



J










J100	109
J101	110
J105	111
J110	112
J115	113
J120	114
J125	115
J135	116
J145	117
J160	118
J170	119
J180	120
J500	108









95 - 120





















T


































T100	105
T101	100
T105	101
T106	102
T110	106
T115	103
T116	104
T120	107



AMG 1.1-1.6	Steel / Stahl / Staal / Acier / Acero / Aço											
T115		M	HM	TiCN	DIN 2174			6HX	3xD	C 2-3		103
T116		M	HM	TiCN	DIN 2174			6HX	3xD	C 2-3	 	104

AMG 1.7-1.8	Hardened steel / Gehärtete-Stähle / Gehard Staal / Acier allié trempé / Aceros aleados endurecidos / Aços Temperados											
T100		M	HM	TiAIN	DIN 371			6H	2xD	C 2-3		105
T110		M	HM	TiAIN	DIN 371			6HX	2xD	C 2-3		106

AMG 3	Cast Iron / Gusseisen / Gietijzer / Fonte / Hierro Fundido / Ferro fundido											
T101		M	HM	TiAIN Top	DIN 371e10 376e12			6HX	2.5xD	C 2-3	 	100
T105		M	HM		DIN 371e10 376e12			6H	2xD	C 2-3	 	101
T106		M	HM		DIN 371e10 376e12			6H	3xD	C 2-3	 	102
T120		MF	HM	TiAIN Top	DIN 374			6HX	2.5xD	C 2-3	 	107

AMG 7	Aluminium Magnesium / Aluminium Magnesium / Aluminium Magnesium / Aluminium Magnésium / Aluminio Magnesio / Alumínio Magnésio											
T101		M	HM	TiAIN Top	DIN 371e10 376e12			6HX	3.5xD	C 2-3	 	100
T105		M	HM		DIN 371e10 376e12			6H	1.5xD	C 2-3	 	101
T106		M	HM		DIN 371e10 376e12			6H	3.5xD	C 2-3	 	102
T115		M	HM	TiCN	DIN 2174			6HX	3xD	C 2-3		103
T116		M	HM	TiCN	DIN 2174			6HX	3.5xD	C 2-3	 	104
T120		MF	HM	TiAIN Top	DIN 374			6HX	3.5xD	C 2-3	 	107
J500		M/MF	HM	TiAIN Top				2xD			108	

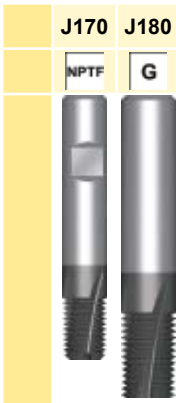
Multi-application High performance / Hochleistungsprodukte für universellen Einsatz /
 High performance voor universeel gebruik / Produits haute performance multi-applications /
 Alto rendimiento para multi-aplicaciones / Alto Rendimento para Multi-aplicações

J100		M	HM	TIGAIN X	D	2xD		DN 6035 HA	109
J101		M	HM	TIGAIN X	D	1.5xD		DN 6035 HA	110
J105		M	HM	TIGAIN X	D	2xD		DN 6035 HA	111
J110		M	HM	TIGAIN X	D	2xD		DN 6035 HA	112
J115		M	HM	TIGAIN X	D	2xD		DN 6035 HA	113
J120		MF	HM	TIGAIN X	D	1.5xD		DN 6035 HA	114
J125		MF	HM	TIGAIN X	D	1.5xD		DN 6035 HA	115
J135		UNC	HM	TIGAIN X	D	2xD		DN 6035 HA	116
J145		UNF	HM	TIGAIN X	D	2xD		DN 6035 HA	117
J160		NPT	HM	TIGAIN X	D			DN 6035 HA	118
J170		NPTF	HM	TIGAIN X	D			DN 6035 HA	119
J180		G	HM	TIGAIN X	D	1.5xD		DN 6035 HA	120



	T101	T105	T106	T115	T116	T100	T110	T120
	M	M	M	M	M	M	M	MF
	HM	HM	HM	HM	HM	HM	HM	HM
	TiAlN Top			TiCN	TiCN	TiAlN	TiAlN	TiAlN Top
	DIN 3714e10 3716a12	DIN 3714e10 3716a12	DIN 3714e10 3716a12	DIN 2174	DIN 2174	DIN 371	DIN 371	DIN 374
	6HX	6H	6H	6HX	6HX	6H	6HX	6HX
	2.5xD	2xD	3xD	3xD	3xD	2xD	2xD	2.5xD
	C 2-3	C 2-3	C 2-3	C 2-3	C 2-3	C 2-3	C 2-3	C 2-3
	M5 - M16	M3 - M12	M5 - M12	M3 - M10	M5 - M12	M3 - M12	M3 - M12	M8 - M14
	NEW 2007.09	NEW 2007.09	NEW 2007.09	NEW 2007.09	NEW 2007.09			NEW 2007.09
	100	101	102	103	104	105	106	107
1.1				■40	■40			
1.2				■40	■40			
1.3				■40	■40			
1.4				■25	■25			
1.5				●20	●20			
1.6								
1.7						■6	●6	
1.8						■4	■4	
2.1				●20	●20			
2.2				●18	●18			
2.3				●18	●18			
2.4				●18	●18			
3.1	■50	■40	■40			●60		■50
3.2	■20	■15	■15			●30		■20
3.3	■25	■25	■25					■25
3.4	■17	■15	■15					■17
4.1								
4.2								
4.3								
5.1				■26	■26			
5.2								
5.3								
6.1				●30	●30			
6.2								
6.3								
6.4	●10					●7		●10
7.1				■55	■55			
7.2				■60	■60			
7.3	●100	■45	■45	●45	●45			●100
7.4	■45	■35	■35			●60		■45
8.1								
8.2	■20	■25	■25			●50		■20
8.3	■13	■15	■15			●30		■13
9.1								
10.1	■20					●25		■20

