

2301

HSS DIN 352/2181

M-MF
DIN 13



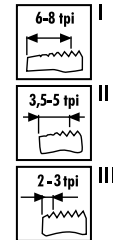
Tol.
6H

P				M		K			N				S		H		
<800	<1.000	<1.200	<1.400	<950	<1.200	<500	<800	<1.400	Al	Cu	Mg/Zn	Plastic	Ni	Ti	50 HRC	55 HRC	60 HRC
•									•	•							

Vc (m/min). • Optima / Optimun ○ Alternativo / Alternative

Macho 3°
Taraud 3°
Tap 3°
Gewindebohrer 3°

$$PVP = \epsilon/3 \begin{cases} M (\epsilon/3) \\ MF (\epsilon/2) \end{cases}$$



Ø	P	Nº	L mm	I mm	mm	d mm
M1,0	0,25	3	32	5,5	2,10	2,5
M1,1	0,25	3	32	5,5	2,10	2,5
M1,2	0,25	3	32	5,5	2,10	2,5
M1,4	0,30	3	32	7	2,10	2,5
M1,6	0,35	3	32	8	2,10	2,5
M1,7	0,35	3	32	8	2,10	2,5
M1,8	0,35	3	32	8	2,10	2,5
M2,0	0,40	3	36	8	2,10	2,8
M2,2	0,45	3	36	9	2,10	2,8
M2,3	0,40	3	36	9	2,10	2,8
M2,5	0,45	3	40	9	2,10	2,8
M2,6	0,45	3	40	9	2,10	2,8
M3,0	0,50	3	40	11	2,70	3,5
M3,0	0,60	2	40	11	2,70	3,5
M3,5	0,60	2	45	12	3,00	4,0
M3,5	0,75	2	45	14	3,40	4,5
M4,0	0,50	2	45	13	3,40	4,5
M4,0	0,70	3	45	14	3,40	4,5
M4,5	0,75	2	50	16	4,90	6,0
M5,0	0,50	2	50	12	4,90	6,0
M5,0	0,75	2	50	12	4,90	6,0
M5,0	0,80	3	50	16	4,90	6,0
M5,0	1,00	3	50	14	4,90	6,0
M5,5	0,90	2	50	18	4,90	6,0
M6,0	0,50	2	56	14	4,90	6,0
M6,0	0,75	2	56	14	4,90	6,0
M6,0	0,90	2	56	19	4,90	6,0
M6,0	1,00	3	56	19	4,90	6,0
M7,0	0,75	2	56	14	4,90	6,0
M7,0	1,00	3	56	19	4,90	6,0
M8,0	0,50	2	56	18	4,90	6,0
M8,0	0,75	2	56	18	4,90	6,0
M8,0	1,00	2	63	22	4,90	6,0
M8,0	1,25	3	63	22	4,90	6,0
M9,0	1,00	2	63	22	5,50	7,0
M9,0	1,25	3	63	22	5,50	7,0
M10,0	0,50	2	63	18	5,50	7,0
M10,0	0,75	2	63	20	5,50	7,0
M10,0	1,00	2	63	20	5,50	7,0
M10,0	1,25	2	70	24	5,50	7,0
M10,0	1,50	3	70	24	5,50	7,0
M11,0	0,75	2	63	20	6,20	8,0
M11,0	1,00	2	63	20	6,20	8,0
M11,0	1,25	2	70	22	6,20	8,0
M11,0	1,50	3	70	24	6,20	8,0

Ø	P	Nº	L mm	I mm	mm	d mm
M12,0	0,75	2	70	22	7,00	9,0
M12,0	1,00	2	70	22	7,00	9,0
M12,0	1,25	2	70	22	7,00	9,0
M12,0	1,50	2	70	22	7,00	9,0
M12,0	1,75	3	75	28	7,00	9,0
M13,0	0,75	2	70	20	9,00	11,0
M13,0	1,00	2	70	22	9,00	11,0
M13,0	1,25	2	70	22	9,00	11,0
M13,0	1,50	2	70	22	9,00	11,0
M13,0	1,75	3	75	30	9,00	11,0
M14,0	0,75	2	70	22	9,00	11,0
M14,0	1,00	2	70	22	9,00	11,0
M14,0	1,25	2	70	22	9,00	11,0
M14,0	1,50	2	70	22	9,00	11,0
M14,0	2,00	3	80	30	9,00	11,0
M15,0	1,00	2	70	22	9,00	12,0
M15,0	1,25	2	70	22	9,00	12,0
M15,0	1,50	2	70	22	9,00	12,0
M15,0	2,00	3	80	32	9,00	12,0
M16,0	1,00	2	70	22	9,00	12,0
M16,0	1,25	2	70	22	9,00	12,0
M16,0	1,50	2	70	22	9,00	12,0
M16,0	2,00	3	80	32	9,00	12,0
M17,0	1,00	2	70	22	9,00	12,0
M17,0	1,25	2	70	22	9,00	12,0
M17,0	1,50	2	70	22	9,00	12,0
M18,0	1,00	2	80	22	11,00	14,0
M18,0	1,25	2	80	22	11,00	14,0
M18,0	1,50	2	80	22	11,00	14,0
M18,0	2,00	2	80	22	11,00	14,0
M18,0	2,50	3	95	34	11,00	14,0
M19,0	1,00	2	80	22	11,00	14,0
M19,0	1,25	2	80	22	11,00	14,0
M19,0	1,50	2	80	22	11,00	14,0
M20,0	1,00	2	80	22	12,00	16,0
M20,0	1,25	2	80	22	12,00	16,0
M20,0	1,50	2	80	22	12,00	16,0
M20,0	2,00	2	80	22	12,00	16,0
M20,0	2,50	3	95	34	12,00	16,0
M21,0	1,00	2	80	22	12,00	16,0
M21,0	1,25	2	80	22	12,00	16,0
M21,0	1,50	2	80	22	12,00	16,0
M22,0	1,00	2	80	22	14,50	18,0
M22,0	1,25	2	80	22	14,50	18,0
M22,0	1,50	2	80	22	14,50	18,0

