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INHALTSVERZEICHNIS
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Our instruments are made of the following high speed steels:

HSS (1.3343, S6 - 5 - 2 DIN)
HSSE - Co 5% (1.3243, S6 - 5 - 2 - 5 DIN)
PM 30 - Co 8% (HS 6 - 5 - 3 - 8 DIN)

In this catalogue taps implementation is shown only with a right-hand (normal) thread. The instruments can be produced with a left-hand thread too (designation LH).

Way of ordering of left-hand taps, made of HSSE:

Machine Taps 2602 M3 LH HSSE

COATING

* **TiN** - Titanium nitride - Increases the surface microhardness of the tool up to 2300 HV. Stands working temperature up to 600°C.
* **TiAlN** - Titanium aluminium nitride - Increases the surface microhardness of the tool up to 3300 HV. Stands working temperature up to 900°C.
* **TiCN** - Titanium carbonitride - Increases the surface microhardness of the tool up to 3000 HV. Stands working temperature up to 400°C.
* **VAP** - Vaporization - Improves the adhesion. Keeps more of the cooling liquid on the tool's surface.

Unsere Werkzeuge werden aus folgenden Schnellbearbeitungsstahlarten gefertigt:

HSS (1.3343, S6 - 5 - 2 DIN)
HSSE - Co 5% (1.3243, S6 - 5 - 2 - 5 DIN)
PM 30 - Co 8% (HS 6 - 5 - 3 - 8 DIN)

Im Katalog für Gewindebohrer werden diese Werkzeuge nur mit Rechtsgewinde angegeben. Die Werkzeuge können auch mit Linksgewinde ausgeführt werden (Kennzeichnung LH).

Bestellbeispiel für Gewindebohrer mit Linksgewinde, aus HSSE:

Maschinengewindebohrer 2602 M3 LH HSSE

BESCHICHTUNGEN

* **TiN** - Titan-Nitrid - Erhöht die Mikrohärte an der Werkzeugoberfläche bis 2 300 HV. Hält eine Arbeitstemperatur bis zu 600°C aus.
* **TiAlN** -Titan-Aluminium-Nitrid - Erhöht die Mikrohärte an der Werkzeugoberfläche bis 3 300 HV. Hält eine Arbeitstemperatur bis zu 900°C aus.
* **TiCN** - Titan-Carbo-Nitrid - Erhöht die Mikrohärte an der Werkzeugoberfläche bis 3 000 HV. Hält eine Arbeitstemperatur bis zu 400°C aus.
* **VAP** - Wärmebehandlung mit Wasserdampf - Verbessert die Adhäsion, hält mehr Kühl-und-Schmiermittel an der Werkzeugoberfläche an.

Нашите инструменти се изработват от следните бързорезни стомани:

HSS (1.3343, S6 - 5 - 2 DIN)
HSSE - Co 5% (1.3243, S6 - 5 - 2 - 5 DIN)
PM 30 - Co 8% (HS 6 - 5 - 3 - 8 DIN)

В каталога е показвано изпълнението на инструментите само с дясна (нормална) резба. Има възможност те да бъдат изработени и с лява резба (символично означение LH).

Начин на заявяване на метчици с лява резба, произведени от HSSE:

Метчици машинни 2602 M3 LH HSSE

ПОКРИТИЯ

* **TiN** - Титан нитрид - Повишава повърхностната микротвърдост на инструмента до 2300 HV. Издържа работна температура до 600°C.
* **TiAlN** - Титан алум. нитрид - Повишава повърхностната микротвърдост на инструмента до 3300 HV. Издържа работна температура до 900°C.
* **TiCN** - Титан карбонитрид - Повишава повърхностната микротвърдост на инструмента до 3000 HV. Издържа работна температура до 400°C.
* **VAP** - Термообработка с водна пара - Подобрява адхезията. Задържа повече смазочно-охлаждаща течност по повърхността на инструмента.

Hand Taps

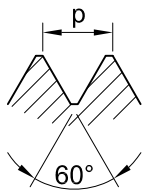
Set of 3 pieces for ISO metric thread according to DIN 13
Grade of fit: ISO 2 (6H)
Ground thread

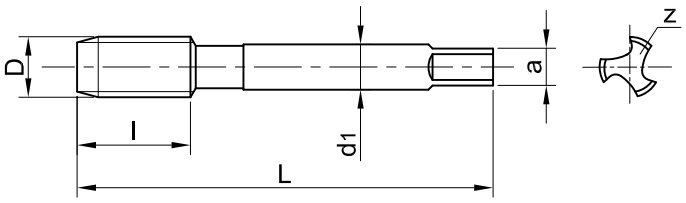
Handgewindebohrer

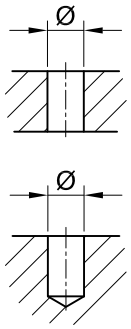
Dreiteiliger Satz für metrisches ISO-Regelgewinde nach DIN 13
Toleranzfeld: ISO 2 (6H)
Geschliffenes Gewinde

Метчици ръчни

Комплект от 3 броя за метрична ISO резба по DIN 13
Клас на точност: ISO 2 (6H)
Шлифована резба









M DIN 352

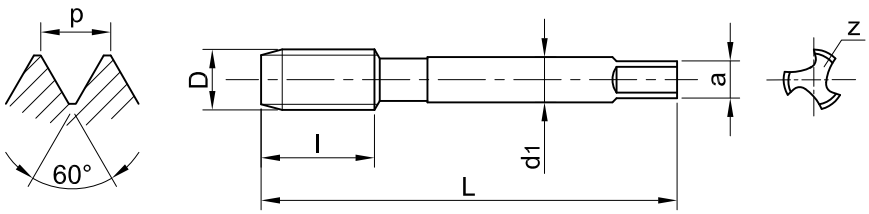
d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 110*..
M2	0.4	36	8	2.8	2.1	3	1.6	110M2
M2.2	0.45	36	9	2.8	2.1	3	1.75	110M2.2
M2.3	0.4	36	9	2.8	2.1	3	1.9	110M2.3
M2.5	0.45	40	9	2.8	2.1	3	2.05	110M2.5
M2.6	0.45	40	9	2.8	2.1	3	2.15	110M2.6
M3	0.5	40	11	3.5	2.7	3	2.5	110M3
M3.5	0.6	45	13	4.0	3.0	3	2.9	110M3.5
M4	0.7	45	13	4.5	3.4	3	3.3	110M4
M4.5	0.75	50	16	6.0	4.9	3	3.7	110M4.5
M5	0.8	50	16	6.0	4.9	3	4.2	110M5
M5.5	0.9	50	18	6.0	4.9	3	4.7	110M5.5
M6	1.0	50	19	6.0	4.9	3	5.0	110M6
M7	1.0	50	19	6.0	4.9	3	6.0	110M7
M8	1.25	56	22	6.0	4.9	4	6.8	110M8
M9	1.25	63	22	7.0	5.5	4	7.8	110M9
M10	1.5	70	24	7.0	5.5	4	8.5	110M10
M11	1.5	70	24	8.0	6.2	4	9.5	110M11
M12	1.75	75	29	9.0	7.0	4	10.2	110M12
M13	1.75	75	29	9.0	7.0	4	11.2	110M13
M14	2.0	80	30	11.0	9.0	4	12.0	110M14
M16	2.0	80	32	12.0	9.0	4	14.0	110M16
M18	2.5	95	40	14.0	11.0	4	15.5	110M18
M19	2.5	95	40	14.0	11.0	4	16.5	110M19
M20	2.5	95	40	16.0	12.0	4	17.5	110M20
M22	2.5	100	40	18.0	14.5	4	19.5	110M22
M24	3.0	110	50	18.0	14.5	4	21.0	110M24
M27	3.0	110	50	20.0	16.0	4	24.0	110M27
M30	3.5	125	56	22.0	18.0	4	26.5	110M30
M33	3.5	125	56	25.0	20.0	4	29.5	110M33
M36	4.0	150	63	28.0	22.0	4	32.0	110M36
M39	4.0	150	63	32.0	24.0	4	35.0	110M39
M42	4.5	150	63	32.0	24.0	4	37.5	110M42
M45	4.5	160	70	36.0	29.0	6	40.5	110M45
M48	5.0	180	75	36.0	29.0	6	43.0	110M48
M52	5.0	180	75	40.0	32.0	6	47.0	110M52
M56	5.5	200	85	45.0	35.0	6	50.5	110M56
M60	5.5	200	85	45.0	35.0	6	54.5	110M60
M64	6.0	220	90	50.0	39.0	6	58.0	110M64
M68	6.0	220	90	50.0	39.0	6	62.0	110M68

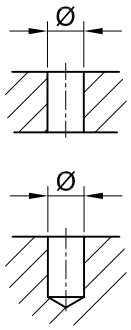
Ordering example: Hand taps 110M2 HSS - for 1 set /I, II, III/
Bestellbeispiel: Handgewindebohrer 110M2 HSS - für 1 Satz /I, II, III/
Начин на заявяване: Метчици ръчни 110M2 HSS - за 1 комплект /I, II, III/

Hand Taps
Set of 3 pieces for ISO metric thread according to DIN 13
Grade of fit: ISO 2 (6H)
Ground thread

Handgewindebohrer
Dreiteiliger Satz für metrisches ISO-Regelgewinde nach DIN 13
Toleranzfeld: ISO 2 (6H)
Geschliffenes Gewinde

Метчици ръчни
Комплект от 3 броя за метрична ISO резба по DIN 13
Клас на точност: ISO 2 (6H)
Шлифована резба







M DIN 2184-2

d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 110*.. 160*..
M2	0.4	36	8	2.8	2.1	3	1.6	110M2
M2.2	0.45	36	9	2.8	2.1	3	1.75	110M2.2
M2.3	0.4	36	9	2.8	2.1	3	1.9	110M2.3
M2.5	0.45	40	9	2.8	2.1	3	2.05	110M2.5
M2.6	0.45	40	9	2.8	2.1	3	2.15	110M2.6
M3	0.5	40	11	3.5	2.7	3	2.5	110M3
M3.5	0.6	45	12	4.0	3.0	3	2.9	160M3.5
M4	0.7	45	13	4.5	3.4	3	3.3	110M4
M4.5	0.75	50	16	6.0	4.9	3	3.7	110M4.5
M5	0.8	50	16	6.0	4.9	3	4.2	110M5
M5.5	0.9	56	17	6.0	4.9	3	4.7	160M5.5
M6	1.0	56	19	6.0	4.9	3	5.0	160M6
M7	1.0	56	19	6.0	4.9	3	6.0	160M7
M8	1.25	63	22	6.0	4.9	4	6.8	160M8
M9	1.25	63	22	7.0	5.5	4	7.8	110M9
M10	1.5	70	24	7.0	5.5	4	8.5	110M10
M11	1.5	70	24	8.0	6.2	4	9.5	110M11
M12	1.75	75	28	9.0	7.0	4	10.2	160M12
M13	1.75	80	30	9.0	7.0	4	11.2	160M13
M14	2.0	80	30	11.0	9.0	4	12.0	110M14
M16	2.0	80	32	12.0	9.0	4	14.0	110M16
M18	2.5	95	34	14.0	11.0	4	15.5	160M18
M19	2.5	95	34	14.0	11.0	4	16.5	160M19
M20	2.5	95	34	16.0	12.0	4	17.5	160M20
M22	2.5	100	34	18.0	14.5	4	19.5	160M22
M24	3.0	110	38	18.0	14.5	4	21.0	160M24
M27	3.0	110	38	20.0	16.0	4	24.0	160M27
M30	3.5	125	45	22.0	18.0	4	26.5	160M30
M33	3.5	125	50	25.0	20.0	4	29.5	160M33
M36	4.0	150	56	28.0	22.0	4	32.0	160M36
M39	4.0	150	60	32.0	24.0	4	35.0	160M39
M42	4.5	150	60	32.0	24.0	4	37.5	160M42
M45	4.5	160	65	36.0	29.0	6	40.5	160M45
M48	5.0	180	70	36.0	29.0	6	43.0	160M48
M52	5.0	180	70	40.0	32.0	6	47.0	160M52
M56	5.5	180	70	40.0	32.0	6	50.5	160M56
M60	5.5	200	75	45.0	35.0	6	54.5	160M60
M64	6.0	220	80	50.0	39.0	6	58.0	160M64
M68	6.0	220	80	50.0	39.0	6	62.0	160M68

Ordering example: Hand taps 110M2 HSS - for 1 set /I, II, III/
Bestellbeispiel: Handgewindebohrer 110M2 HSS - für 1 Satz /I, II, III/
Начин на заявяване: Метчици ръчни 110M2 HSS - за 1 комплект /I, II, III/

Hand Taps

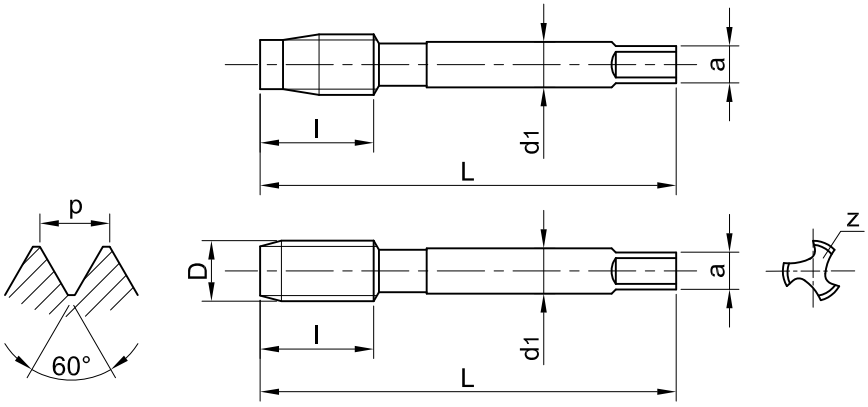
Set of 3 pieces for ISO metric thread according to DIN 13
Grade of fit: ISO 2 (6H)
Taper tap piloted
VAP - for stainless steel
Ground thread

Handgewindebohrer

Dreiteiliger Satz für metrisches ISO-Regelgewinde nach DIN 13
Toleranzfeld: ISO 2 (6H)
Vorschneider mit Führungszapfen
VAP für rostfreie Stähle
Geschliffenes Gewinde

Метчици ръчни

Комплект от 3 броя за метрична ISO резба по DIN 13
Клас на точност: ISO 2 (6H)
Първи метчик с водач
VAP - за неръждаема стомана
Шлифована резба





M DIN 352

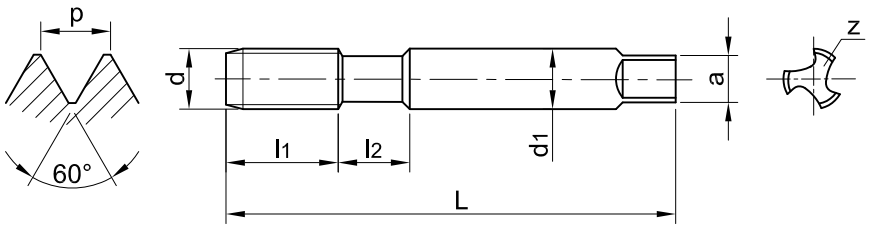
d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 1109*..
M3	0.5	40	11	3.5	2.7	3	2.5	1109M3
M4	0.7	45	13	4.5	3.4	3	3.3	1109M4
M5	0.8	50	16	6.0	4.9	3	4.2	1109M5
M6	1.0	50	19	6.0	4.9	3	5.0	1109M6
M8	1.25	56	22	6.0	4.9	3	6.8	1109M8
M10	1.5	70	24	7.0	5.5	3	8.5	1109M10
M12	1.75	75	29	9.0	7.0	4	10.2	1109M12
M14	2.0	80	30	11.0	9.0	4	12.0	1109M14
M16	2.0	80	32	12.0	9.0	4	14.0	1109M16
M18	2.5	95	40	14.0	11.0	4	15.5	1109M18
M20	2.5	95	40	16.0	12.0	4	17.5	1109M20

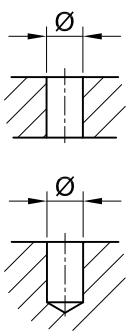
Ordering example: Hand taps 1109M3 HSS - for 1 set /I, II, III/
Bestellbeispiel: Handgewindebohrer 1109M3 HSS - für 1 Satz /I, II, III/
Начин на заявяване: Метчици ръчни 1109M3 HSS - за 1 комплект /I, II, III/