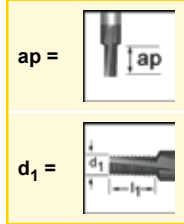
	J500	J100	J101	J105	J110	J115	J120	J125	J135	J145	J160
	M/MF	M	M	M	M	M	MF	MF	UNC	UNF	NPT
	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM
	TiAlN Top	TiAlN X	TiAlN X	TiAlN X	TiAlN X	TiAlN X	TiAlN X	TiAlN X	TiAlN X	TiAlN X	TiAlN X
	DIN 3714e10 3716a12	DIN 3714e10 3716a12	DIN 3714e10 3716a12	DIN 3714e10 3716a12	DIN 3714e10 3716a12	DIN 3714e10 3716a12	DIN 3714e10 3716a12	DIN 3714e10 3716a12	DIN 3714e10 3716a12	DIN 3714e10 3716a12	DIN 3714e10 3716a12
	2xD	2xD	1.5xD	2xD	2xD	2xD	1.5xD	1.5xD	2xD	2xD	
	DIN 8535 HA	DIN 8535 HA	DIN 8535 HA	DIN 8535 HA	DIN 8535 HA	DIN 8535 HA	DIN 8535 HA	DIN 8535 HB	DIN 8535 HB	DIN 8535 HB	DIN 8535 HB
	5.0 - 16.0	4.0 - 16.0	6.0 - 16.0	8.0 - 16.0	6.0 - 16.0	6.0 - 16.0	6.0 - 24.0	10.0 - 24.0	1/4 - 3/4	1/4 - 3/4	1/8 - 1"
	NEW 2007.04				NEW 2007.04	NEW 2007.04					
	108	109	110	111	112	113	114	115	116	117	118
1.1		■170B		■170B	■175B	■175B	■170B	■170B	■170B	■170B	■170B
1.2		■170B		■170B	■175B	■175B	■170B	■170B	■170B	■170B	■170B
1.3		■140B		■140B	■145B	■145B	■140B	■140B	■140B	■140B	■140B
1.4		■130B		■130B	■135B	■135B	■130B	■130B	■130B	■130B	■130B
1.5		■100B		■100B	■105B	■105B	■100B	■100B	■100B	■100B	■100B
1.6		■80B		■80B	■85B	■85B	■80B	■80B	■80B	■80B	■80B
1.7		●50A	■50A	●50A	●50A	●50A	●50A	●50A	●50A	●50A	●50A
1.8		●30A	■30A	●30A	●30A	●30A	●30A	●30A	●30A	●30A	●30A
2.1		●50A		■50A	●50A	●50A	●50A	●50A	●50A	●50A	●50A
2.2		●40A		■40A	●40A	●40A	●40A	●40A	●40A	●40A	●40A
2.3		●30A		■30A	●30A	●30A	●30A	●30A	●30A	●30A	●30A
2.4		●25A		■25A	●25A	●25A	●25A	●25A	●25A	●25A	●25A
3.1		■150B		■150B	■155B	■155B	■150B	■150B	■150B	■150B	■150B
3.2		■130B		■130B	■135B	■135B	■130B	■130B	■130B	■130B	■130B
3.3		■150B		■150B	■155B	■155B	■150B	■150B	■150B	■150B	■150B
3.4		■120B		■120B	■125B	■125B	■120B	■120B	■120B	■120B	■120B
4.1		■170B		■170B	■175B	■175B	■170B	■170B	■170B	■170B	■170B
4.2		■80B		■80B	■80B	■80B	■80B	■80B	■80B	■80B	■80B
4.3		■50B		■50B	■50B	■50B	■50B	■50B	■50B	■50B	■50B
5.1		●250B		■250B	●250B	●255B	●250B	●250B	●250B	●250B	●250B
5.2		●40A		■40A	●40A	●40A	●40A	●40A	●40A	●40A	●40A
5.3		●25A	●25A	●25A	●25A	●25A	●25A	●25A	●25A	●25A	●25A
6.1	●200H	■400B		■400B	■405B	■405B	■400B	■400B	■400B	■400B	■400B
6.2		■400B		■400B	■405B	■405B	■400B	■400B	■400B	■400B	■400B
6.3		■400B		■400B	■405B	■405B	■400B	■400B	■400B	■400B	■400B
6.4		■60A		■60A	■60A	■60A	■60A	■60A	■60A	■60A	■60A
7.1	■270H	■800C		■800C	■805C	■805C	■800C	■800C	■800C	■800C	■800C
7.2	■270H	■800C		■800C	■805C	■805C	■800C	■800C	■800C	■800C	■800C
7.3	■240H	■700C		■700C	■705C	■705C	■700C	■700C	■700C	■700C	■700C
7.4	■240H	■340B	■340B	■340B	■345B	■345B	■340B	■340B	■340B	■340B	■340B
8.1		■340C		■340C	■345C	■345C	■340C	■340C	■340C	■340C	■340C
8.2		■210C		■210C	■215C	■215C	■210C	■210C	■210C	■210C	■210C
8.3		■180C		■180C	■185C	■185C	■180C	■180C	■180C	■180C	■180C
9.1											
10.1		●200C	■200C	●200C	●210C	●205C	●200C	●200C	●200C	●200C	●200C



	HM	HM
	TAIN	TAIN
	D	D
		1.5xD
	TFP	TFP
	SDS-MAX	SDS-MAX
	1/8 - 1"	1/8 - 1"

	119	120
1.1	■170B	■170B
1.2	■170B	■170B
1.3	■140B	■140B
1.4	■130B	■130B
1.5	■100B	■100B
1.6	■80B	■80B
1.7	●50A	●50A
1.8	●30A	●30A
2.1	●50A	●50A
2.2	●40A	●40A
2.3	●30A	●30A
2.4	●25A	●25A
3.1	■150B	■150B
3.2	■130B	■130B
3.3	■150B	■150B
3.4	■120B	■120B
4.1	■170B	■170B
4.2	■80B	■80B
4.3	■50B	■50B
5.1	●250B	●250B
5.2	●40A	●40A
5.3	●25A	●25A
6.1	■400B	■400B
6.2	■400B	■400B
6.3	■400B	■400B
6.4	■60A	■60A
7.1	■800C	■800C
7.2	■800C	■800C
7.3	■700C	■700C
7.4	■340B	■340B
8.1	■340C	■340C
8.2	■210C	■210C
8.3	■180C	■180C
9.1		
10.1	●200C	●200C