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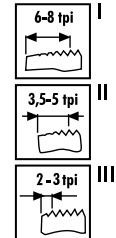
Tol.
6H

P				M		K			N				S		H		
<800	<1.000	<1.200	<1.400	<950	<1.200	<500	<800	<1.400	Al	Cu	Mg/Zn	Plastic	Ni	Ti	50 HRC	55 HRC	60 HRC
•									•	•							

Vc (m/min). • Optima / Optimun ○ Alternativo / Alternative

Macho 3°
Taraud 3°
Tap 3°
Gewindebohrer 3°

PVP = € / 3 M (€ / 3)
MF (€ / 2)



Ø	P	Nº	L mm	I mm	mm	d mm
M22,0	2,00	2	80	22	14,50	18,0
M22,0	2,50	3	100	34	14,50	18,0
M23,0	1,00	2	80	22	14,50	18,0
M23,0	1,50	2	80	22	14,50	18,0
M24,0	1,00	2	90	22	14,50	18,0
M24,0	1,25	2	90	22	14,50	18,0
M24,0	1,50	2	90	22	14,50	18,0
M24,0	2,00	2	90	22	14,50	18,0
M24,0	3,00	3	110	38	14,50	18,0
M25,0	1,00	2	90	22	14,50	18,0
M25,0	1,25	2	90	22	14,50	18,0
M25,0	1,50	2	90	22	14,50	18,0
*M25,0	2,00	2	90	22	14,50	18,0
M26,0	1,00	2	90	22	14,50	18,0
M26,0	1,50	2	90	22	14,50	18,0
M26,0	2,00	2	90	22	14,50	18,0
M27,0	1,00	2	90	22	16,00	20,0
M27,0	1,50	2	90	22	16,00	20,0
M27,0	2,00	2	90	22	16,00	20,0
M27,0	3,00	3	110	38	16,00	20,0
M28,0	1,00	2	90	22	16,00	20,0
M28,0	1,50	2	90	22	16,00	20,0
M28,0	2,00	2	90	22	16,00	20,0
M30,0	1,00	2	90	22	18,00	22,0
M30,0	1,50	2	90	22	18,00	22,0
M30,0	2,00	2	90	22	18,00	22,0
M30,0	3,50	3	125	45	18,00	22,0
M32,0	1,00	2	90	22	18,00	22,0
M32,0	1,50	2	90	22	18,00	22,0
M32,0	2,00	2	90	22	18,00	22,0
M33,0	1,00	2	100	25	20,00	25,0
M33,0	1,50	2	100	25	20,00	25,0
M33,0	2,00	2	100	25	20,00	25,0
M33,0	3,50	3	125	50	20,00	25,0
M34,0	1,50	2	100	25	22,00	28,0

Ø	P	Nº	L mm	I mm	mm	d mm
M35,0	1,50	2	100	25	22,00	28,0
M36,0	1,50	2	100	25	22,00	28,0
M36,0	2,00	2	125	40	22,00	28,0
M36,0	3,00	2	125	40	22,00	28,0
M36,0	4,00	3	150	56	22,00	28,0
M38,0	1,50	2	100	25	22,00	28,0
M38,0	2,00	2	125	40	22,00	28,0
M39,0	1,50	2	110	25	24,00	32,0
M39,0	2,00	2	125	40	24,00	32,0
M39,0	3,00	2	125	40	24,00	32,0
M39,0	4,00	3	150	60	24,00	32,0
M40,0	1,50	2	110	25	24,00	32,0
M40,0	2,00	2	125	40	24,00	32,0
M40,0	3,00	2	125	40	24,00	32,0
M42,0	1,50	2	110	25	24,00	32,0
M42,0	2,00	2	125	40	24,00	32,0
M42,0	3,00	2	125	40	24,00	32,0
M42,0	4,50	3	150	60	24,00	32,0
M45,0	1,50	2	110	25	29,00	36,0
M45,0	2,00	2	125	40	29,00	36,0
M45,0	3,00	2	125	40	29,00	36,0
M45,0	4,50	3	160	65	29,00	36,0
M48,0	1,50	2	140	40	29,00	36,0
M48,0	2,00	2	140	40	29,00	36,0
M48,0	3,00	2	140	40	29,00	36,0
M48,0	5,00	3	180	70	29,00	36,0
M50,0	1,50	2	140	40	29,00	36,0
M52,0	1,50	2	140	40	32,00	40,0
M52,0	2,00	2	140	40	32,00	40,0
M52,0	3,00	2	140	40	32,00	40,0
M52,0	5,00	3	180	70	32,00	40,0
M56,0	5,50	3	200	70	35,00	45,0
M60,0	5,50	3	200	75	35,00	45,0
M63,0	1,50	2	160	40	39,00	50,0
M64,0	6,00	3	220	80	39,00	50,0

*Hasta fin de existencias / Jusqu'à epuiseiment des stocks / Until end of stock