Hand Taps
for ISO metric thread
according to DIN 13
Grade of fit: ISO 2 (6H)
Ground thread
Form A 6-8 threads chamfered
Form D 4-5 threads chamfered
Form C 2-3 threads chamfered

Handgewindebohrer
für metrisches ISO-Regelgewinde
nach DIN 13
Toleranzfeld: ISO 2 (6H)
Geschliffenes Gewinde
Form A 6-8 Gang Anschnitt
Form D 4-5 Gang Anschnitt
Form C 2-3 Gang Anschnitt

Метчици ръчни
за метрична ISO резба
по DIN 13
Клас на точност: ISO 2 (6H)
Шлифована резба
Форма A 6-8 навивки конус
Форма D 4-5 навивки конус
Форма C 2-3 навивки конус







M ISO 529

d	p mm	L mm	l1 mm	l2 mm	d1 mm	a mm	z	Ø	Art. No. A 3101*.. Art. No. D 3104*.. Art. No. C 3103*..
M2	0.4	41	8		2.5	2.0	3	1.6	..*M2
M2.2	0.45	44.5	9.5		2.8	2.24	3	1.75	..*M2.2
M2.5	0.45	44.5	9.5		2.8	2.24	3	2.05	..*M2.5
M2.6	0.45	44.5	9.5		2.8	2.24	3	2.15	..*M2.6
M3	0.5	48	11	7	3.15	2.5	3	2.5	..*M3
M3.5	0.6	50	13	7	3.55	2.8	3	2.9	..*M3.5
M4	0.7	53	13	8	4.0	3.15	3	3.3	..*M4
M4.5	0.75	53	13	8	4.5	3.55	3	3.7	..*M4.5
M5	0.8	58	16	9	5.0	4.0	3	4.2	..*M5
M6	1.0	66	19	11	6.3	5.0	3	5.0	..*M6
M7	1.0	66	19	11	7.1	5.6	4	6.0	..*M7
M8	1.25	72	22	13	8.0	6.3	4	6.8	..*M8
M9	1.25	72	22	14	9.0	7.1	4	7.8	..*M9
M10	1.5	80	24	15	10.0	8.0	4	8.5	..*M10
M11	1.5	85	25		8.0	6.3	4	9.5	..*M11
M12	1.75	89	29		9.0	7.1	4	10.2	..*M12
M14	2.0	95	30		11.2	9.0	4	12.0	..*M14
M16	2.0	102	32		12.5	10.0	4	14.0	..*M16
M18	2.5	112	37		14.0	11.2	4	15.5	..*M18
M20	2.5	112	37		14.0	11.2	4	17.5	..*M20
M22	2.5	118	38		16.0	12.5	4	19.5	..*M22
M24	3.0	130	45		18.0	14.0	4	21.0	..*M24
M27	3.0	135	45		20.0	16.0	4	24.0	..*M27
M30	3.5	138	48		20.0	16.0	4	26.5	..*M30
M33	3.5	151	51		22.4	18.0	4	29.5	..*M33
M36	4.0	162	57		25.0	20.0	4	32.0	..*M36
M39	4.0	170	60		28.0	22.4	6	35.0	..*M39
M42	4.5	170	60		28.0	22.4	6	37.5	..*M42
M45	4.5	187	67		31.5	25.0	6	40.5	..*M45
M48	5.0	187	67		31.5	25.0	6	43.0	..*M48
M52	5.0	200	70		35.5	28.0	6	47.0	..*M52
M56	5.5	200	70		35.5	28.0	6	50.5	..*M56
M60	5.5	221	76		40.0	31.5	6	54.5	..*M60
M64	6.0	224	79		40.0	31.5	6	58.0	..*M64
M68	6.0	234	79		45.0	35.5	6	62.0	..*M68

Ordering example: Hand taps 3101M2 HSS
Bestellbeispiel: Handgewindebohrer 3101M2 HSS
Начин на заявяване: Метчици ръчни 3101M2 HSS

Hand Taps

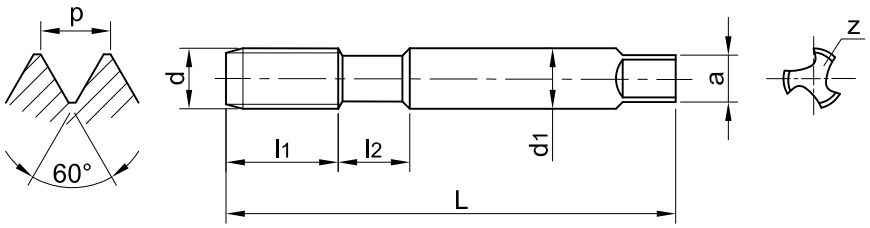
Set of 3 or 2 pieces
for ISO metric thread
according to DIN 13
Grade of fit: ISO 2 (6H)
Ground thread

Handgewindebohrer

Satz à 3 oder 2 Stück
für metrisches ISO-Regelgewinde
nach DIN 13
Toleranzfeld: ISO 2 (6H)
Geschliffenes Gewinde

Метчици ръчни

Комплект от 3, или 2 броя
за метрична ISO резба
по DIN 13
Клас на точност: ISO 2 (6H)
Шлифована резба





M ISO 529

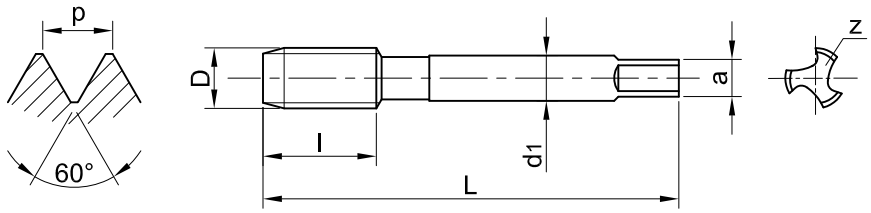
d	p mm	L mm	l1 mm	l2 mm	d1 mm	a mm	z	Ø	Art. No. 313*.. (I, II, III) Art. No.312*.. (I, III)
M2	0.4	41	8		2.5	2.0	3	1.6	..*M2
M2.2	0.45	44.5	9.5		2.8	2.24	3	1.75	..*M2.2
M2.5	0.45	44.5	9.5		2.8	2.24	3	2.05	..*M2.5
M2.6	0.45	44.5	9.5		2.8	2.24	3	2.15	..*M2.6
M3	0.5	48	11	7	3.15	2.5	3	2.5	..*M3
M3.5	0.6	50	13	7	3.55	2.8	3	2.9	..*M3.5
M4	0.7	53	13	8	4.0	3.15	3	3.3	..*M4
M4.5	0.75	53	13	8	4.5	3.55	3	3.7	..*M4.5
M5	0.8	58	16	9	5.0	4.0	3	4.2	..*M5
M6	1.0	66	19	11	6.3	5.0	3	5.0	..*M6
M7	1.0	66	19	11	7.1	5.6	4	6.0	..*M7
M8	1.25	72	22	13	8.0	6.3	4	6.8	..*M8
M9	1.25	72	22	14	9.0	7.1	4	7.8	..*M9
M10	1.5	80	24	15	10.0	8.0	4	8.5	..*M10
M11	1.5	85	25		8.0	6.3	4	9.5	..*M11
M12	1.75	89	29		9.0	7.1	4	10.2	..*M12
M14	2.0	95	30		11.2	9.0	4	12.0	..*M14
M16	2.0	102	32		12.5	10.0	4	14.0	..*M16
M18	2.5	112	37		14.0	11.2	4	15.5	..*M18
M20	2.5	112	37		14.0	11.2	4	17.5	..*M20
M22	2.5	118	38		16.0	12.5	4	19.5	..*M22
M24	3.0	130	45		18.0	14.0	4	21.0	..*M24
M27	3.0	135	45		20.0	16.0	4	24.0	..*M27
M30	3.5	138	48		20.0	16.0	4	26.5	..*M30
M33	3.5	151	51		22.4	18.0	4	29.5	..*M33
M36	4.0	162	57		25.0	20.0	4	32.0	..*M36
M39	4.0	170	60		28.0	22.4	6	35.0	..*M39
M42	4.5	170	60		28.0	22.4	6	37.5	..*M42
M45	4.5	187	67		31.5	25.0	6	40.5	..*M45
M48	5.0	187	67		31.5	25.0	6	43.0	..*M48
M52	5.0	200	70		35.5	28.0	6	47.0	..*M52
M56	5.5	200	70		35.5	28.0	6	50.5	..*M56
M60	5.5	221	76		40.0	31.5	6	54.5	..*M60
M64	6.0	224	79		40.0	31.5	6	58.0	..*M64
M68	6.0	234	79		45.0	35.5	6	62.0	..*M68

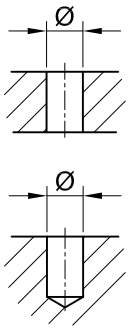
Ordering example: Hand taps 313M2 HSS - for 1 set /I, II, III/
Bestellbeispiel: Handgewindebohrer 313M2 HSS - für 1 Satz /I, II, III/
Начин на заявяване: Метчици ръчни 313M2 HSS - за 1 комплект /I, II, III/

Hand Taps
for ISO metric thread
according to DIN 13
Grade of fit: ISO 2 (6H)
Ground thread
Form A 6-8 threads chamfered
Form D 4-5 threads chamfered
Form C 2-3 threads chamfered

Handgewindebohrer
für metrisches ISO-Regelgewinde
nach DIN 13
Toleranzfeld: ISO 2 (6H)
Geschliffenes Gewinde
Form A 6-8 Gang Anschnitt
Form D 4-5 Gang Anschnitt
Form C 2-3 Gang Anschnitt

Метчици ръчни
за метрична ISO резба
по DIN 13
Клас на точност: ISO 2 (6H)
Шлифована резба
Форма A 6-8 навивки конус
Форма D 4-5 навивки конус
Форма C 2-3 навивки конус







M JIS B 4430

d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. A 4101*.. Art. No. D 4104*.. Art. No. C 4103*..
M2	0.4	40	15	3.0	2.5	3	1.6	..*M2x0.4
M2.3	0.4	42	15	3.0	2.5	3	1.9	..*M2.3x0.4
M2.5	0.45	44	16	3.0	2.5	3	2.05	..*M2.5x0.45
M2.6	0.45	44	16	3.0	2.5	3	2.15	..*M2.6x0.45
M3	0.5	46	18	4.0	3.2	3	2.5	..*M3x0.5
M3.5	0.6	48	18	4.0	3.2	3	2.9	..*M3.5x0.6
M4	0.7	52	20	5.0	4.0	3	3.3	..*M4x0.7
M4.5	0.75	55	20	5.0	4.0	3	3.7	..*M4.5x0.75
M5	0.8	60	22	5.5	4.5	3	4.2	..*M5x0.8
M6	1.0	62	24	6.0	4.5	3	5.0	..*M6x1
M7	1.0	65	26	6.2	5.0	4	6.0	..*M7x1
M8	1.25	70	30	6.2	5.0	4	6.8	..*M8x1.25
M10	1.5	75	32	7.0	5.5	4	8.5	..*M10x1.5
M12	1.75	82	38	8.5	6.5	4	10.2	..*M12x1.75
M14	2.0	88	42	10.5	8.0	4	12.0	..*M14x2
M16	2.0	95	45	12.5	10.0	4	14.0	..*M16x2
M18	2.5	100	48	14.0	11.0	4	15.5	..*M18x2.5
M20	2.5	105	50	15.0	12.0	4	17.5	..*M20x2.5
M22	2.5	115	55	17.0	13.0	4	19.5	..*M22x2.5
M24	3.0	120	58	19.0	15.0	4	21.0	..*M24x3
M27	3.0	130	62	20.0	15.0	4	24.0	..*M27x3
M30	3.5	135	65	23.0	17.0	4	26.5	..*M30x3.5

Ordering example: Hand taps 4101M2x0.4 HSS
Bestellbeispiel: Handgewindebohrer 4101M2x0.4 HSS
Начин на заявяване: Метчици ръчни 4101M2x0.4 HSS

Short Machine Taps

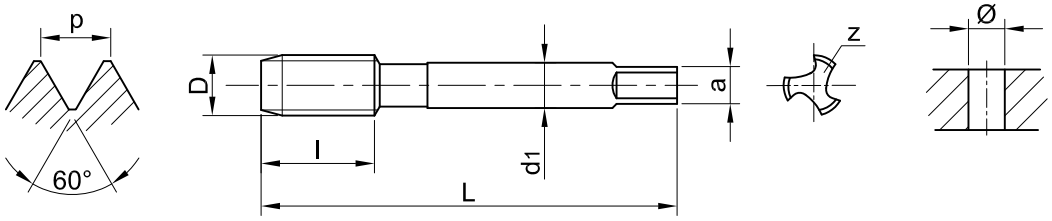
with spiral point for ISO metric thread according to DIN 13
Grade of fit: ISO 2 (6H)
Ground thread
Form B 4-5 threads chamfered

Einschnittgewindebohrer

mit Schälanschnitt für metrisches ISO-Regelgewinde nach DIN 13
Toleranzfeld: ISO 2 (6H)
Geschliffenes Gewinde
Form B 4-5 Gang Anschnitt

Метчици машинни къси

с подточени канали за метрична ISO резба по DIN 13
Клас на точност: ISO 2 (6H)
Шлифована резба
Форма B 4-5 навивки конус





M DIN 352 B

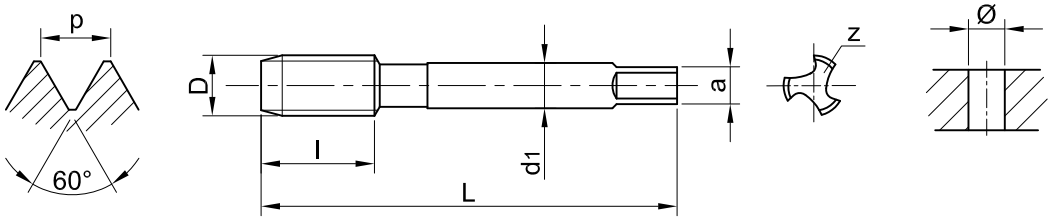
d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 2602*..
M3	0.5	40	11	3.5	2.7	3	2.5	2602M3
M3.5	0.6	45	13	4.0	3.0	3	2.9	2602M3.5
M4	0.7	45	13	4.5	3.4	3	3.3	2602M4
M4.5	0.75	48	16	6.0	4.9	3	3.7	2602M4.5
M5	0.8	48	16	6.0	4.9	3	4.2	2602M5
M6	1.0	50	19	6.0	4.9	3	5.0	2602M6
M7	1.0	50	19	6.0	4.9	3	6.0	2602M7
M8	1.25	56	22	6.0	4.9	3	6.8	2602M8
M9	1.25	63	22	7.0	5.5	3	7.8	2602M9
M10	1.5	70	24	7.0	5.5	3	8.5	2602M10
M11	1.5	70	24	8.0	6.2	3	9.5	2602M11
M12	1.75	75	29	9.0	7.0	3	10.2	2602M12
M14	2.0	80	30	11.0	9.0	3	12.0	2602M14
M16	2.0	80	32	12.0	9.0	3	14.0	2602M16
M18	2.5	95	40	14.0	11.0	4	15.5	2602M18
M20	2.5	95	40	16.0	12.0	4	17.5	2602M20
M22	2.5	100	40	18.0	14.5	4	19.5	2602M22
M24	3.0	110	50	18.0	14.5	4	21.0	2602M24

Ordering example: Short machine taps 2602M3 HSSE
Bestellbeispiel: Einschnittgewindebohrer 2602M3 HSSE
Начин на заявяване: Метчици машинни къси 2602M3 HSSE

Short Machine Taps
with spiral point and interrupted thread for ISO metric thread according to DIN 13
Grade of fit: ISO 2 (6H)
Ground thread
Form B-AZ 4-5 threads chamfered

Einschnittgewindebohrer
mit Schälanschnitt und ausgesetzten Zähnen für metrisches ISO-Regelgewinde nach DIN 13
Toleranzfeld: ISO 2 (6H)
Geschliffenes Gewinde
Form B-AZ 4-5 Gang Anschnitt