		M					
		A		B		C	
Ø		ap= 1 x d ₁	ap= 2 x d ₁	ap= 1 x d ₁	ap= 2 x d ₁	ap= 1 x d ₁	ap= 2 x d ₁
3,2		0,010	0,005	0,011	0,006	0,017	0,012
4,1		0,009	0,007	0,012	0,008	0,014	0,011
4,8		0,012	0,009	0,015	0,010	0,017	0,014
6,5		0,017	0,014	0,027	0,017	0,030	0,025
8,2		0,021	0,018	0,034	0,029	0,040	0,033
9,9		0,024	0,020	0,039	0,024	0,048	0,032
11,6		0,031	0,025	0,050	0,031	0,059	0,035
13,6		0,039	0,032	0,062	0,051	0,071	0,048
16		0,061	0,033	0,064	0,036	0,066	0,033
19		0,085	0,044	0,089	0,048	0,095	0,044



		MF					
		A		B		C	
d ₁	P	ap= 3/4 x d ₁	ap= 1,5 x d ₁	ap= 3/4 x d ₁	ap= 1,5 x d ₁	ap= 3/4 x d ₁	ap= 1,5 x d ₁
4,8	0,5	0,017	0,014	0,022	0,018	0,025	0,021
6	0,75	0,023	0,018	0,033	0,027	0,037	0,030
6	1	0,020	0,016	0,029	0,023	0,032	0,026
8	1	0,025	0,020	0,041	0,033	0,045	0,037
10	1	0,034	0,028	0,055	0,045	0,069	0,056
10	1,5	0,028	0,023	0,045	0,037	0,056	0,046
12	1	0,048	0,039	0,077	0,065	0,077	0,075
12	1,5	0,040	0,032	0,065	0,053	0,076	0,062
14	1	0,060	0,049	0,084	0,079	0,084	0,084
14	1,5	0,049	0,040	0,079	0,064	0,084	0,074
16	2	0,050	0,041	0,082	0,066	0,089	0,077
20	2	0,067	0,055	0,100	0,093	0,100	0,100

		M			
		MF		J500	
				H	
Ø		ap= 1 x d ₁	ap= 2 x d ₁		
4,1		0,035	0,031		
4,8		0,035	0,032		
6,5		0,045	0,040		
8,2		0,056	0,045		
9,9		0,067	0,062		
13,6		0,170	0,157		

		UNC					
		A		B		C	
d ₁	P	ap= 1 x d ₁	ap= 2 x d ₁	ap= 1 x d ₁	ap= 2 x d ₁	ap= 1 x d ₁	ap= 2 x d ₁
4,8	20	0,003	0,003	0,012	0,006	0,029	0,014
5,5	18	0,004	0,003	0,017	0,009	0,041	0,023
7,5	16	0,008	0,005	0,029	0,016	0,056	0,043
8	14	0,008	0,006	0,031	0,018	0,060	0,049
10	13	0,009	0,007	0,040	0,032	0,071	0,071
10	12	0,008	0,006	0,038	0,029	0,071	0,069
12	11	0,009	0,007	0,036	0,026	0,077	0,077
14	10	0,010	0,008	0,060	0,043	0,084	0,084

		UNF					
		A		B		C	
d ₁		ap= 1 x d ₁	ap= 2 x d ₁	ap= 1 x d ₁	ap= 2 x d ₁	ap= 1 x d ₁	ap= 2 x d ₁
4,8		0,004	0,003	0,016	0,008	0,034	0,021
6		0,006	0,004	0,028	0,016	0,055	0,045
8		0,013	0,007	0,037	0,025	0,063	0,058
10		0,022	0,011	0,046	0,038	0,071	0,071
14		0,036	0,018	0,075	0,061	0,084	0,084

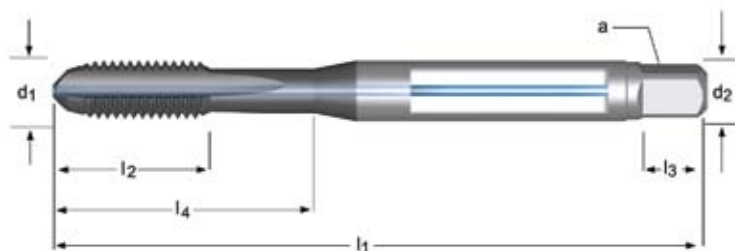
		G					
		A		B		C	
d ₁		ap= 1 x d ₁	ap= 2 x d ₁	ap= 1 x d ₁	ap= 2 x d ₁	ap= 1 x d ₁	ap= 2 x d ₁
3,2		0,010	0,005	0,011	0,006	0,017	0,012
4,1		0,009	0,007	0,012	0,008	0,014	0,011
4,8		0,012	0,009	0,015	0,010	0,017	0,014
6,5		0,017	0,014	0,027	0,017	0,030	0,025
16		0,061	0,033	0,064	0,036	0,066	0,033
19		0,085	0,044	0,089	0,048	0,095	0,044

		NPT		NPTF			
d ₁		Ap=	A	B	C		
7,9		Standard	0,026	0,044	0,069		
9,9		Standard	0,029	0,046	0,070		
15,9		Standard	0,053	0,087	0,089		
19,9		Standard	0,064	0,1	0,1		

- Machine Tap
- Maschinen-Gewindebohrer
- Machinetappen
- Tarauds machine
- Machos de máquina
- Macho de Máquina

NEW

2007.09



T101



M	P	l_1	l_2	d_2	a	l_3	z		l_4	e-Code
mm	mm	mm	mm	mm	mm	mm		mm	mm	
5	0.80	70	16	6	4.9	8	4	4.3	30	T101M5 ¹⁾
6	1.00	80	19	6	4.9	8	4	5.1	30	T101M6
8	1.25	90	22	8	6.2	9	4	6.9	35	T101M8
10	1.50	100	24	10	8.0	11	4	8.7	39	T101M10
12	1.75	110	23	9	7.0	10	4	10.4		T101M12
16	2.00	110	25	12	9.0	12	4	14.25		T101M16

¹⁾ Without neck / ohne "Hals" / zonder verjoning / sans détalonnage / Sin Desahogo / Without neck

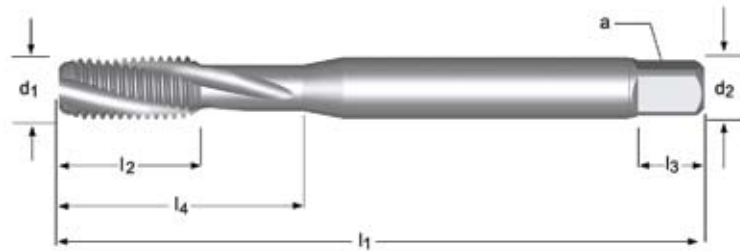
T105

DORMER

- Machine Tap
- Maschinen-Gewindebohrer
- Machinetappen
- Tarauds machine
- Machos de máquina
- Macho de Máquina

NEW

2007.09



T105

M
HM
DIN 371≤10 376≥12
6H
2xD
C 2-3
15°

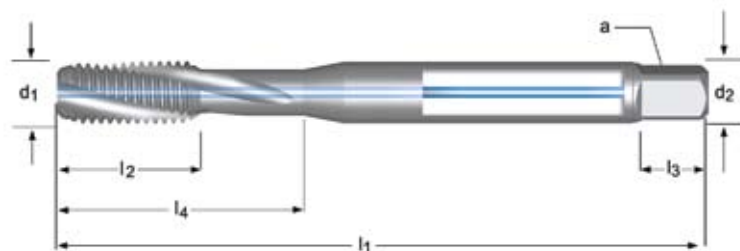
M	P	l ₁	l ₂	d ₂	□	l ₃	z	↔	l ₄	e-Code
	mm	mm	mm	mm	a	mm		mm	mm	
3	0.50	56	10	3.5	2.7	6	3	2.6	30	T105M3 ¹⁾
4	0.70	63	13	4.5	3.4	6	3	3.4	30	T105M4 ¹⁾
5	0.80	70	16	6	4.9	8	3	4.3	30	T105M5 ¹⁾
6	1.00	80	19	6	4.9	8	3	5.1	30	T105M6
8	1.25	90	22	8	6.2	9	3	6.9	35	T105M8
10	1.50	100	24	10	8.0	11	3	8.7	39	T105M10
12	1.75	110	23	9	7.0	10	3	10.4	39	T105M12

¹⁾ Without neck / ohne "Hals" / zonder verjoning / sans détalonnage / Sin Desahogo / Without neck

- Machine Tap
- Maschinen-Gewindebohrer
- Machinetappen
- Tarauds machine
- Machos de máquina
- Macho de Máquina

NEW

2007.09



T106



M	P	l_1	l_2	d_2	a	l_3	z	l_4	e-Code
mm	mm	mm	mm	mm	mm	mm		mm	
5	0.80	70	16	6	4.9	8	3	4.3	T106M5 ¹⁾
6	1.00	80	19	6	4.9	8	3	5.1	T106M6
8	1.25	90	22	8	6.2	9	3	6.9	T106M8
10	1.50	100	24	10	8.0	11	3	8.7	T106M10
12	1.75	110	23	9	7.0	10	3	10.4	T106M12

¹⁾ Without neck / ohne "Hals" / zonder verjoning / sans détalonnage / Sin Desahogo / Without neck

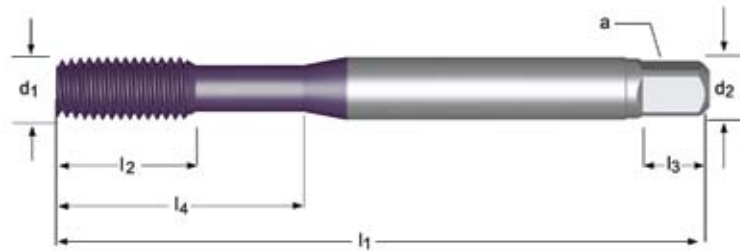
T115

DORMER

- Machine Tap
- Maschinen-Gewindebohrer
- Machinetappen
- Tarauds machine
- Machos de máquina
- Macho de Máquina

NEW

2007.09



T115



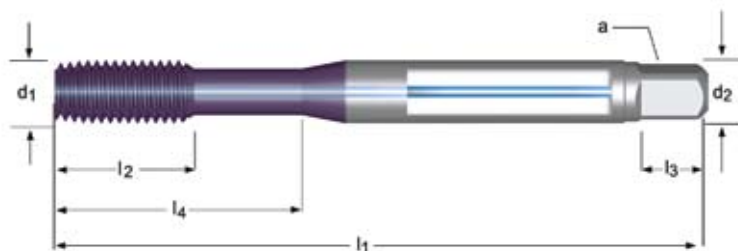
M	P	l_1	l_2	d_2	a	l_3		l_4	e-Code
	mm	mm	mm	mm	mm	mm	mm	mm	
3	0.50	56	10	3.5	2.7	6	2.8	30	T115M3 ¹⁾
4	0.70	63	13	4.5	3.4	6	3.7	30	T115M4 ¹⁾
5	0.80	70	16	6	4.9	8	4.6	30	T115M5 ¹⁾
6	1.00	80	19	6	4.9	8	5.5	30	T115M6
8	1.25	90	22	8	6.2	9	7.4	35	T115M8
10	1.50	100	24	10	8.0	11	9.3	39	T115M10

¹⁾ Without neck / ohne "Hals" / zonder verjoning / sans détalonnage / Sin Desahogo / Without neck

- Machine Tap
- Maschinen-Gewindebohrer
- Machinetappen
- Tarauds machine
- Machos de máquina
- Macho de Máquina

NEW

2007.09



T116

M
HM
TiCN
DIN 2174

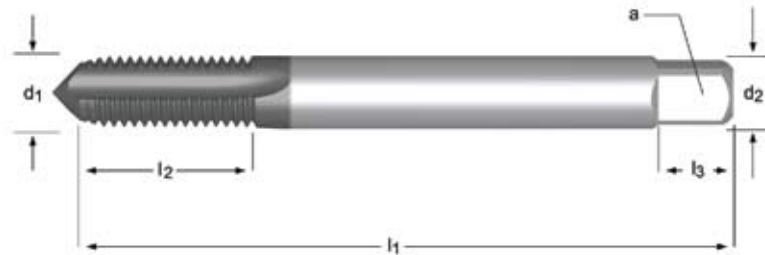
6HX
3xD
C 2-3

M	P mm	l_1 mm	l_2 mm	d_2 Ø mm	a mm	l_3 mm		l_4 mm	e-Code
5	0.80	70	16	6	4.9	8	4.6	30	T116M5
6	1.00	80	19	6	4.9	8	5.5	35	T116M6
8	1.25	90	22	8	6.2	9	7.4	39	T116M8
10	1.50	100	24	10	8.0	11	9.3	39	T116M10
12	1.75	110	23	9	7.0	10	11.2	39	T116M12