Метчици машинни къси
с подточени канали и разредени зъби за метрична ISO резба по DIN 13
Клас на точност: ISO 2 (6H)
Шлифована резба
Форма B-AZ 4-5 навивки конус





M DIN 352 B-AZ

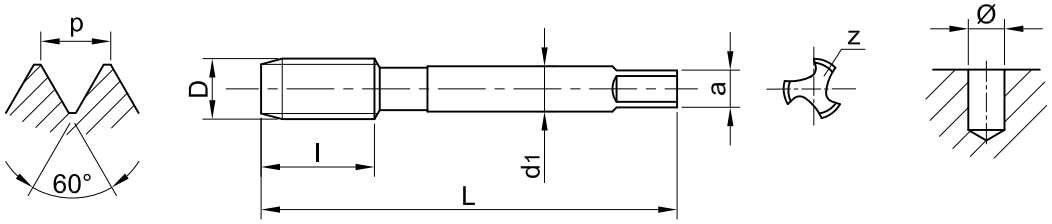
d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 2608*..
M3	0.5	40	11	3.5	2.7	3	2.5	2608M3
M3.5	0.6	45	13	4.0	3.0	3	2.9	2608M3.5
M4	0.7	45	13	4.5	3.4	3	3.3	2608M4
M4.5	0.75	48	16	6.0	4.9	3	3.7	2608M4.5
M5	0.8	48	16	6.0	4.9	3	4.2	2608M5
M6	1.0	50	19	6.0	4.9	3	5.0	2608M6
M7	1.0	50	19	6.0	4.9	3	6.0	2608M7
M8	1.25	56	22	6.0	4.9	3	6.8	2608M8
M9	1.25	63	22	7.0	5.5	3	7.8	2608M9
M10	1.5	70	24	7.0	5.5	3	8.5	2608M10
M11	1.5	70	24	8.0	6.2	3	9.5	2608M11
M12	1.75	75	29	9.0	7.0	3	10.2	2608M12
M14	2.0	80	30	11.0	9.0	3	12.0	2608M14
M16	2.0	80	32	12.0	9.0	3	14.0	2608M16
M18	2.5	95	40	14.0	11.0	3	15.5	2608M18
M20	2.5	95	40	16.0	12.0	3	17.5	2608M20
M22	2.5	100	40	18.0	14.5	3	19.5	2608M22
M24	3.0	110	50	18.0	14.5	3	21.0	2608M24

Ordering example: Short machine taps 2608M3 HSSE
Bestellbeispiel: Einschnittgewindebohrer 2608M3 HSSE
Начин на заявяване: Метчици машинни къси 2608M3 HSSE

Short Machine Taps
with helical flutes R35° for ISO metric thread according to DIN 13
Grade of fit: ISO 2 (6H)
Ground thread
Form C 2-3 threads chamfered

Einschnittgewindebohrer
drallgenutet R35° für metrisches ISO-Regelgewinde nach DIN 13
Toleranzfeld: ISO 2 (6H)
Geschliffenes Gewinde
Form C 2-3 Gang Anschnitt

Метчици машинни къси
с винтови канали R35° за метрична ISO резба по DIN 13
Клас на точност: ISO 2 (6H)
Шлифована резба
Форма C 2-3 навивки конус





M DIN 352 R35°

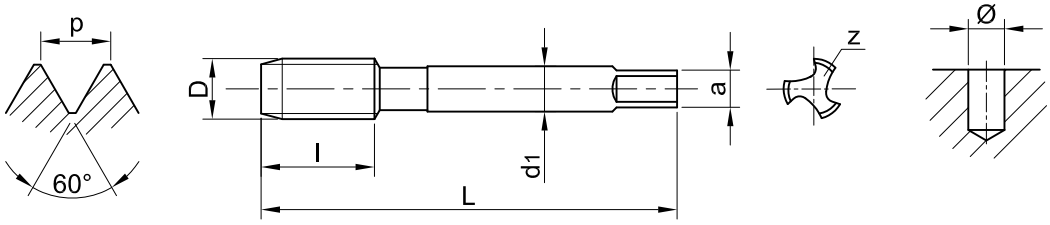
d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 2606*..
M3	0.5	40	11	3.5	2.7	3	2.5	2606M3
M3.5	0.6	45	13	4.0	3.0	3	2.9	2606M3.5
M4	0.7	45	13	4.5	3.4	3	3.3	2606M4
M4.5	0.75	48	16	6.0	4.9	3	3.7	2606M4.5
M5	0.8	48	16	6.0	4.9	3	4.2	2606M5
M6	1.0	50	19	6.0	4.9	3	5.0	2606M6
M7	1.0	50	19	6.0	4.9	3	6.0	2606M7
M8	1.25	56	22	6.0	4.9	3	6.8	2606M8
M9	1.25	63	22	7.0	5.5	3	7.8	2606M9
M10	1.5	70	24	7.0	5.5	3	8.5	2606M10
M11	1.5	70	24	8.0	6.2	3	9.5	2606M11
M12	1.75	75	29	9.0	7.0	3	10.2	2606M12
M14	2.0	80	30	11.0	9.0	3	12.0	2606M14
M16	2.0	80	32	12.0	9.0	3	14.0	2606M16
M18	2.5	95	40	14.0	11.0	4	15.5	2606M18
M20	2.5	95	40	16.0	12.0	4	17.5	2606M20
M22	2.5	100	40	18.0	14.5	4	19.5	2606M22
M24	3.0	110	50	18.0	14.5	4	21.0	2606M24

Ordering example: Short machine taps 2606M3 HSSE
Bestellbeispiel: Einschnittgewindebohrer 2606M3 HSSE
Начин на заявяване: Метчици машинни къси 2606M3 HSSE

Short Machine Taps
with helical flutes R15° for ISO metric thread according to DIN 13
Grade of fit: ISO 2 (6H)
Ground thread
Form C 2-3 threads chamfered

Einschnittgewindebohrer
drallgenutet R15° für metrisches ISO-Regelgewinde nach DIN 13
Toleranzfeld: ISO 2 (6H)
Geschliffenes Gewinde
Form C 2-3 Gang Anschnitt

Метчици машинни къси
с винтови канали R15° за метрична ISO резба по DIN 13
Клас на точност: ISO 2 (6H)
Шлифована резба
Форма C 2-3 навивки конус





M DIN 352 R15°

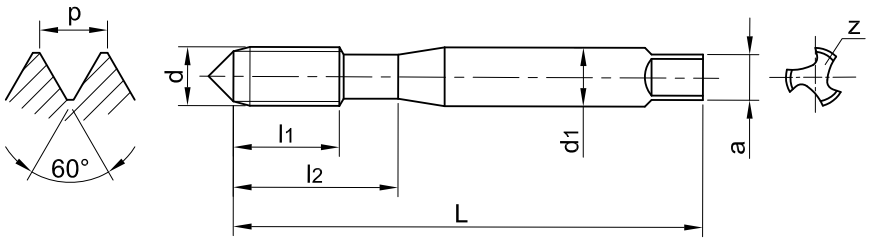
d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 2605*..
M3	0.5	40	11	3.5	2.7	3	2.5	2605M3
M3.5	0.6	45	13	4.0	3.0	3	2.9	2605M3.5
M4	0.7	45	13	4.5	3.4	3	3.3	2605M4
M4.5	0.75	48	16	6.0	4.9	3	3.7	2605M4.5
M5	0.8	48	16	6.0	4.9	3	4.2	2605M5
M6	1.0	50	19	6.0	4.9	3	5.0	2605M6
M7	1.0	50	19	6.0	4.9	3	6.0	2605M7
M8	1.25	56	22	6.0	4.9	3	6.8	2605M8
M9	1.25	63	22	7.0	5.5	3	7.8	2605M9
M10	1.5	70	24	7.0	5.5	3	8.5	2605M10
M11	1.5	70	24	8.0	6.2	3	9.5	2605M11
M12	1.75	75	29	9.0	7.0	3	10.2	2605M12
M14	2.0	80	30	11.0	9.0	3	12.0	2605M14
M16	2.0	80	32	12.0	9.0	3	14.0	2605M16
M18	2.5	95	40	14.0	11.0	4	15.5	2605M18
M20	2.5	95	40	16.0	12.0	4	17.5	2605M20
M22	2.5	100	40	18.0	14.5	4	19.5	2605M22
M24	3.0	110	50	18.0	14.5	4	21.0	2605M24

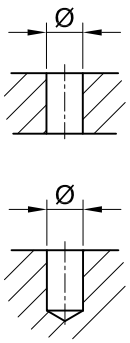
Ordering example: Short machine taps 2605M3 HSSE
Bestellbeispiel: Einschnittgewindebohrer 2605M3 HSSE
Начин на заявяване: Метчици машинни къси 2605M3 HSSE

Machine Taps
for ISO metric thread
according to DIN 13
Grade of fit: ISO 2 (6H)
Reinforced shank
Ground thread
Form A 6-8 threads chamfered
Form C 2-3 threads chamfered

Maschinengewindebohrer
für metrisches ISO-Regelgewinde
nach DIN 13
Toleranzfeld: ISO 2 (6H)
Verstärkter Schaft
Geschliffenes Gewinde
Form A 6-8 Gang Anschnitt
Form C 2-3 Gang Anschnitt

Метчици машинни
за метрична ISO резба
по DIN 13
Клас на точност: ISO 2 (6H)
Усилена опашка
Шлифована резба
Форма A 6-8 навивки конус
Форма C 2-3 навивки конус







M DIN 371

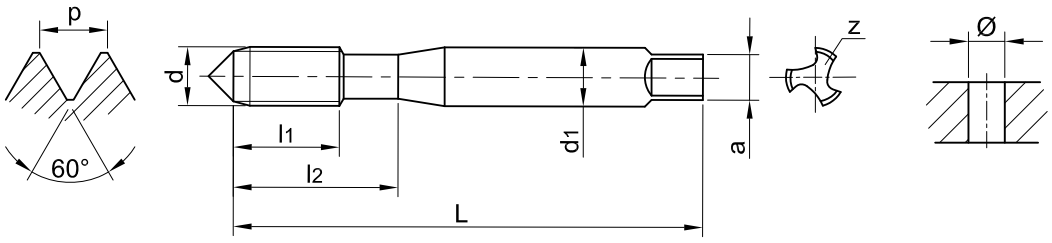
d	p mm	L mm	l1 mm	l2 mm	d1 mm	a mm	z	Ø	Art. No. A 2301*.. Art. No. C 2303*..
M2	0.4	45	8	9	2.8	2.1	3	1.6	..*M2
M2.3	0.4	45	9	10	2.8	2.1	3	1.9	..*M2.3
M2.5	0.45	50	9	10	2.8	2.1	3	2.05	..*M2.5
M2.6	0.45	50	9	10	2.8	2.1	3	2.15	..*M2.6
M3	0.5	56	11	18	3.5	2.7	3	2.5	..*M3
M3.5	0.6	56	13	20	4.0	3.0	3	2.9	..*M3.5
M4	0.7	63	13	21	4.5	3.4	3	3.3	..*M4
M4.5	0.75	70	16	25	6.0	4.9	3	3.7	..*M4.5
M5	0.8	70	16	25	6.0	4.9	3	4.2	..*M5
M6	1.0	80	19	30	6.0	4.9	3	5.0	..*M6
M7	1.0	80	19	30	7.0	5.5	3	6.0	..*M7
M8	1.25	90	22	35	8.0	6.2	3	6.8	..*M8
M9	1.25	90	22	35	9.0	7.0	3	7.8	..*M9
M10	1.5	100	24	39	10.0	8.0	3	8.5	..*M10

Ordering example: Machine taps 2301M2 HSSE
Bestellbeispiel: Maschinengewindebohrer 2301M2 HSSE
Начин на заявяване: Метчици машинни 2301M2 HSSE

Machine Taps
with spiral point for ISO metric thread according to DIN 13
Grade of fit: ISO 2 (6H)
Reinforced shank
Ground thread
Form B 4-5 threads chamfered

Maschinengewindebohrer
mit Schälanschnitt für metrisches ISO-Regelgewinde nach DIN 13
Toleranzfeld: ISO 2 (6H)
Verstärkter Schaft
Geschliffenes Gewinde
Form B 4-5 Gang Anschnitt

Метчици машинни
с подточени канали за метрична ISO резба по DIN 13
Клас на точност: ISO 2 (6H)
Усилена опашка
Шлифована резба
Форма B 4-5 навивки конус





M DIN 371 B

d	p mm	L mm	l1 mm	l2 mm	d1 mm	a mm	z	Ø	Art. No. 2302*..
M2	0.4	45	8		2.8	2.1	3	1.6	2302M2
M2.5	0.45	50	9		2.8	2.1	3	2.05	2302M2.5
M3	0.5	56	11	18	3.5	2.7	3	2.5	2302M3
M3.5	0.6	56	13	20	4.0	3.0	3	2.9	2302M3.5
M4	0.7	63	13	21	4.5	3.4	3	3.3	2302M4
M4.5	0.75	70	16	25	6.0	4.9	3	3.7	2302M4.5
M5	0.8	70	16	25	6.0	4.9	3	4.2	2302M5
M6	1.0	80	19	30	6.0	4.9	3	5.0	2302M6
M7	1.0	80	19	30	7.0	5.5	3	6.0	2302M7
M8	1.25	90	22	35	8.0	6.2	3	6.8	2302M8
M9	1.25	90	22	35	9.0	7.0	3	7.8	2302M9
M10	1.5	100	24	39	10.0	8.0	3	8.5	2302M10

Ordering example: Machine taps 2302M2 HSSE
Bestellbeispiel: Maschinengewindebohrer 2302M2 HSSE
Начин на заявяване: Метчици машинни 2302M2 HSSE

Machine Taps

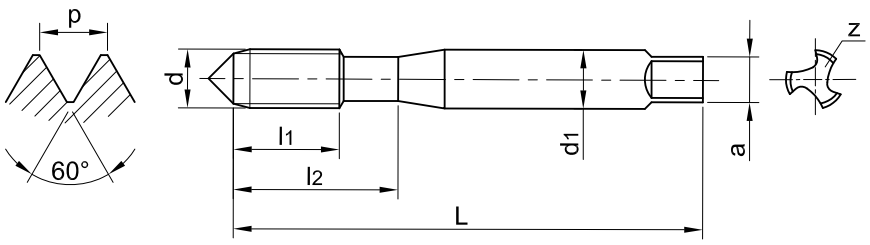
with spiral point and interrupted thread for ISO metric thread according to DIN 13
Grade of fit: ISO 2 (6H)
Reinforced shank
Ground thread
Form B 4-5 threads chamfered

Maschinengewindebohrer

mit Schälanschnitt und ausgesetzten Zähnen für metrisches ISO-Regelgewinde nach DIN 13
Toleranzfeld: ISO 2 (6H)
Verstärkter Schaft
Geschliffenes Gewinde
Form B 4-5 Gang Anschnitt

Метчици машинни

с подточени канали и разредени зъби за метрична ISO резба по DIN 13
Клас на точност: ISO 2 (6H)
Усилена опашка
Шлифована резба
Форма B 4-5 навивки конус





M DIN 371 B-AZ

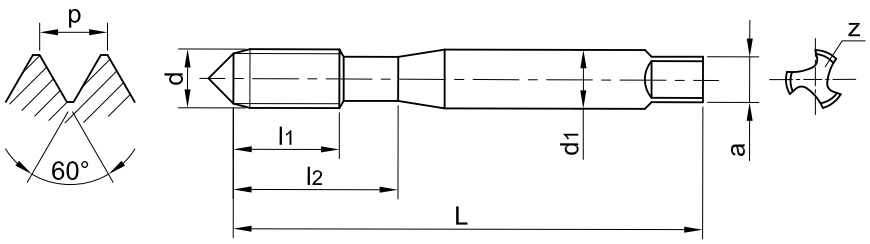
d	p mm	L mm	l1 mm	l2 mm	d1 mm	a mm	z	Ø	Art. No. 2308*..
M3	0.5	56	11	18	3.5	2.7	3	2.5	2308M3
M3.5	0.6	56	13	20	4.0	3.0	3	2.9	2308M3.5
M4	0.7	63	13	21	4.5	3.4	3	3.3	2308M4
M4.5	0.75	70	16	25	6.0	4.9	3	3.7	2308M4.5
M5	0.8	70	16	25	6.0	4.9	3	4.2	2308M5
M6	1.0	80	19	30	6.0	4.9	3	5.0	2308M6
M7	1.0	80	19	30	7.0	5.5	3	6.0	2308M7
M8	1.25	90	22	35	8.0	6.2	3	6.8	2308M8
M9	1.25	90	22	35	9.0	7.0	3	7.8	2308M9
M10	1.5	100	24	39	10.0	8.0	3	8.5	2308M10