T100



- Machine Tap
- Maschinen-Gewindebohrer
- Machinetappen
- Tarauds machine
- Machos de máquina
- Macho de Máquina



T100

Without neck / Without neck / Without neck / Without neck / Without neck / Without neck

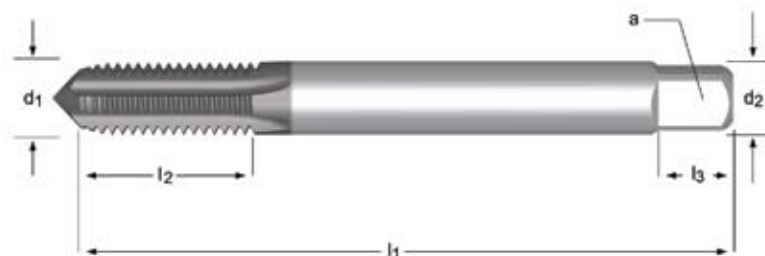


- 1.7
- 1.8 3.1 3.2 6.4 7.4 8.2 8.3 10.1

M	P mm	l ₁ mm	l ₂ mm	d ₂ ∅ mm	a mm	l ₃ mm	z	↔	e-Code
3	0.50	56	10	3.5	2.7	6	3	2.6	T100M3
4	0.70	63	13	4.5	3.4	6	3	3.4	T100M4
5	0.80	70	16	6	4.9	8	3	4.3	T100M5
6	1.00	80	20	6	4.9	8	3	5.1	T100M6
8	1.25	90	25	8	6.2	9	3	6.9	T100M8
10	1.50	100	30	10	8.0	11	3	8.7	T100M10
12	1.75	110	36	12	9.0	12	3	10.4	T100M12



- Machine Tap
- Maschinen-Gewindebohrer
- Machinetappen
- Tarauds machine
- Machos de máquina
- Macho de Máquina



T110

Without neck / Without neck / Without neck / Without neck / Without neck



- 1.8
- 1.7

M	P mm	l ₁ mm	l ₂ mm	d ₂ ∅ mm	∟ a mm	l ₃ mm	z	↔	e-Code
3	0.50	56	10	3.5	2.7	6	4	2.6	T110M3
4	0.70	63	13	4.5	3.4	6	5	3.4	T110M4
5	0.80	70	16	6	4.9	8	5	4.3	T110M5
6	1.00	80	20	6	4.9	8	5	5.1	T110M6
8	1.25	90	25	8	6.2	9	5	6.9	T110M8
10	1.50	100	30	10	8.0	11	5	8.7	T110M10
12	1.75	110	36	12	9.0	12	6	10.4	T110M12

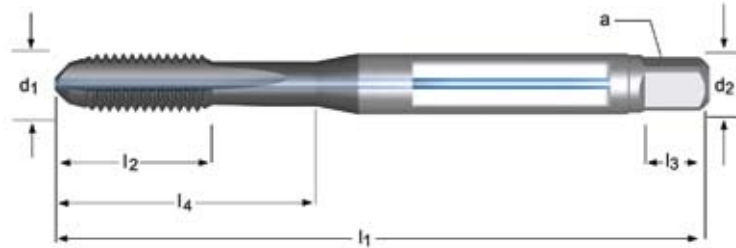
T120



- Machine Tap
- Maschinen-Gewindebohrer
- Machinetappen
- Tarauds machine
- Machos de máquina
- Macho de Máquina

NEW

2007.09



T120



- 2.1 2.2 2.3
- 1.5 1.6

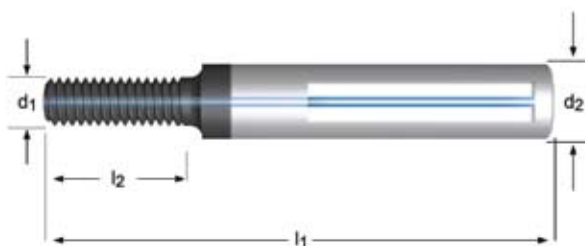
MF	P	l_1	l_2	d_2 Ø	a	l_3	z		l_4	e-Code
	mm	mm	mm	mm	mm	mm		mm	mm	
8	1.00	90	12	6.0	4.9	8	4	7		T120M8X1.0
10	1.00	90	14	7.0	5.5	8	4	9		T120M10X1.0
12	1.50	100	20	9.0	7.0	10	4	10.5		T120M12X1.5
14	1.50	100	21	11.0	9.0	12	4	12.5		T120M14X1.5



- Orbital Thread Former
- Orbital-Gewindeformer
- Circulaire Draadvormer
- Fraise à fileter orbitale par déformation
- Fresa de Interpolación para Roscar por Deformación
- Fresa de roscar orbital por deformação

NEW

2007.04



J500



- 7.1 7.2 7.3 7.4
- 6.1

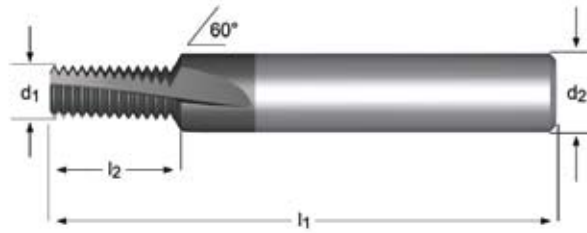
≥	P	d ₁ Ø	l ₂	l ₁	d ₂ Ø	z	e-Code
	mm	mm	mm	mm	mm		
M5	0.8	4.1	10	54	6	6	J5004.1X.8
M6	1	4.8	13	54	6	7	J5004.8X1.0
M8	1	6.5	18	58	10	8	J5006.5X1.0 ¹⁾
M8	1.25	6.5	18	58	10	8	J5006.5X1.25
M10	1	8.2	21	72	12	10	J5008.2X1.0 ¹⁾
M10	1.5	8.2	21	72	12	10	J5008.2X1.5
M12	1.5	9.9	24	83	12	10	J5009.9X1.5 ¹⁾
M12	1.75	9.9	24	83	12	10	J5009.9X1.75
M16	1.5	13.6	33	92	16	12	J5013.6X1.5 ¹⁾
M16	2	13.6	34	92	16	12	J5013.6X2.0