Ordering example: Machine taps 2308M3 HSSE
Bestellbeispiel: Maschinengewindebohrer 2308M3 HSSE
Начин на заявяване: Метчици машинни 2308M3 HSSE

Machine Taps
with helical flutes R35° for ISO metric thread according to DIN 13
Grade of fit: ISO 2 (6H)
Reinforced shank
Ground thread
Form C 2-3 threads chamfered

Maschinengewindebohrer
drallgenutet R35° für metrisches ISO-Regelgewinde nach DIN 13
Toleranzfeld: ISO 2 (6H)
Verstärkter Schaft
Geschliffenes Gewinde
Form C 2-3 Gang Anschnitt

Метчици машинни
с винтови канали R35° за метрична ISO резба по DIN 13
Клас на точност: ISO 2 (6H)
Усилена опашка
Шлифована резба
Форма C 2-3 навивки конус





M DIN 371 R35°

d	p mm	L mm	l1 mm	l2 mm	d1 mm	a mm	z	Ø	Art. No. 2305*..
M2	0.4	45	6		2.8	2.1	3	1.6	2305M2
M2.5	0.45	50	6		2.8	2.1	3	2.05	2305M2.5
M3	0.5	56	6	18	3.5	2.7	3	2.5	2305M3
M3.5	0.6	56	7	20	4.0	3.0	3	2.9	2305M3.5
M4	0.7	63	7	21	4.5	3.4	3	3.3	2305M4
M4.5	0.75	70	8	25	6.0	4.9	3	3.7	2305M4.5
M5	0.8	70	8	25	6.0	4.9	3	4.2	2305M5
M6	1.0	80	10	30	6.0	4.9	3	5.0	2305M6
M7	1.0	80	10	30	7.0	5.5	3	6.0	2305M7
M8	1.25	90	14	35	8.0	6.2	3	6.8	2305M8
M9	1.25	90	14	35	9.0	7.0	3	7.8	2305M9
M10	1.5	100	16	39	10.0	8.0	3	8.5	2305M10

Ordering example: Machine taps 2305M2 HSSE
Bestellbeispiel: Maschinengewindebohrer 2305M2 HSSE
Начин на заявяване: Метчици машинни 2305M2 HSSE

Machine Taps

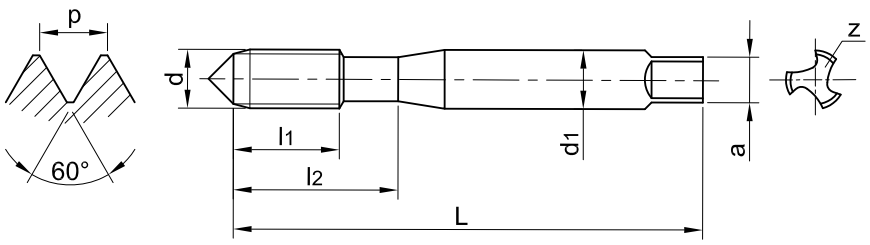
with helical flutes R15° for ISO metric thread according to DIN 13
Grade of fit: ISO 2 (6H)
Reinforced shank
Ground thread
Form C 2-3 threads chamfered

Maschinengewindebohrer

drallgenutet R15° für metrisches ISO-Regelgewinde nach DIN 13
Toleranzfeld: ISO 2 (6H)
Verstärkter Schaft
Geschliffenes Gewinde
Form C 2-3 Gang Anschnitt

Метчици машинни

с винтови канали R15° за метрична ISO резба по DIN 13
Клас на точност: ISO 2 (6H)
Усилена опашка
Шлифована резба
Форма C 2-3 навивки конус





M DIN 371 R15°

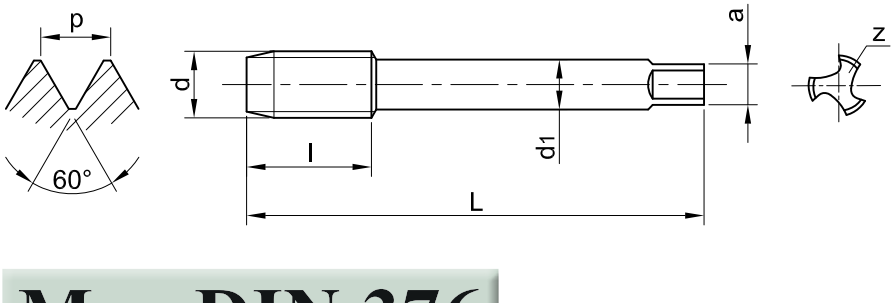
d	p mm	L mm	l1 mm	l2 mm	d1 mm	a mm	z	Ø	Art. No. 2304*..
M3	0.5	56	11	18	3.5	2.7	3	2.5	2304M3
M3.5	0.6	56	13	20	4.0	3.0	3	2.9	2304M3.5
M4	0.7	63	13	21	4.5	3.4	3	3.3	2304M4
M4.5	0.75	70	16	25	6.0	4.9	3	3.7	2304M4.5
M5	0.8	70	16	25	6.0	4.9	3	4.2	2304M5
M6	1.0	80	19	30	6.0	4.9	3	5.0	2304M6
M7	1.0	80	19	30	7.0	5.5	3	6.0	2304M7
M8	1.25	90	22	35	8.0	6.2	3	6.8	2304M8
M9	1.25	90	22	35	9.0	7.0	3	7.8	2304M9
M10	1.5	100	24	39	10.0	8.0	3	8.5	2304M10

Ordering example: Machine taps 2304M3 HSSE
Bestellbeispiel: Maschinengewindebohrer 2304M3 HSSE
Начин на заявяване: Метчици машинни 2304M3 HSSE

Machine Taps
for ISO metric thread
according to DIN 13
Grade of fit: ISO 2 (6H)
Passing shank
Ground thread
Form A 6-8 threads chamfered
Form C 2-3 threads chamfered

Maschinengewindebohrer
für metrisches ISO-Regelgewinde
nach DIN 13
Toleranzfeld: ISO 2 (6H)
Überlaufschaft
Geschliffenes Gewinde
Form A 6-8 Gang Anschnitt
Form C 2-3 Gang Anschnitt

Метчици машинни
за метрична ISO резба
по DIN 13
Клас на точност: ISO 2 (6H)
Преминаваща опашка
Шлифована резба
Форма A 6-8 навивки конус
Форма C 2-3 навивки конус





M DIN 376

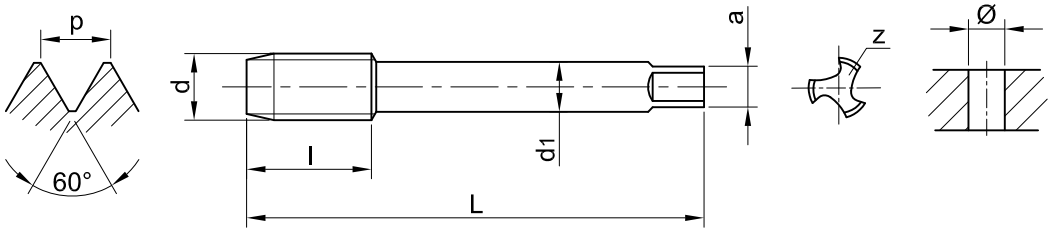
d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. A 2401*.. Art. No. C 2403*..
M3	0.5	56	11	2.2	-	3	2.5	..*M3
M3.5	0.6	56	13	2.5	2.1	3	2.9	..*M3.5
M4	0.7	63	13	2.8	2.1	3	3.3	..*M4
M4.5	0.75	70	16	3.5	2.7	3	3.7	..*M4.5
M5	0.8	70	16	3.5	2.7	3	4.2	..*M5
M6	1.0	80	19	4.5	3.4	3	5.0	..*M6
M7	1.0	80	19	5.5	4.3	3	6.0	..*M7
M8	1.25	90	22	6	4.9	3	6.8	..*M8
M9	1.25	90	22	7	5.5	3	7.8	..*M9
M10	1.5	100	24	7	5.5	3	8.5	..*M10
M11	1.5	100	24	8	6.2	3	9.5	..*M11
M12	1.75	110	29	9	7	3	10.2	..*M12
M14	2.0	110	30	11	9	3	12.0	..*M14
M16	2.0	110	32	12	9	3	14.0	..*M16
M18	2.5	125	34	14	11	4	15.5	..*M18
M20	2.5	140	34	16	12	4	17.5	..*M20
M22	2.5	140	34	18	14.5	4	19.5	..*M22
M24	3.0	160	38	18	14.5	4	21.0	..*M24
M27	3.0	160	38	20	16	4	24.0	..*M27
M30	3.5	180	45	22	18	4	26.5	..*M30
M33	3.5	180	50	25	20	4	29.5	..*M33
M36	4.0	200	56	28	22	4	32.0	..*M36
M39	4.0	200	60	32	24	4	35.0	..*M39
M42	4.5	200	60	32	24	4	37.5	..*M42
M45	4.5	220	65	36	29	4	40.5	..*M45
M48	5.0	250	70	36	29	4	43.0	..*M48
M52	5.0	250	70	40	32	4	47.0	..*M52

Ordering example: Machine taps 2401M3 HSSE
Bestellbeispiel: Maschinengewindebohrer 2401M3 HSSE
Начин на заявяване: Метчици машинни 2401M3 HSSE

Machine Taps
with spiral point for ISO metric thread according to DIN 13
Grade of fit: ISO 2 (6H)
Passing shank
Ground thread
Form B 4-5 threads chamfered

Maschinengewindebohrer
mit Schälanschnitt für metrisches ISO-Regelgewinde nach DIN 13
Toleranzfeld: ISO 2 (6H)
Überlaufschaft
Geschliffenes Gewinde
Form B 4-5 Gang Anschnitt

Метчици машинни
с подточени канали за метрична ISO резба по DIN 13
Клас на точност: ISO 2 (6H)
Преминаваща опашка
Шлифована резба
Форма B 4-5 навивки конус





M DIN 376 B

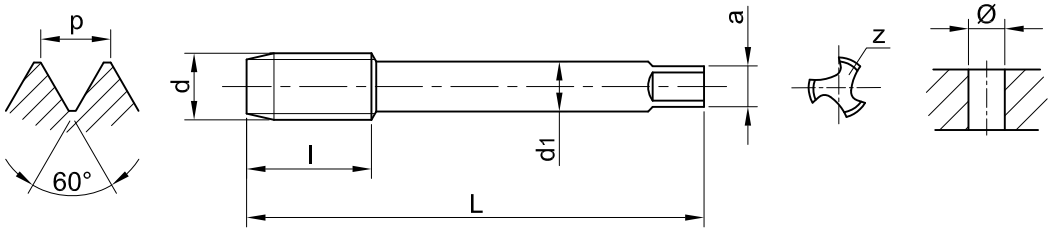
d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 2402*..
M3	0.5	56	11	2.2	1.8	3	2.5	2402M3
M3.5	0.6	56	13	2.5	2.1	3	2.9	2402M3.5
M4	0.7	63	13	2.8	2.1	3	3.3	2402M4
M4.5	0.75	70	16	3.5	2.7	3	3.7	2402M4.5
M5	0.8	70	16	3.5	2.7	3	4.2	2402M5
M6	1.0	80	19	4.5	3.4	3	5.0	2402M6
M7	1.0	80	19	5.5	4.3	3	6.0	2402M7
M8	1.25	90	22	6	4.9	3	6.8	2402M8
M9	1.25	90	22	7	5.5	3	7.8	2402M9
M10	1.5	100	24	7	5.5	3	8.5	2402M10
M11	1.5	100	24	8	6.2	3	9.5	2402M11
M12	1.75	110	29	9	7	3	10.2	2402M12
M14	2.0	110	30	11	9	3	12.0	2402M14
M16	2.0	110	32	12	9	3	14.0	2402M16
M18	2.5	125	34	14	11	4	15.5	2402M18
M20	2.5	140	34	16	12	4	17.5	2402M20
M22	2.5	140	34	18	14.5	4	19.5	2402M22
M24	3.0	160	38	18	14.5	4	21.0	2402M24
M27	3.0	160	38	20	16	4	24.0	2402M27
M30	3.5	180	45	22	18	4	26.5	2402M30
M33	3.5	180	50	25	20	4	29.5	2402M33
M36	4.0	200	56	28	22	4	32.0	2402M36
M39	4.0	200	60	32	24	4	35.0	2402M39
M42	4.5	200	60	32	24	4	37.5	2402M42
M45	4.5	220	65	36	29	4	40.5	2402M45
M48	5.0	250	70	36	29	4	43.0	2402M48
M52	5.0	250	70	40	32	4	47.0	2402M52

Ordering example: Machine taps 2402M3 HSSE
Bestellbeispiel: Maschinengewindebohrer 2402M3 HSSE
Начин на заявяване: Метчици машинни 2402M3 HSSE

Machine Taps
with spiral point and interrupted thread for ISO metric thread according to DIN 13
Grade of fit: ISO 2 (6H)
Passing shank
Ground thread
Form B 4-5 threads chamfered

Maschinengewindebohrer
mit Schälanschnitt und ausgesetzten Zähnen für metrisches ISO-Regelgewinde nach DIN 13
Toleranzfeld: ISO 2 (6H)
Überlaufschaft
Geschliffenes Gewinde
Form B 4-5 Gang Anschnitt

Метчици машинни
с подточени канали и разредени зъби за метрична ISO резба по DIN 13
Клас на точност: ISO 2 (6H)
Преминаваща опашка
Шлифована резба
Форма B 4-5 навивки конус





M DIN 376 B-AZ

d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 2408*..
M3	0.5	56	11	2.2	1.8	3	2.5	2408M3
M3.5	0.6	56	13	2.5	2.1	3	2.9	2408M3.5
M4	0.7	63	13	2.8	2.1	3	3.3	2408M4
M4.5	0.75	70	16	3.5	2.7	3	3.7	2408M4.5
M5	0.8	70	16	3.5	2.7	3	4.2	2408M5
M6	1.0	80	19	4.5	3.4	3	5.0	2408M6
M7	1.0	80	19	5.5	4.3	3	6.0	2408M7
M8	1.25	90	22	6	4.9	3	6.8	2408M8
M9	1.25	90	22	7	5.5	3	7.8	2408M9
M10	1.5	100	24	7	5.5	3	8.5	2408M10
M11	1.5	100	24	8	6.2	3	9.5	2408M11
M12	1.75	110	29	9	7	3	10.2	2408M12
M14	2.0	110	30	11	9	3	12.0	2408M14
M16	2.0	110	32	12	9	3	14.0	2408M16
M18	2.5	125	34	14	11	3	15.5	2408M18
M20	2.5	140	34	16	12	3	17.5	2408M20
M22	2.5	140	34	18	14.5	3	19.5	2408M22
M24	3.0	160	38	18	14.5	3	21.0	2408M24
M27	3.0	160	38	20	16	3	24.0	2408M27
M30	3.5	180	45	22	18	3	26.5	2408M30

Ordering example: Machine taps 2408M3 HSSE
Bestellbeispiel: Maschinengewindebohrer 2408M3 HSSE
Начин на заявяване: Метчици машинни 2408M3 HSSE

Machine Taps

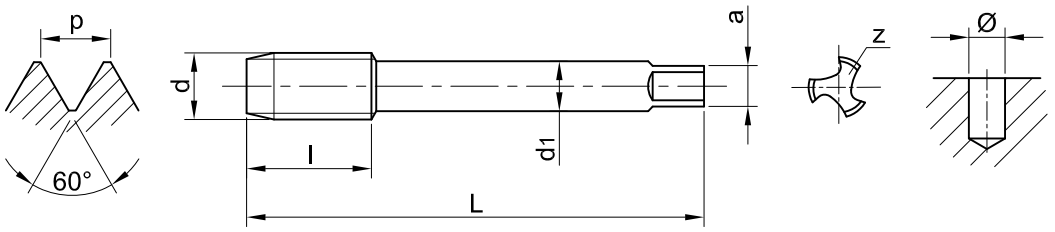
with helical flutes R35° for ISO metric thread according to DIN 13
Grade of fit: ISO 2 (6H)
Passing shank
Ground thread
Form C 2-3 threads chamfered