¹⁾ MF / MF / MF / MF / MF / MF

J100



- Thread Milling Cutter
- Gewindefräser
- Draadfrezen
- Fraise à fileter
- Fresas de rosca
- Fresa p/ Roscar



J100

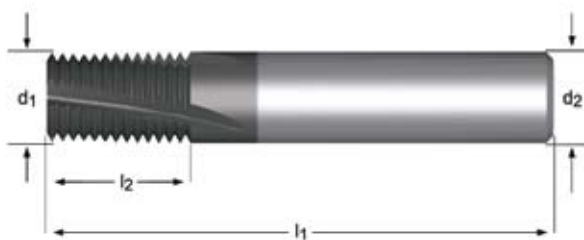


- 1.1 1.2 1.3 1.4 1.5 1.6 3.1 3.2 3.3 3.4 4.1 4.2 4.3 6.1 6.2 6.3 6.4 7.1 7.2 7.3
7.4 8.1 8.2 8.3
- 1.7 1.8 2.1 2.2 2.3 2.4 5.1 5.2 5.3 10.1

≥	P mm	d ₁ Ø mm	l ₂ (ap) mm	l ₁ mm	d ₂ Ø mm	z e-Code
M4	0.7	3.2	8.4	57	6	3 J1003.2X.7
M5	0.8	4.1	11.2	57	6	3 J1004.1X.8
M6	1	4.8	13	63	8	3 J1004.8X1.0
M8	1.25	6.5	17.5	72	10	3 J1006.5X1.25
M10	1.5	8.2	21	83	12	3 J1008.2X1.5
M12	1.75	9.9	26.25	83	14	4 J1009.9X1.75
M14	2	11.6	30	92	16	4 J10011.6X2.0
M16	2	13.6	34	92	18	4 J10013.6X2.0



- Thread Milling Cutter
- Gewindefräser
- Draadfrezen
- Fraise à fileter
- Fresas de roscar
- Fresa p/ Roscar



J101



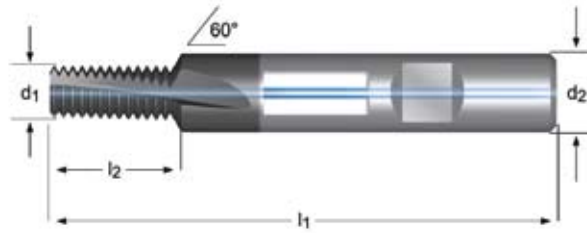
- 1.7 1.8 7.4 8.2 8.3 10.1
- 5.3

\geq	P mm	d_1 \varnothing mm	l_2 mm	l_1 mm	d_2 \varnothing mm	z e-Code
M6	1	4.5	10	57	6	4 J1014.5X1.0
M8	1.25	6	12.5	57	6	5 J1016.0X1.25
M10	1.5	8	16.5	63	8	5 J1018.0X1.50
M12	1.75	9	19.25	72	10	5 J1019.0X1.75
M16	2	12	26	83	12	5 J10110.0X2.0

J105



- Thread Milling Cutter
- Gewindefräser
- Draadfrezen
- Fraise à fileter
- Fresas de roscar
- Fresa p/ Roscar



J105



- 1.1 1.2 1.3 1.4 1.5 1.6 2.1 2.2 2.3 2.4 3.1 3.2 3.3 3.4 4.1 4.2 4.3 5.1 5.2 6.1
6.2 6.3 6.4 7.1 7.2 7.3 7.4 8.1 8.2 8.3
- 1.7 1.8 5.3 10.1

≥	P mm	d ₁ Ø mm	l ₂ mm	l ₁ mm	d ₂ Ø mm	z e-Code
M8	1.25	6.5	17.5	75	10	3 J1056.5X1.25
M10	1.5	8.2	21	83	12	3 J1058.2X1.50
M12	1.75	9.9	26.25	83	14	4 J1059.9X1.75
M14	2	11.6	30	92	16	4 J10511.6X2.0
M16	2	13.6	34	92	18	4 J10513.6X2.0



• Thread Milling Cutter

• Gewindefräser

• Draadfrezen

• Fraise à fileter

• Fresas de roscar

• Fresa p/ Roscar

NEW

2007.04



J110



- 1.1 1.2 1.3 1.4 1.5 1.6 3.1 3.2 3.3 3.4 4.1 4.2 4.3 6.1 6.2 6.3 6.4 7.1 7.2 7.3
- 7.4 8.1 8.2 8.3
- 1.7 1.8 2.1 2.2 2.3 2.4 5.1 5.2 5.3 10.1

≥	P mm	d ₁ Ø mm	l ₂ mm	l ₁ mm	d ₂ Ø mm	z e-Code
M6	1	4.5	13	57	6	3 J1104.5X1.0
M8	1.25	6	17.5	65	6	3 J1106.0X1.25
M10	1.5	7.5	21	72	8	3 J1107.5X1.5
M12	1.75	9.5	26.25	80	10	3 J1109.5X1.75
M14	2	10	30	83	10	4 J11010.0X2.0
M16	2	12	34	92	12	4 J11012.0X2.0

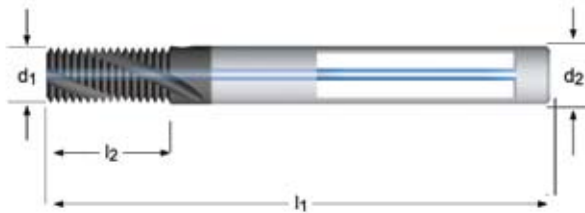
J115

DORMER

- Thread Milling Cutter
- Gewindefräser
- Draadfrezzen
- Fraise à fileter
- Fresas de roscar
- Fresa p/ Roscar