Maschinengewindebohrer

drallgenutet R35° für metrisches ISO-Regelgewinde nach DIN 13
Toleranzfeld: ISO 2 (6H)
Überlaufschaft
Geschliffenes Gewinde
Form C 2-3 Gang Anschnitt

Метчици машинни

с винтови канали R35° за метрична ISO резба по DIN 13
Клас на точност: ISO 2 (6H)
Преминаваща опашка
Шлифована резба
Форма C 2-3 навивки конус





M DIN 376 R35°

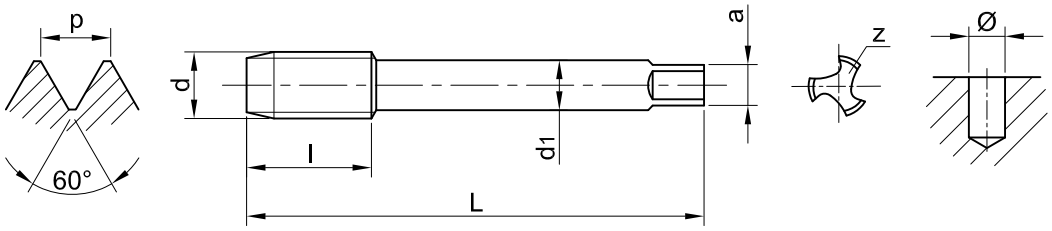
d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 2406*..
M3	0.5	56	6	2.2	-	3	2.5	2406M3
M3.5	0.6	56	7	2.5	2.1	3	2.9	2406M3.5
M4	0.7	63	7	2.8	2.1	3	3.3	2406M4
M4.5	0.75	70	8	3.5	2.7	3	3.7	2406M4.5
M5	0.8	70	8	3.5	2.7	3	4.2	2406M5
M6	1.0	80	10	4.5	3.4	3	5.0	2406M6
M7	1.0	80	10	5.5	4.3	3	6.0	2406M7
M8	1.25	90	14	6	4.9	3	6.8	2406M8
M9	1.25	90	14	7	5.5	3	7.8	2406M9
M10	1.5	100	16	7	5.5	3	8.5	2406M10
M11	1.5	100	16	8	6.2	3	9.5	2406M11
M12	1.75	110	18	9	7	3	10.2	2406M12
M14	2.0	110	20	11	9	3	12.0	2406M14
M16	2.0	110	22	12	9	3	14.0	2406M16
M18	2.5	125	25	14	11	4	15.5	2406M18
M20	2.5	140	25	16	12	4	17.5	2406M20
M22	2.5	140	27	18	14.5	4	19.5	2406M22
M24	3.0	160	30	18	14.5	4	21.0	2406M24
M27	3.0	160	30	20	16	4	24.0	2406M27
M30	3.5	180	35	22	18	4	26.5	2406M30
M33	3.5	180	35	25	20	4	29.5	2406M33
M36	4.0	200	40	28	22	4	32.0	2406M36
M39	4.0	200	40	32	24	4	35.0	2406M39
M42	4.5	200	45	32	24	4	37.5	2406M42
M45	4.5	220	45	36	29	4	40.5	2406M45
M48	5.0	250	50	36	29	4	43.0	2406M48
M52	5.0	250	50	40	32	4	47.0	2406M52

Ordering example: Machine taps 2406M3 HSSE
Bestellbeispiel: Maschinengewindebohrer 2406M3 HSSE
Начин на заявяване: Метчици машинни 2406M3 HSSE

Machine Taps
with helical flutes R15° for ISO metric thread according to DIN 13
Grade of fit: ISO 2 (6H)
Passing shank
Ground thread
Form C 2-3 threads chamfered

Maschinengewindebohrer
drallgenutet R15° für metrisches ISO-Regelgewinde nach DIN 13
Toleranzfeld: ISO 2 (6H)
Überlaufschaft
Geschliffenes Gewinde
Form C 2-3 Gang Anschnitt

Метчици машинни
с винтови канали R15° за метрична ISO резба по DIN 13
Клас на точност: ISO 2 (6H)
Преминаваща опашка
Шлифована резба
Форма C 2-3 навивки конус





M DIN 376 R15°

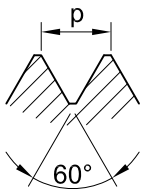
d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 2405*..
M3	0.5	56	11	2.2	-	3	2.5	2405M3
M3.5	0.6	56	13	2.5	2.1	3	2.9	2405M3.5
M4	0.7	63	13	2.8	2.1	3	3.3	2405M4
M4.5	0.75	70	16	3.5	2.7	3	3.7	2405M4.5
M5	0.8	70	16	3.5	2.7	3	4.2	2405M5
M6	1.0	80	19	4.5	3.4	3	5.0	2405M6
M7	1.0	80	19	5.5	4.3	3	6.0	2405M7
M8	1.25	90	22	6	4.9	3	6.8	2405M8
M9	1.25	90	22	7	5.5	3	7.8	2405M9
M10	1.5	100	24	7	5.5	3	8.5	2405M10
M11	1.5	100	24	8	6.2	3	9.5	2405M11
M12	1.75	110	29	9	7	3	10.2	2405M12
M14	2.0	110	30	11	9	3	12.0	2405M14
M16	2.0	110	32	12	9	3	14.0	2405M16
M18	2.5	125	34	14	11	4	15.5	2405M18
M20	2.5	140	34	16	12	4	17.5	2405M20
M22	2.5	140	34	18	14.5	4	19.5	2405M22
M24	3.0	160	38	18	14.5	4	21.0	2405M24
M27	3.0	160	38	20	16	4	24.0	2405M27
M30	3.5	180	45	22	18	4	26.5	2405M30

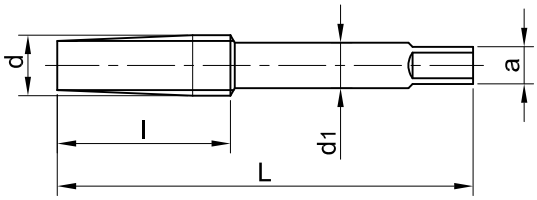
Ordering example: Machine taps 2405M3 HSSE
Bestellbeispiel: Maschinengewindebohrer 2405M3 HSSE
Начин на заявяване: Метчици машинни 2405M3 HSSE

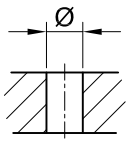
Machine Nut Taps
for ISO metric thread
according to DIN 13
Grade of fit: ISO 2 (6H)
Ground thread

Muttergewindebohrer
für metrisches ISO-Regelgewinde
nach DIN 13
Toleranzfeld: ISO 2 (6H)
Geschliffenes Gewinde

Метчици гайкови
за метрична ISO резба
по DIN 13
Клас на точност: ISO 2 (6H)
Шлифована резба









M DIN 357

d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 290*..
M3	0.5	70	22	2.2		3	2.5	290M3
M3.5	0.6	80	25	2.5	2.1	3	2.9	290M3.5
M4	0.7	90	25	2.8	2.1	3	3.3	290M4
M4.5	0.75	100	28	3.5	2.7	3	3.7	290M4.5
M5	0.8	100	28	3.5	2.7	3	4.2	290M5
M6	1.0	110	32	4.5	3.4	3	5.0	290M6
M7	1.0	110	36	5.5	4.3	3	6.0	290M7
M8	1.25	125	40	6	4.9	3	6.8	290M8
M9	1.25	140	40	7	5.5	3	7.8	290M9
M10	1.5	140	45	7	5.5	3	8.5	290M10
M11	1.5	160	45	8	6.2	3	9.5	290M11
M12	1.75	180	50	9	7.0	3	10.2	290M12
M14	2.0	200	56	11	9.0	3	12.0	290M14
M16	2.0	200	63	12	9.0	3	14.0	290M16
M18	2.5	220	63	14	11.0	4	15.5	290M18
M20	2.5	250	70	16	12.0	4	17.5	290M20
M22	2.5	280	80	18	14.5	4	19.5	290M22
M24	3.0	280	80	18	14.5	4	21.0	290M24
M27	3.0	315	90	20	16.0	4	24.0	290M27
M30	3.5	315	100	22	18.0	4	26.5	290M30
M33	3.5	355	110	25	20.0	4	29.5	290M33
M36	4.0	400	110	28	22.0	4	32.0	290M36

Ordering example: Machine nut taps 290M3 HSSE
Bestellbeispiel: Muttergewindebohrer 290M3 HSSE
Начин на заявяване: Метчици гайкови 290M3 HSSE

Threadforming Machine Taps

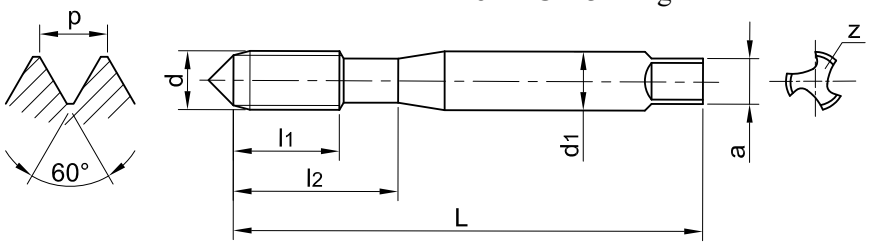
for ISO metric thread
according to DIN 13
Grade of fit: ISO 2 (6H)
Ground thread
Form D 4-5 threads chamfered
Form C 2-3 threads chamfered

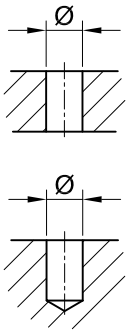
Maschinengewindeformer

für metrisches ISO-Regelgewinde
nach DIN 13
Toleranzfeld: ISO 2 (6H)
Geschliffenes Gewinde
Form D 4-5 Gang Anschnitt
Form C 2-3 Gang Anschnitt

Метчици машинни резбовалцоващи

за метрична ISO резба
по DIN 13
Клас на точност: ISO 2 (6H)
Шлифована резба
Форма D 4-5 навивки конус
Форма C 2-3 навивки конус





M DIN 371, DIN 376

d	p mm	L mm	l1 mm	l2 mm	d1 mm	a mm	z	Ø
DIN 371								
M3	0.5	56	11	18	3.5	2.7	3	2.8
M4	0.7	63	13	21	4.5	3.4	3	3.7
M5	0.8	70	16	25	6.0	4.9	5	4.65
M6	1.0	80	19	30	6.0	4.9	5	5.55
M8	1.25	90	22	35	8.0	6.2	5	7.45
M10	1.5	100	24	39	10.0	8.0	5	9.35
DIN 376								
M12	1.75	110	29		9.0	7.0	5	11.2
M14	2.0	110	30		11.0	9.0	5	13.1
M16	2.0	110	32		12.0	9.0	5	15.1








d	BLANK		VAP		TiN		With Oil Groves / Mit Schmiernuten / С канали за мазане					
							BLANK		VAP		TiN	
	Art. No. C	Art. No. D	Art. No. C	Art. No. D	Art. No. C	Art. No. D	Art. No. C	Art. No. D	Art. No. C	Art. No. D	Art. No. C	Art. No. D
M3	53030003	53040003	53030103	53040103	53030203	53040203	53031003	53041003	53031103	53041103	53031203	53041203
M4	53030004	53040004	53030104	53040104	53030204	53040204	53031004	53041004	53031104	53041104	53031204	53041204
M5	53030005	53040005	53030105	53040105	53030205	53040205	53031005	53041005	53031105	53041105	53031205	53041205
M6	53030006	53040006	53030106	53040106	53030206	53040206	53031006	53041006	53031106	53041106	53031206	53041206
M8	53030008	53040008	53030108	53040108	53030208	53040208	53031008	53041008	53031108	53041108	53031208	53041208
M10	53030010	53040010	53030110	53040110	53030210	53040210	53031010	53041010	53031110	53041110	53031210	53041210
M12	54030012	54040012	54030112	54040112	54030212	54040212	54031012	54041012	54031112	54041112	54031212	54041212
M14	54030014	54040014	54030114	54040114	54030214	54040214	54031014	54041014	54031114	54041114	54031214	54041214
M16	54030016	54040016	54030116	54040116	54030216	54040216	54031016	54041016	54031116	54041116	54031216	54041216

Ordering example: Threadforming Machine taps 53030003 HSSE
Bestellbeispiel: Maschinengewindeformer 53030003 HSSE
Начин на заявяване: Метчици машинни резбовалцоващи 53030003 HSSE

Machine Taps
Extra Long

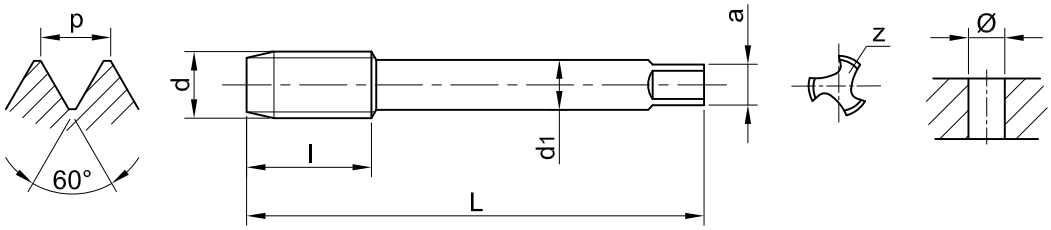
for ISO metric thread according to DIN 13
Grade of fit: ISO 2 (6H)
Passing shank
Ground thread
Spiral point
Form B 4-5 threads chamfered

Maschinengewindebohrer
Extra lang

für metrisches ISO-Regelgewinde nach DIN 13
Toleranzfeld: ISO 2 (6H)
Überlaufschaft
Geschliffenes Gewinde
mit Schälanschnitt
Form B 4-5 Gang Anschnitt

Метчици машинни
удължени

за метрична ISO резба по DIN 13
Клас на точност: ISO 2 (6H)
Преминаваща опашка
Шлифована резба
с подточени канали
Форма B 4-5 навивки конус





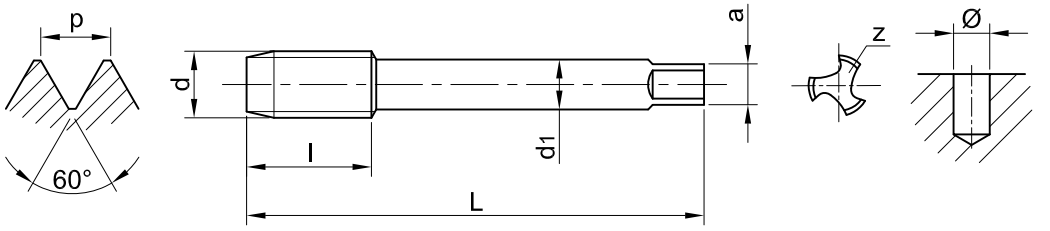
M DIN 376 B EL

d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 2402EL*..
M3	0.5	70	11	2.2	1.8	3	2.5	2402ELM3
M4	0.7	90	13	2.8	2.1	3	3.3	2402ELM4
M5	0.8	100	16	3.5	2.7	3	4.2	2402ELM5
M6	1.0	110	19	4.5	3.4	3	5.0	2402ELM6
M8	1.25	125	22	6	4.9	3	6.8	2402ELM8
M10	1.5	140	24	7	5.5	3	8.5	2402ELM10
M12	1.75	180	29	9	7	3	10.2	2402ELM12
M14	2.0	200	30	11	9	3	12.0	2402ELM14
M16	2.0	200	32	12	9	3	14.0	2402ELM16