NEW

2007.04



J115



- 1.1 1.2 1.3 1.4 1.5 1.6 3.1 3.2 3.3 3.4 4.1 4.2 4.3 6.1 6.2 6.3 6.4 7.1 7.2 7.3
7.4 8.1 8.2 8.3
- 1.7 1.8 2.1 2.2 2.3 2.4 5.1 5.2 5.3 10.1

≥	P mm	d ₁ Ø mm	l ₂ mm	l ₁ mm	d ₂ Ø mm	z e-Code
M6	1	4.5	13	57	6	3 J1154.5X1.0
M8	1.25	6	17.5	65	6	3 J1156.0X1.25
M10	1.5	7.5	21	72	8	3 J1157.5X1.5
M12	1.75	9.5	26.25	80	10	3 J1159.5X1.75
M14	2	10	30	83	10	4 J11510.0X2.0
M16	2	12	34	92	12	4 J11512.0X2.0

• Thread Milling Cutter

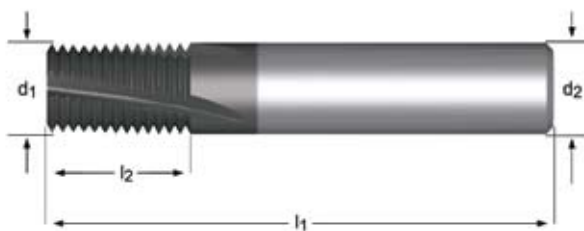
• Gewindefräser

• Draadfrezen

• Fraise à fileter

• Fresas de roscar

• Fresa p/ Roscar



J120



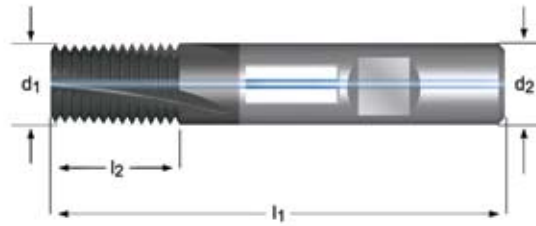
- 1.1 1.2 1.3 1.4 1.5 1.6 3.1 3.2 3.3 3.4 4.1 4.2 4.3 6.1 6.2 6.3 6.4 7.1 7.2 7.3
7.4 8.1 8.2 8.3
- 1.7 1.8 2.1 2.2 2.3 2.4 5.1 5.2 5.3 10.1

≥	P	d_1 Ø	l_2	l_1	d_2 Ø	z	e-Code	≥	P	d_1 Ø	l_2	l_1	d_2 Ø	z	e-Code
	mm	mm	mm	mm	mm				mm	mm	mm	mm	mm		
M6x0.5	0.5	4.8	10	57	6	3	J1204.8X.5	M16x1	1	14	26	83	14	5	J12014.0X1.0
M8x0.75	0.75	6	12	57	6	3	J1206.0X.75	M16x1.5	1.5	14	26	83	14	5	J12014.0X1.5
M8x1	1	6	12	57	6	3	J1206.0X1.0	M20x2	2	16	30	92	16	5	J12016.0X2.0
M10x1	1	8	16	63	8	4	J1208.0X1.0	M20x2.5	2.5	16	42.5	105	16	5	J12016.0X2.5
M12x1	1	10	20	72	10	4	J12010.0X1.0	M24x2	2	20	35	104	20	5	J12020.0X2.0
M12x1.5	1.5	10	20	72	10	4	J12010.0X1.5	M24x3	3	19	50	125	20	5	J12019.0X3.0
M14x1	1	12	22	83	12	4	J12012.0X1.0								
M14x1.5	1.5	12	22	83	12	4	J12012.0X1.5								

J125



- Thread Milling Cutter
- Gewindefräser
- Draadfrezen
- Fraise à fileter
- Fresas de roscar
- Fresa p/ Roscar



J125



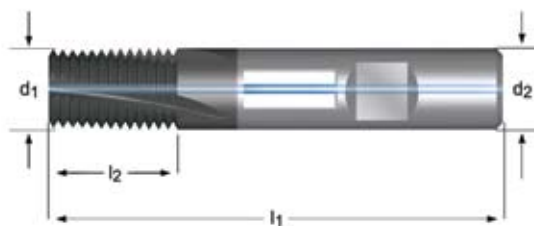
- 1.1 1.2 1.3 1.4 1.5 1.6 2.1 2.2 2.3 2.4 3.1 3.2 3.3 3.4 4.1 4.2 4.3 5.1 5.2 5.3
- 6.1 6.2 6.3 6.4 7.1 7.2 7.3 7.4 8.1 8.2 8.3
- 1.7 1.8 10.1

≥	P	d ₁ Ø	l ₂	l ₁	d ₂ Ø	z	e-Code
M10x1	1	8	16	63	8	4	J1258.0X1.0
M12x1	1	10	20	72	10	4	J12510.0X1.0
M12x1.5	1.5	10	20	72	10	4	J12510.0X1.5
M14x1	1	12	22	83	12	4	J12512.0X1.0
M14x1.5	1.5	12	22	83	12	4	J12512.0X1.5
M16x1	1	14	26	83	14	5	J12514.0X1.0

≥	P	d ₁ Ø	l ₂	l ₁	d ₂ Ø	z	e-Code
M16x1.5	1.5	14	26	83	14	5	J12514.0X1.5
M18x1.5	1.5	16	30	92	16	5	J12516.0X1.5
M24x2	2	20	35	104	20	5	J12520.0X2.0



- Thread Milling Cutter
- Gewindefräser
- Draadfrezen
- Fraise à fileter
- Fresas de roscar
- Fresa p/ Roscar



J135



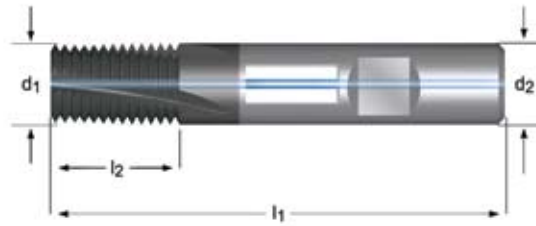
- 1.1 1.2 1.3 1.4 1.5 1.6 2.1 2.2 2.3 2.4 3.1 3.2 3.3 3.4 4.1 4.2 4.3 5.1 5.2
- 6.1 6.2 6.3 6.4 7.1 7.2 7.3 7.4 8.1 8.2 8.3
- 1.7 1.8 5.3 10.1