Helical flutes R35°
Form C 2-3 threads chamfered

Nutenform 35° Rechtsdrall
Form C 2-3 Gang Anschnitt

С десни винтови канали 35°
Форма C 2-3 навивки конус





M DIN 376 R35° EL

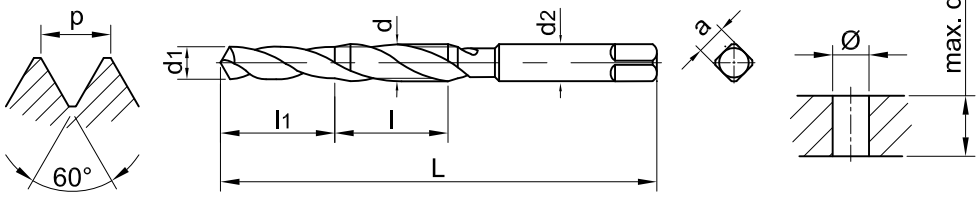
d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 2406EL*..
M3	0.5	70	6	2.2	1.8	3	2.5	2406ELM3
M4	0.7	90	7	2.8	2.1	3	3.3	2406ELM4
M5	0.8	100	8	3.5	2.7	3	4.2	2406ELM5
M6	1.0	110	10	4.5	3.4	3	5.0	2406ELM6
M8	1.25	125	14	6	4.9	3	6.8	2406ELM8
M10	1.5	140	16	7	5.5	3	8.5	2406ELM10
M12	1.75	180	18	9	7	3	10.2	2406ELM12
M14	2.0	200	20	11	9	3	12.0	2406ELM14
M16	2.0	200	22	12	9	3	14.0	2406ELM16

Ordering example: Machine taps 2402ELM3 HSSE
Bestellbeispiel: Maschinengewindebohrer 2402ELM3 HSSE
Начин на заявяване: Метчици машинни 2402ELM3 HSSE

Combined Taps
for ISO metric thread according to DIN 13
Grade of fit: ISO 2 (6H)
Squared shank
Ground thread

Kombigewindebohrer
für metrisches ISO-Regelgewinde nach DIN 13
Toleranzfeld: ISO 2 (6H)
mit Vierkant
Geschliffenes Gewinde

Свредло-метчици
за метрична ISO резба по DIN 13
Клас на точност: ISO 2 (6H)
Опашка с квадрат
Шлифована резба





M

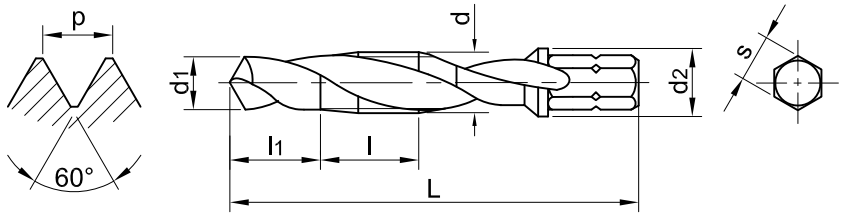
d	p mm	L mm	l1 mm	l mm	d1 mm	d2 mm	a mm	Art. No. 811*..
M3	0.5	56	16	11	2.5	3	2.4	811M3
M4	0.7	63	18	14	3.3	4	3.0	811M4
M5	0.8	71	20	18	4.2	5	3.8	811M5
M6	1.0	80	22	22	5.0	6	4.9	811M6
M8	1.25	95	26	26	6.8	8	6.2	811M8
M10	1.5	106	30	30	8.5	10	8.0	811M10
M12	1.75	115	32	32	10.2	12	9.0	811M12

Ordering example: Combined taps 811M3 HSS
Bestellbeispiel: Kombigewindebohrer 811M3 HSS
Начин на заявяване: Свредло-метчици 811M3 HSS

Combined Taps
for ISO metric thread according to DIN 13
Grade of fit: ISO 2 (6H)
Hexagonal shank
Ground thread

Kombigewindebohrer
für metrisches ISO-Regelgewinde nach DIN 13
Toleranzfeld: ISO 2 (6H)
mit Sechskant
Geschliffenes Gewinde

Свредло-метчици
за метрична ISO резба по DIN 13
Клас на точност: ISO 2 (6H)
Опашка шестостен
Шлифована резба





M

d	p mm	L mm	l1 mm	l mm	d1 mm	d2 mm	s mm	Art. No. 821*..
M3	0.5	36	5	6	2.5	7.18	6.35	821M3
M4	0.7	39	6	8	3.3	7.18	6.35	821M4
M5	0.8	41	7	9	4.2	7.18	6.35	821M5
M6	1.0	44	8	11	5.0	7.18	6.35	821M6
M8	1.25	51	11	14	6.8	8.8	6.35	821M8
M10	1.5	59	15	15	8.5	11.0	6.35	821M10

In one working stroke
Hole drilling
Thread cutting (tapping)
Thread deburring
Cleaning

Application in:
Stationary drilling machine
Hand drilling machine
Akku-drill-machine

Suitable for:
Steel and non-ferrous metal up to 1xd (M6=6mm material thickness) up to 600 N/mm² tensile strength

In einem Arbeitsgang
Kernlochbohren mit Spiralbohrer
Gewinde schneiden
Gewinde entgraten
Gewinde säubern (beim Rücklauf)

Einsatz in
Stationären Bohrmaschinen
Handbohrmaschinen
Akku-bohrmaschinen

Geeingnet für
Stahl und NE-Metalle bis 1xd (M6=6mm Materialstärke) bis 600 N/mm² Zugfestigkeit

С един работен ход
Пробиване чрез спирален свредел
Нарязване резба
Зенковане
Почистване

Пложение в:
Стационарни бормашини
Ръчни бормашини
Акумулаторни бормашини

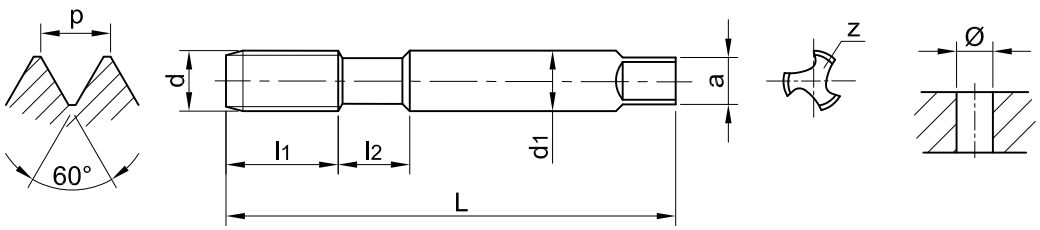
Подходящи за:
стомана и цветни метали до 1xd (M6=6mm - дебелина на материала) до 600 N/mm² якост на опън

Ordering example: Combined taps 821M3 HSS
Bestellbeispiel: Kombigewindebohrer 821M3 HSS
Начин на заявяване: Свредло-метчици 821M3 HSS

Machine Taps
with spiral point
for ISO metric thread
according to DIN 13
Grade of fit: ISO 2 (6H)
Ground thread
Form B 4-5 threads chamfered

Maschinengewindebohrer
mit Schälanschnitt
für metrisches ISO-Regelgewinde
nach DIN 13
Toleranzfeld: ISO 2 (6H)
Geschliffenes Gewinde
Form B 4-5 Gang Anschnitt

Метчици машинни
с подточени канали
за метрична ISO резба
по DIN 13
Клас на точност: ISO 2 (6H)
Шлифована резба
Форма B 4-5 навивки конус





M ISO 529 B

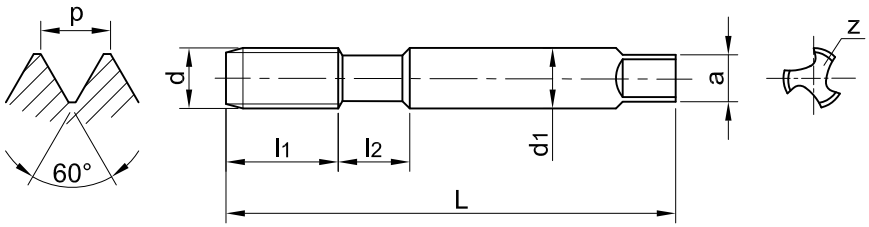
d	p mm	L mm	l1 mm	l2 mm	d1 mm	a mm	z	Ø	Art. No. 3402*..
M2	0.4	41	8		2.5	2.0	3	1.6	3402M2
M2.5	0.45	44.5	9.5		2.8	2.24	3	2.05	3402M2.5
M2.6	0.45	44.5	9.5		2.8	2.24	3	2.15	3402M2.6
M3	0.5	48	11	7	3.15	2.5	3	2.5	3402M3
M3.5	0.6	50	13	7	3.55	2.8	3	2.9	3402M3.5
M4	0.7	53	13	8	4.0	3.15	3	3.3	3402M4
M4.5	0.75	53	13	8	4.5	3.55	3	3.7	3402M4.5
M5	0.8	58	16	9	5.0	4.0	3	4.2	3402M5
M6	1.0	66	19	11	6.3	5.0	3	5.0	3402M6
M7	1.0	66	19	11	7.1	5.6	3	6.0	3402M7
M8	1.25	72	22	13	8.0	6.3	3	6.8	3402M8
M9	1.25	72	22	14	9.0	7.1	3	7.8	3402M9
M10	1.5	80	24	15	10.0	8.0	3	8.5	3402M10
M11	1.5	85	25		8.0	6.3	3	9.5	3402M11
M12	1.75	89	29		9.0	7.1	3	10.2	3402M12
M14	2.0	95	30		11.2	9.0	3	12.0	3402M14
M16	2.0	102	32		12.5	10.0	3	14.0	3402M16
M18	2.5	112	37		14.0	11.2	3	15.5	3402M18
M20	2.5	112	37		14.0	11.2	3	17.5	3402M20
M22	2.5	118	38		16.0	12.5	3	19.5	3402M22
M24	3.0	130	45		18.0	14.0	3	21.0	3402M24
M27	3.0	135	45		20.0	16.0	3	24.0	3402M27
M30	3.5	138	48		20.0	16.0	3	26.5	3402M30
M33	3.5	151	51		22.4	18.0	4	29.5	3402M33
M36	4.0	162	57		25.0	20.0	4	32.0	3402M36
M39	4.0	170	60		28.0	22.4	4	35.0	3402M39
M42	4.5	170	60		28.0	22.4	4	37.5	3402M42
M45	4.5	187	67		31.5	25.0	6	40.5	3402M45
M48	5.0	187	67		31.5	25.0	6	43.0	3402M48
M52	5.0	200	70		35.5	28.0	6	47.0	3402M52

Ordering example: Machine taps 3402M2 HSSE
Bestellbeispiel: Maschinengewindebohrer 3402M2 HSSE
Начин на заявяване: Метчици машинни 3402M2 HSSE

Machine Taps
with spiral point and interrupted thread for ISO metric thread according to DIN 13
Grade of fit: ISO 2 (6H)
Ground thread
Form B-AZ 4-5 threads chamfered

Maschinengewindebohrer
mit Schälanschnitt und ausgesetzten Zähnen für metrisches ISO-Regelgewinde nach DIN 13
Toleranzfeld: ISO 2 (6H)
Geschliffenes Gewinde
Form B-AZ 4-5 Gang Anschnitt

Метчици машинни
с подточени канали и разредени зъби за метрична ISO резба по DIN 13
Клас на точност: ISO 2 (6H)
Шлифована резба
Форма B-AZ 4-5 навивки конус





M ISO 529 B-AZ

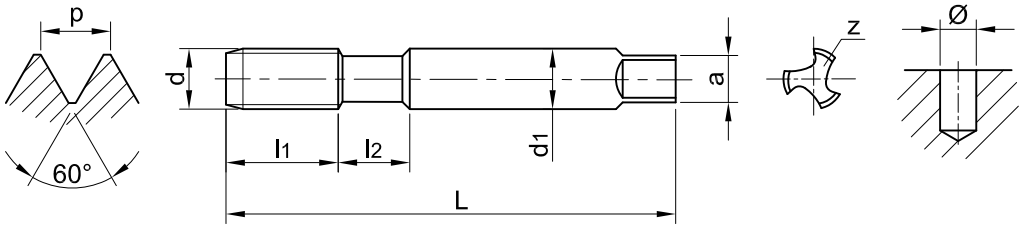
d	p mm	L mm	l1 mm	l2 mm	d1 mm	a mm	z	Ø	Art. No. 3408*..
M3	0.5	48	11	7	3.15	2.5	3	2.5	3408M3
M4	0.7	53	13	8	4.0	3.15	3	3.3	3408M4
M5	0.8	58	16	9	5.0	4.0	3	4.2	3408M5
M6	1.0	66	19	11	6.3	5.0	3	5.0	3408M6
M8	1.25	72	22	13	8.0	6.3	3	6.8	3408M8
M10	1.5	80	24	15	10.0	8.0	3	8.5	3408M10
M12	1.75	89	29		9.0	7.1	3	10.2	3408M12
M14	2.0	95	30		11.2	9.0	3	12.0	3408M14
M16	2.0	102	32		12.5	10.0	3	14.0	3408M16
M18	2.5	112	37		14.0	11.2	3	15.5	3408M18
M20	2.5	112	37		14.0	11.2	3	17.5	3408M20
M22	2.5	118	38		16.0	12.5	3	19.5	3408M22
M24	3.0	130	45		18.0	14.0	3	21.0	3408M24

Ordering example: Machine taps 3408M3 HSSE
Bestellbeispiel: Maschinengewindebohrer 3408M3 HSSE
Начин на заявяване: Метчици машинни 3408M3 HSSE

Machine Taps
with helical flutes R35°
for ISO metric thread
according to DIN 13
Grade of fit: ISO 2 (6H)
Ground thread
Form C 2-3 threads chamfered

Maschinengewindebohrer
drallgenutet R35°
für metrisches ISO-Regelgewinde
nach DIN 13
Toleranzfeld: ISO 2 (6H)
Geschliffenes Gewinde
Form C 2-3 Gang Anschnitt

Метчици машинни
с винтови канали R35°
за метрична ISO резба
по DIN 13
Клас на точност: ISO 2 (6H)
Шлифована резба
Форма C 2-3 навивки конус





M ISO 529 R35°

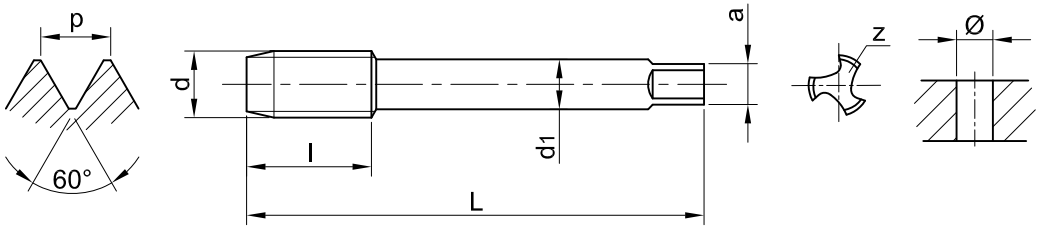
d	p mm	L mm	l1 mm	l2 mm	d1 mm	a mm	z	Ø	Art. No. 3406*..
M3	0.5	48	11	7	3.15	2.5	3	2.5	3406M3
M3.5	0.6	50	13	7	3.55	2.8	3	2.9	3406M3.5
M4	0.7	53	13	8	4.0	3.15	3	3.3	3406M4
M4.5	0.75	53	13	8	4.5	3.55	3	3.7	3406M4.5
M5	0.8	58	16	9	5.0	4.0	3	4.2	3406M5
M6	1.0	66	19	11	6.3	5.0	3	5.0	3406M6
M7	1.0	66	19	11	7.1	5.6	3	6.0	3406M7
M8	1.25	72	22	13	8.0	6.3	3	6.8	3406M8
M10	1.5	80	24	15	10.0	8.0	3	8.5	3406M10
M12	1.75	89	29		9.0	7.1	3	10.2	3406M12
M14	2.0	95	30		11.2	9.0	3	12.0	3406M14
M16	2.0	102	32		12.5	10.0	3	14.0	3406M16
M18	2.5	112	37		14.0	11.2	3	15.5	3406M18
M20	2.5	112	37		14.0	11.2	3	17.5	3406M20
M22	2.5	118	38		16.0	12.5	3	19.5	3406M22
M24	3.0	130	45		18.0	14.0	3	21.0	3406M24
M27	3.0	135	45		20.0	16.0	3	24.0	3406M27
M30	3.5	138	48		20.0	16.0	3	26.5	3406M30

Ordering example: Machine taps 3406M3 HSSE
Bestellbeispiel: Maschinengewindebohrer 3406M3 HSSE
Начин на заявяване: Метчици машинни 3406M3 HSSE

Machine Taps
with spiral point
for ISO metric thread
according to DIN 13
Grade of fit: ISO 2 (6H)
Ground thread
Form B 4-5 threads chamfered

Maschinengewindebohrer
mit Schälanschnitt
für metrisches ISO-Regelgewinde
nach DIN 13
Toleranzfeld: ISO 2 (6H)
Geschliffenes Gewinde
Form B 4-5 Gang Anschnitt

Метчици машинни
с подточени канали
за метрична ISO резба
по DIN 13
Клас на точност: ISO 2 (6H)
Шлифована резба
Форма B 4-5 навивки конус





M JIS B

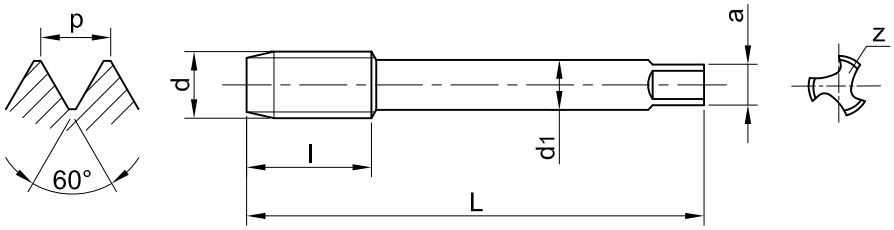
d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 4402*..
M2.6	0.45	44	9.5	3.0	2.5	3	2.15	4402M2.6x0.45
M3	0.5	46	11	4.0	3.2	3	2.5	4402M3x0.5
M3.5	0.6	48	13	4.0	3.2	3	2.9	4402M3.5x0.6
M4	0.7	52	13	5.0	4.0	3	3.3	4402M4x0.7
M5	0.8	60	16	5.5	4.5	3	4.2	4402M5x0.8
M6	1.0	62	19	6.0	4.5	3	5.0	4402M6x1
M7	1.0	65	19	6.2	5.0	3	6.0	4402M7x1
M8	1.25	70	22	6.2	5.0	3	6.8	4402M8x1.25
M10	1.5	75	24	7.0	5.5	3	8.5	4402M10x1.5
M12	1.75	82	29	8.5	6.5	3	10.2	4402M12x1.75
M14	2.0	88	30	10.5	8.0	3	12.0	4402M14x2
M16	2.0	95	32	12.5	10.0	3	14.0	4402M16x2
M18	2.5	100	37	14.0	11.0	3	15.5	4402M18x2.5
M20	2.5	105	37	15.0	12.0	3	17.5	4402M20x2.5
M22	2.5	115	38	17.0	13.0	3	19.5	4402M22x2.5
M24	3.0	120	45	19.0	15.0	3	21.0	4402M24x3
M27	3.0	130	45	20.0	15.0	4	24.0	4402M27x3
M30	3.5	135	48	23.0	17.0	4	26.5	4402M30x3.5

Ordering example: Machine taps 4402M2.6x0.45 HSSE
Bestellbeispiel: Maschinengewindebohrer 4402M2.6x0.45 HSSE
Начин на заявяване: Метчици мешинни 4402M2.6x0.45 HSSE

Machine Taps
with helical flutes R39°
for ISO metric thread
according to DIN 13
Grade of fit: ISO 2 (6H)
Ground thread
Form C 2-3 threads chamfered

Maschinengewindebohrer
drallgenutet R39°
für metrisches ISO-Regelgewinde
nach DIN 13
Toleranzfeld: ISO 2 (6H)
Geschliffenes Gewinde
Form C 2-3 Gang Anschnitt

Метчици машинни
с винтови канали R39°
за метрична ISO резба
по DIN 13
Клас на точност: ISO 2 (6H)
Шлифована резба
Форма C 2-3 навивки конус





M JIS R39°

d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 4407*..
M2.6	0.45	44	9.5	3.0	2.5	3	2.15	4407M2.6x0.45
M3	0.5	46	11	4.0	3.2	3	2.5	4407M3x0.5
M3.5	0.6	48	13	4.0	3.2	3	2.9	4407M3.5x0.6
M4	0.7	52	13	5.0	4.0	3	3.3	4407M4x0.7
M5	0.8	60	16	5.5	4.5	3	4.2	4407M5x0.8
M6	1.0	62	19	6.0	4.5	3	5.0	4407M6x1
M7	1.0	65	19	6.2	5.0	3	6.0	4407M7x1
M8	1.25	70	22	6.2	5.0	3	6.8	4407M8x1.25
M10	1.5	75	24	7.0	5.5	3	8.5	4407M10x1.5
M12	1.75	82	29	8.5	6.5	3	10.2	4407M12x1.75
M14	2.0	88	30	10.5	8.0	3	12.0	4407M14x2
M16	2.0	95	32	12.5	10.0	3	14.0	4407M16x2
M18	2.5	100	37	14.0	11.0	4	15.5	4407M18x2.5
M20	2.5	105	37	15.0	12.0	4	17.5	4407M20x2.5
M22	2.5	115	38	17.0	13.0	4	19.5	4407M22x2.5
M24	3.0	120	45	19.0	15.0	4	21.0	4407M24x3
M27	3.0	130	45	20.0	15.0	4	24.0	4407M27x3
M30	3.5	135	48	23.0	17.0	4	26.5	4407M30x3.5

Ordering example: Machine taps 4407M2.6x0.45 HSSE
Bestellbeispiel: Maschinengewindebohrer 4407M2.6x0.45 HSSE
Начин на заявяване: Метчици мешинни 4407M2.6x0.45 HSSE

Hand Taps

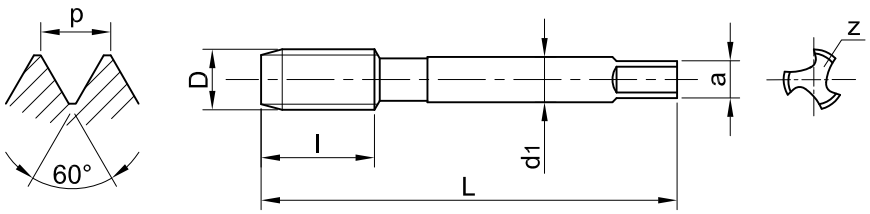
Set of 2 pieces for ISO metric
Fine thread according to DIN 13
Grade of fit: ISO 2 (6H)
Ground thread

Handgewindebohrer

Zweiteiliger Satz für metrisches
ISO-Feingewinde nach DIN 13
Toleranzfeld: ISO 2 (6H)
Geschliffenes Gewinde

Метчици ръчни

Комплект от 2 броя за метрична
ISO резба ситна стъпка по DIN 13
Клас на точност: ISO 2 (6H)
Шлифована резба





Mf DIN 2181

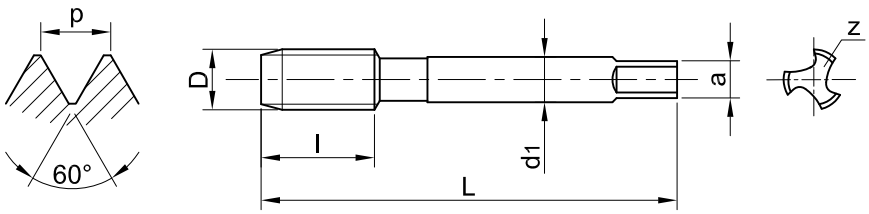
d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 120*..
M2.5	0.35	40	9	2.8	2.1	3	2.15	120M2.5x0.35
M3	0.35	40	9	3.5	2.7	3	2.65	120M3x0.35
M3.5	0.35	45	10	4.0	3.0	3	3.15	120M3.5x0.35
M4	0.35	45	10	4.5	3.4	3	3.65	120M4x0.35
M4	0.5	45	10	4.5	3.4	3	3.5	120M4x0.5
M4.5	0.5	50	12	6	4.9	3	4.0	120M4.5x0.5
M5	0.5	50	12	6	4.9	3	4.5	120M5x0.5
M5	0.75	50	12	6	4.9	3	4.25	120M5x0.75
M5.5	0.5	50	12	6	4.9	3	5.0	120M5.5x0.5
M6	0.5	50	14	6	4.9	3	5.5	120M6x0.5
M6	0.75	50	14	6	4.9	3	5.2	120M6x0.75
M7	0.75	50	14	6	4.9	3	6.2	120M7x0.75
M8	0.5	50	19	6	4.9	4	7.5	120M8x0.5
M8	0.75	50	19	6	4.9	4	7.2	120M8x0.75
M8	1.0	56	22	6	4.9	4	7.0	120M8x1
M9	0.75	56	19	7	5.5	4	8.2	120M9x0.75
M9	1.0	63	20	7	5.5	4	8.0	120M9x1
M10	0.75	63	20	7	5.5	4	9.2	120M10x0.75
M10	1.0	63	20	7	5.5	4	9.0	120M10x1
M10	1.25	70	24	7	5.5	4	8.8	120M10x1.25
M11	0.75	63	20	8	6.2	4	10.2	120M11x0.75
M11	1.0	63	20	8	6.2	4	10.0	120M11x1
M11	1.25	63	22	8	6.2	4	9.8	120M11x1.25
M12	0.5	70	22	9	7	4	11.5	120M12x0.5
M12	0.75	70	22	9	7	4	11.2	120M12x0.75
M12	1.0	70	22	9	7	4	11.0	120M12x1
M12	1.25	70	22	9	7	4	10.8	120M12x1.25
M12	1.5	70	22	9	7	4	10.5	120M12x1.5
M13	1.0	70	22	11	9	4	12.0	120M13x1
M13	1.5	70	22	11	9	4	11.5	120M13x1.5
M14	0.5	70	22	11	9	4	13.5	120M14x0.5
M14	0.75	70	22	11	9	4	13.2	120M14x0.75
M14	1.0	70	22	11	9	4	13.0	120M14x1
M14	1.25	70	22	11	9	4	12.8	120M14x1.25
M14	1.5	70	22	11	9	4	12.5	120M14x1.5
M15	1.0	70	22	12	9	4	14.0	120M15x1
M15	1.5	70	22	12	9	4	13.5	120M15x1.5
M16	1.0	70	22	12	9	4	15.0	120M16x1
M16	1.25	70	22	12	9	4	14.8	120M16x1.25
M16	1.5	70	22	12	9	4	14.5	120M16x1.5

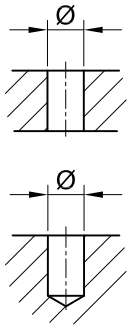
Ordering example: Hand taps 120M2.5x0.35 HSS - for 1 set /I, II/
Bestellbeispiel: Handgewindebohrer 120M2.5x0.35 HSS - für 1 Satz /I, II/
Начин на заявяване: Метчици ръчни 120M2.5x0.35 HSS - за 1 комплект /I, II/

Hand Taps
Set of 2 pieces for ISO metric
Fine thread according to DIN 13
Grade of fit: ISO 2 (6H)
Ground thread

Handgewindebohrer
Zweiteiliger Satz für metrisches
ISO-Feingewinde nach DIN 13
Toleranzfeld: ISO 2 (6H)
Geschliffenes Gewinde

Метчици ръчни
Комплект от 2 броя за метрична
ISO резба ситна стъпка по DIN 13
Клас на точност: ISO 2 (6H)
Шлифована резба







Mf DIN 2181

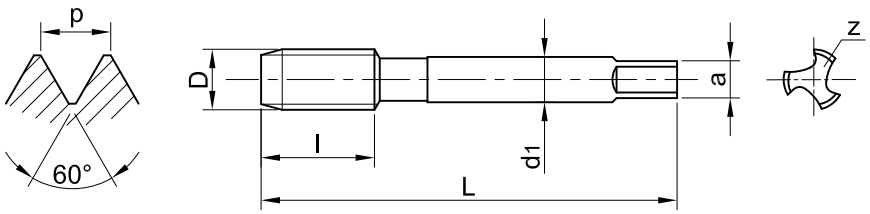
d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 120*..
M17	1.0	70	22	12	9	4	16.0	120M17x1
M17	1.5	70	22	12	9	4	15.5	120M17x1.5
M17	2.0	80	32	12	9	4	15.0	120M17x2
M18	1.0	80	22	14	11	4	17.0	120M18x1
M18	1.25	80	22	14	11	4	16.8	120M18x1.25
M18	1.5	80	22	14	11	4	16.5	120M18x1.5
M18	2.0	80	22	14	11	4	16.0	120M18x2
M20	1.0	80	22	16	12	4	19.0	120M20x1
M20	1.25	80	22	16	12	4	18.8	120M20x1.25
M20	1.5	80	22	16	12	4	18.5	120M20x1.5
M20	2.0	80	22	16	12	4	18.0	120M20x2
M21	1.5	80	22	16	12	4	19.5	120M21x1.5
M22	1.0	80	22	18	14.5	4	21.0	120M22x1
M22	1.25	80	22	18	14.5	4	20.8	120M22x1.25
M22	1.5	80	22	18	14.5	4	20.5	120M22x1.5
M22	2.0	80	22	18	14.5	4	20.0	120M22x2
M23	1.5	80	22	18	14.5	4	21.5	120M23x1.5
M24	1.0	90	22	18	14.5	4	23.0	120M24x1
M24	1.25	90	22	18	14.5	4	22.8	120M24x1.25
M24	1.5	90	22	18	14.5	4	22.5	120M24x1.5
M24	2.0	90	22	18	14.5	4	22.0	120M24x2
M25	1.0	90	22	18	14.5	4	24.0	120M25x1
M25	1.5	90	22	18	14.5	4	23.5	120M25x1.5
M25	2.0	90	22	18	14.5	4	23.0	120M25x2
M26	1.0	90	22	18	14.5	4	25.0	120M26x1
M26	1.5	90	22	18	14.5	4	24.5	120M26x1.5
M26	2.0	90	22	18	14.5	4	24.0	120M26x2
M27	1.0	90	22	20	16	4	26.0	120M27x1
M27	1.5	90	22	20	16	4	25.5	120M27x1.5
M27	2.0	90	22	20	16	4	25.0	120M27x2
M28	1.0	90	22	20	16	4	27.0	120M28x1
M28	1.5	90	22	20	16	4	26.5	120M28x1.5
M28	2.0	90	22	20	16	4	26.0	120M28x2
M29	1.5	90	22	22	18	4	27.5	120M29x1.5
M30	1.0	90	22	22	18	4	29.0	120M30x1
M30	1.5	90	22	22	18	4	28.5	120M30x1.5
M30	2.0	90	22	22	18	4	28.0	120M30x2
M30	2.5	125	56	22	18	4	27.5	120M30x2.5
M30	3.0	125	56	22	18	4	27.0	120M30x3
M32	1.5	90	22	22	18	4	30.5	120M32x1.5

Ordering example: Hand taps 120M17x1 HSS - for 1 set /I, II/
Bestellbeispiel: Handgewindebohrer 120M17x1 HSS - für 1 Satz /I, II/
Начин на заявяване: Метчици ръчни 120M17x1 HSS - за 1 комплект /I, II/

Hand Taps
Set of 2 pieces for ISO metric
Fine thread according to DIN 13
Grade of fit: ISO 2 (6H)
Ground thread

Handgewindebohrer
Zweiteiliger Satz für metrisches
ISO-Feingewinde nach DIN 13
Toleranzfeld: ISO 2 (6H)
Geschliffenes Gewinde

Метчици ръчни
Комплект от 2 броя за метрична
ISO резба ситна стъпка по DIN 13
Клас на точност: ISO 2 (6H)
Шлифована резба