\geq	TPI	d_1 \emptyset mm	l_2 mm	l_1 mm	d_2 \emptyset mm	z e-Code
1/4	20	4.8	14	57	6	3 J1354.8-20
5/16	18	5.5	14	57	6	3 J1355.5-18
3/8	16	7.5	19	63	8	4 J1357.5-16
7/16	14	8	19	63	8	4 J1358.0-14
1/2	13	10	22	72	10	4 J13510.0-13
9/16	12	10	22	72	10	4 J13510.0-12
5/8	11	12	26	83	12	4 J13512.0-11
3/4	10	14	32	83	14	5 J13514.0-10

J145



- Thread Milling Cutter
- Gewindefräser
- Draadfrezen
- Fraise à fileter
- Fresas de roscar
- Fresa p/ Roscar



J145



- 1.1 1.2 1.3 1.4 1.5 1.6 2.1 2.2 2.3 2.4 3.1 3.2 3.3 3.4 4.1 4.2 4.3 5.1 5.2
6.1 6.2 6.3 6.4 7.1 7.2 7.3 7.4 8.1 8.2 8.3
- 1.7 1.8 5.3 10.1

≥	TPI	d ₁ Ø mm	l ₂ mm	l ₁ mm	d ₂ Ø mm	z e-Code
1/4	28	4.8	14	57	6	3 J1454.8-28
5/16. 3/8	24	6	14	57	6	3 J1456.0-24
7/16. 1/2	20	8	19	63	8	4 J1458.0-20
9/16. 5/8	18	10	22	72	10	4 J14510.0-18
3/4	16	14	32	83	14	5 J14514.0-16



• Thread Milling Cutter

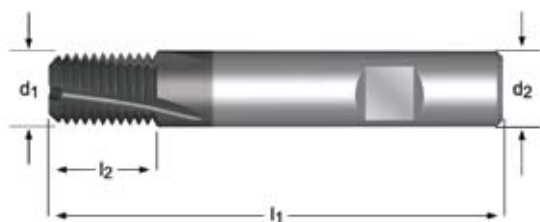
• Gewindefräser

• Draadfrezen

• Fraise à fileter

• Fresas de roscar

• Fresa p/ Roscar



J160

NPT

HM

TiAlN
X

D



DIN
6535 HB

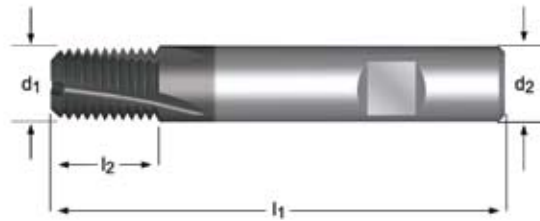
- 1.1 1.2 1.3 1.4 1.5 1.6 3.1 3.2 3.3 3.4 4.1 4.2 4.3 6.1 6.2 6.3 6.4 7.1 7.2 7.3
- 7.4 8.1 8.2 8.3
- 1.7 1.8 2.1 2.2 2.3 2.4 5.1 5.2 5.3 10.1

		d_1 Ø	l_2	l_1	d_2 Ø	z e-Code
≥	TPI	mm	mm	mm	mm	
1/8	27	7.9	9.88	58	8	3 J1607.9-27
1/4. 3/8	18	9.9	14.82	66	10	3 J1609.9-18
1/2. 3/4	14	15.9	19.05	82	16	4 J16015.9-14
1-2	11.5	19.9	23.19	92	20	5 J16019.9-11.5

J170



- Thread Milling Cutter
- Gewindefräser
- Draadfrezen
- Fraise à fileter
- Fresas de roscar
- Fresa p/ Roscar



J170

NPTF

HM

TiAlN
X

D



DIN
6535 HB

- 1.1 1.2 1.3 1.4 1.5 1.6 3.1 3.2 3.3 3.4 4.1 4.2 4.3 6.1 6.2 6.3 6.4 7.1 7.2 7.3
7.4 8.1 8.2 8.3
- 1.7 1.8 2.1 2.2 2.3 2.4 5.1 5.2 5.3 10.1

≥	TPI	d ₁ Ø mm	l ₂ mm	l ₁ mm	d ₂ Ø mm	z e-Code
1/8	27	7.9	9.88	58	8	3 J1707.9-27
1/4. 3/8	18	9.9	14.82	66	10	3 J1709.9-18
1/2. 3/4	14	15.9	19.05	82	16	4 J17015.9-14
1-2	11.5	19.9	23.19	92	20	5 J17019.9-11.5

• Thread Milling Cutter

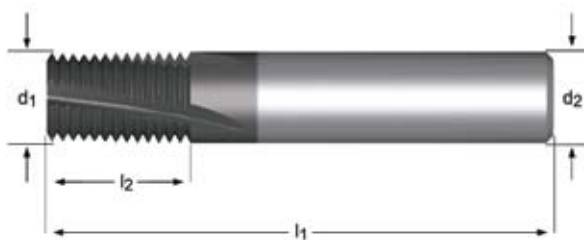
• Gewindefräser

• Draadfrezen

• Fraise à fileter

• Fresas de roscar

• Fresa p/ Roscar



J180



- 1.1 1.2 1.3 1.4 1.5 1.6 3.1 3.2 3.3 3.4 4.1 4.2 4.3 6.1 6.2 6.3 6.4 7.1 7.2 7.3
7.4 8.1 8.2 8.3
- 1.7 1.8 2.1 2.2 2.3 2.4 5.1 5.2 5.3 10.1

G(BSP)	TPI	d_1 Ø mm	l_2 mm	l_1 mm	d_2 Ø mm	z	e-Code	G(BSP)	TPI	d_1 Ø mm	l_2 mm	l_1 mm	d_2 Ø mm	z	e-Code
G1/8	28	6	15	57	6	3	J1806.0-28	G5/8, 3/4, 7/8	14	20	35	104	20	5	J18020.0-14
G1/4	19	10	20	72	10	4	J18010.0-19	G1-3	11	25	45	121	25	6	J18025.0-11
G3/8	19	14	26	83	14	5	J18014.0-19								
G1/2, 5/8	14	16	30	92	16	5	J18016.0-14								