Mf DIN 2181

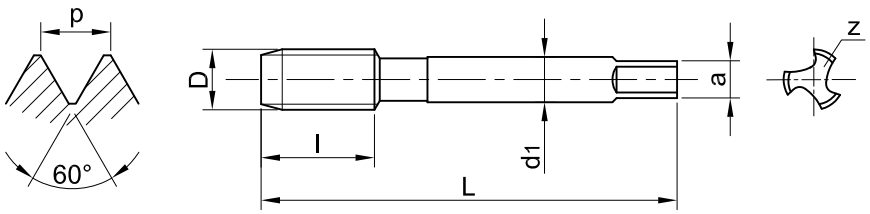
d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 120*..
M32	2.0	90	22	22	18	4	30.0	120M32x2
M32	3.0	125	56	22	18	4	29.0	120M32x3
M33	1.5	100	25	25	20	4	31.5	120M33x1.5
M33	2.0	100	25	25	20	4	31.0	120M33x2
M33	3.0	125	56	25	20	4	30.0	120M33x3
M34	1.0	100	25	28	22	4	33.0	120M34x1
M34	1.5	100	25	28	22	4	32.5	120M34x1.5
M34	2.0	125	40	25	22	4	31.0	120M33x2
M35	1.5	100	25	28	22	4	33.5	120M35x1.5
M36	1.5	100	25	28	22	4	34.5	120M36x1.5
M36	2.0	125	40	28	22	4	34.0	120M36x2
M36	3.0	125	40	28	22	4	33.0	120M36x3
M38	1.5	100	25	28	22	4	36.5	120M38x1.5
M39	1.5	110	25	32	24	4	37.5	120M39x1.5
M39	2.0	125	40	32	24	4	37.0	120M39x2
M39	3.0	125	40	32	24	4	37.0	120M39x3
M40	1.5	110	25	32	24	4	38.5	120M40x1.5
M40	2.0	125	40	32	24	4	38.0	120M40x2
M40	3.0	125	40	32	24	4	37.0	120M40x3
M42	1.5	110	25	32	24	4	40.5	120M42x1.5
M42	2.0	125	40	32	24	4	40.0	120M42x2
M42	3.0	125	40	32	24	4	39.0	120M42x3
M42	4.0	150	63	32	24	4	38.0	120M42x4
M45	1.5	110	25	36	29	6	43.5	120M45x1.5
M45	2.0	125	40	36	29	6	43.0	120M45x2
M45	3.0	125	40	36	29	6	42.0	120M45x3
M45	4.0	160	70	36	29	6	41.0	120M45x4
M48	1.5	140	40	36	29	6	46.5	120M48x1.5
M48	2.0	140	40	36	29	6	46.0	120M48x2
M48	3.0	140	40	36	29	6	45.0	120M48x3
M48	4.0	180	75	36	29	6	44.0	120M48x4
M50	1.5	140	40	36	29	6	48.5	120M50x1.5
M50	2.0	140	40	36	29	6	48.0	120M50x2
M50	3.0	140	40	36	29	6	47.0	120M50x3
M52	1.5	140	40	40	32	6	50.5	120M52x1.5
M52	2.0	140	40	40	32	6	50.0	120M52x2
M52	3.0	140	40	40	32	6	49.0	120M52x3
M52	4.0	180	75	40	32	6	48.0	120M52x4
M54	1.5	140	32	40	32	6	52.5	120M54x1.5
M54	2.0	140	36	40	32	6	52.0	120M54x2

Ordering example: Hand taps 120M32x2 HSS - for 1 set /I, II/
Bestellbeispiel: Handgewindebohrer 120M32x2 HSS - für 1 Satz /I, II/
Начин на заявяване: Метчици ръчни 120M32x2 HSS - за 1 комплект /I, II/

Hand Taps
Set of 2 pieces for ISO metric
Fine thread according to DIN 13
Grade of fit: ISO 2 (6H)
Ground thread

Handgewindebohrer
Zweiteiliger Satz für metrisches
ISO-Feingewinde nach DIN 13
Toleranzfeld: ISO 2 (6H)
Geschliffenes Gewinde

Метчици ръчни
Комплект от 2 броя за метрична
ISO резба ситна стъпка по DIN 13
Клас на точност: ISO 2 (6H)
Шлифована резба





Mf DIN 2181

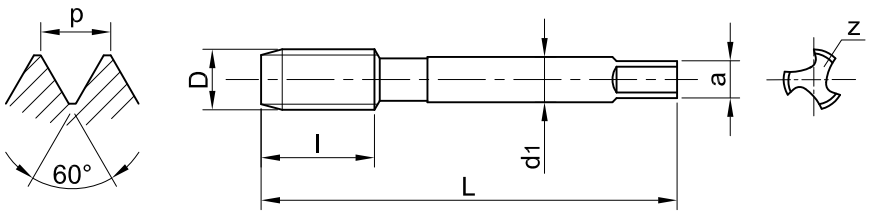
d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art.No. 120*..
M54	3.0	140	40	40	32	6	51.0	120M54x3
M54	4.0	180	50	40	32	6	50.0	120M54x4
M55	1.5	140	32	40	32	6	53.5	120M55x1.5
M55	2.0	140	36	40	32	6	53.0	120M55x2
M55	3.0	140	40	40	32	6	52.0	120M55x3
M55	4.0	180	50	40	32	6	51.0	120M55x4
M56	1.5	140	32	40	32	6	54.5	120M56x1.5
M56	2.0	140	36	40	32	6	54.0	120M56x2
M56	3.0	140	40	40	32	6	53.0	120M56x3
M56	4.0	180	50	40	32	6	52.0	120M56x4
M58	1.5	160	32	45	35	6	56.5	120M58x1.5
M58	2.0	160	36	45	35	6	56.0	120M58x2
M58	3.0	160	40	45	35	6	55.0	120M58x3
M58	4.0	200	55	45	35	6	54.0	120M58x4
M60	1.5	160	34	45	35	6	58.5	120M60x1.5
M60	2.0	160	36	45	35	6	58.0	120M60x2
M60	3.0	160	40	45	35	6	57.0	120M60x3
M60	4.0	200	55	45	35	6	56.0	120M60x4
M62	1.5	160	34	50	39	6	60.5	120M62x1.5
M62	2.0	160	36	50	39	6	60.0	120M62x2
M62	3.0	180	45	50	39	6	59.0	120M62x3
M62	4.0	220	55	50	39	6	58.0	120M62x4
M63	1.5	160	32	50	39	6	61.5	120M63x1.5
M64	1.5	160	34	50	39	6	62.5	120M64x1.5
M64	2.0	160	36	50	39	6	62.0	120M64x2
M64	3.0	180	45	50	39	6	61.0	120M64x3
M64	4.0	220	60	50	39	6	60.0	120M64x4
M65	1.5	160	34	50	39	6	63.5	120M65x1.5
M65	2.0	160	36	50	39	6	63.0	120M65x2
M65	3.0	180	45	50	39	6	62.0	120M65x3
M65	4.0	220	60	50	39	6	61.0	120M65x4
M68	1.5	160	36	50	39	6	66.5	120M68x1.5
M68	2.0	160	40	50	39	6	66.0	120M68x2
M68	3.0	180	50	50	39	6	65.0	120M68x3
M68	4.0	220	60	50	39	6	64.0	120M68x4
M70	1.5	160	36	50	39	6	68.5	120M70x1.5
M70	2.0	160	40	50	39	6	68.0	120M70x2
M70	3.0	200	50	50	39	6	67.0	120M70x3
M70	4.0	240	60	50	39	6	66.0	120M70x4
M72	1.5	160	36	50	39	6	70.5	120M72x1.5

Ordering example: Hand taps 120M54x3 HSS - for 1 set /I, II/
Bestellbeispiel: Handgewindebohrer 120M54x3 HSS - für 1 Satz /I, II/
Начин на заявяване: Метчици ръчни 120M54x3 HSS - за 1 комплект /I, II/

Hand Taps
Set of 2 pieces for ISO metric
Fine thread according to DIN 13
Grade of fit: ISO 2 (6H)
Ground thread

Handgewindebohrer
Zweiteiliger Satz für metrisches
ISO-Feingewinde nach DIN 13
Toleranzfeld: ISO 2 (6H)
Geschliffenes Gewinde

Метчици ръчни
Комплект от 2 броя за метрична
ISO резба ситна стъпка по DIN 13
Клас на точност: ISO 2 (6H)
Шлифована резба





Mf DIN 2181

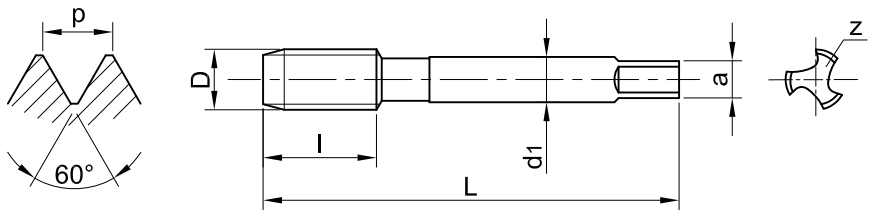
d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 120*..
M72	2.0	160	40	50	39	6	70.0	120M72x2
M72	3.0	200	50	50	39	6	69.0	120M72x3
M72	4.0	240	60	50	39	6	68.0	120M72x4
M74	1.5	160	36	50	39	6	72.5	120M74x1.5
M74	2.0	160	40	50	39	6	72.0	120M74x2
M74	3.0	200	50	50	39	6	71.0	120M74x3
M74	4.0	240	60	50	39	6	70.0	120M74x4
M75	1.5	160	36	50	39	6	73.5	120M75x1.5
M75	2.0	160	40	50	39	6	73.0	120M75x2
M75	3.0	200	50	50	39	6	72.0	120M75x3
M75	4.0	240	60	50	39	6	71.0	120M75x4
M76	1.5	160	36	50	39	6	74.5	120M76x1.5
M76	2.0	160	40	50	39	6	74.0	120M76x2
M76	3.0	220	50	50	39	6	73.0	120M76x3
M76	4.0	260	60	50	39	6	72.0	120M76x4
M78	1.5	160	36	50	39	6	76.5	120M78x1.5
M78	2.0	160	40	50	39	6	76.0	120M78x2
M78	3.0	220	55	50	39	6	75.0	120M78x3
M78	4.0	260	65	50	39	6	74.0	120M78x4
M80	1.5	160	36	50	39	6	78.5	120M80x1.5
M80	2.0	160	40	50	39	6	78.0	120M80x2
M80	3.0	220	55	50	39	6	77.0	120M80x3
M80	4.0	260	65	50	39	6	76.0	120M80x4
M82	1.5	160	36	50	39	8	80.5	120M82x1.5
M82	2.0	160	40	50	39	8	80.0	120M82x2
M82	3.0	220	55	50	39	8	79.0	120M82x3
M82	4.0	260	65	50	39	8	78.0	120M82x4
M84	1.5	160	36	50	39	8	82.5	120M84x1.5
M84	2.0	160	40	50	39	8	82.0	120M84x2
M84	3.0	220	55	50	39	8	81.0	120M84x3
M84	4.0	260	65	50	39	8	80.0	120M84x4
M85	1.5	160	36	50	39	8	83.5	120M85x1.5
M85	2.0	160	40	50	39	8	83.0	120M85x2
M85	3.0	220	55	50	39	8	82.0	120M85x3
M85	4.0	260	65	50	39	8	81.0	120M85x4
M86	1.5	160	36	50	39	8	84.5	120M86x1.5
M86	2.0	160	40	50	39	8	84.0	120M86x2
M86	3.0	220	55	50	39	8	83.0	120M86x3
M86	4.0	260	65	50	39	8	82.0	120M86x4
M88	1.5	160	38	50	39	8	86.5	120M88x1.5

Ordering example: Hand taps 120M72x2 HSS - for 1 set /I, II/
Bestellbeispiel: Handgewindebohrer 120M72x2 HSS - für 1 Satz /I, II/
Начин на заявяване: Метчици ръчни 120M72x2 HSS - за 1 комплект /I, II/

Hand Taps
Set of 2 pieces for ISO metric
Fine thread according to DIN 13
Grade of fit: ISO 2 (6H)
Ground thread

Handgewindebohrer
Zweiteiliger Satz für metrisches
ISO-Feingewinde nach DIN 13
Toleranzfeld: ISO 2 (6H)
Geschliffenes Gewinde

Метчици ръчни
Комплект от 2 броя за метрична
ISO резба ситна стъпка по DIN 13
Клас на точност: ISO 2 (6H)
Шлифована резба





Mf DIN 2181

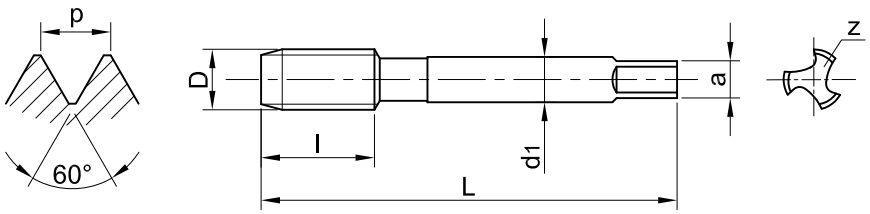
d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 120*..
M88	2.0	160	40	50	39	8	86.0	120M88x2
M88	3.0	220	55	50	39	8	85.0	120M88x3
M88	4.0	260	65	50	39	8	84.0	120M88x4
M90	1.5	160	38	50	39	8	88.5	120M90x1.5
M90	2.0	160	40	50	39	8	88.0	120M90x2
M90	3.0	220	55	50	39	8	87.0	120M90x3
M90	4.0	260	65	50	39	8	86.0	120M90x4
M92	1.5	180	40	56	44	8	90.5	120M92x1.5
M92	2.0	180	45	56	44	8	90.0	120M92x2
M92	3.0	240	60	56	44	8	89.0	120M92x3
M92	4.0	280	70	56	44	8	88.0	120M92x4
M95	1.5	180	40	56	44	8	93.5	120M95x1.5
M95	2.0	180	45	56	44	8	93.0	120M95x2
M95	3.0	240	60	56	44	8	92.0	120M95x3
M95	4.0	280	70	56	44	8	91.0	120M95x4
M96	1.5	180	40	56	44	8	94.5	120M96x1.5
M96	2.0	180	45	56	44	8	94.0	120M96x2
M96	3.0	240	60	56	44	8	93.0	120M96x3
M96	4.0	280	70	56	44	8	92.0	120M96x4
M98	1.5	180	40	56	44	8	96.5	120M98x1.5
M98	2.0	180	45	56	44	8	96.0	120M98x2
M98	3.0	240	60	56	44	8	95.0	120M98x3
M98	4.0	280	70	56	44	8	94.0	120M98x4
M100	1.5	180	45	56	44	8	98.5	120M100x1.5
M100	2.0	180	50	56	44	8	98.0	120M100x2
M100	3.0	240	65	56	44	8	97.0	120M100x3
M100	4.0	280	75	56	44	8	96.0	120M100x4
M105	1.5	180	45	56	44	8	103.5	120M105x1.5
M105	2.0	180	50	56	44	8	103.0	120M105x2
M105	3.0	240	65	56	44	8	102.0	120M105x3
M105	4.0	280	75	56	44	8	101.0	120M105x4
M110	1.5	180	45	56	44	10	108.5	120M110x1.5
M110	2.0	180	50	56	44	10	108.0	120M110x2
M110	3.0	240	65	56	44	10	107.0	120M110x3
M110	4.0	280	75	56	44	10	106.0	120M110x4

Ordering example: Hand taps 120M88x2 HSS - for 1 set /I, II/
Bestellbeispiel: Handgewindebohrer 120M88x2 HSS - für 1 Satz /I, II/
Начин на заявяване: Метчици ръчни 120M88x2 HSS - за 1 комплект /I, II/

Hand Taps
Set of 2 pieces for ISO metric
Fine thread according to DIN 13
Grade of fit: ISO 2 (6H)
Ground thread

Handgewindebohrer
Zweiteiliger Satz für metrisches
ISO-Feingewinde nach DIN 13
Toleranzfeld: ISO 2 (6H)
Geschliffenes Gewinde

Метчици ръчни
Комплект от 2 броя за метрична
ISO резба ситна стъпка по DIN 13
Клас на точност: ISO 2 (6H)
Шлифована резба





Mf DIN 2184-2

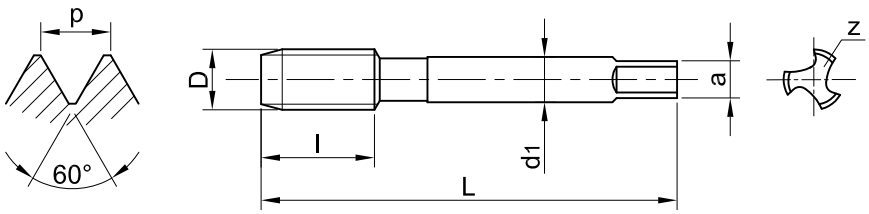
d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 120*.. 170*..
M2.5	0.35	40	9	2.8	2.1	3	2.15	120M2.5x0.35
M3	0.35	40	8	3.5	2.7	3	2.65	170M3x0.35
M3.5	0.35	45	9	4	3.0	3	3.15	170M3.5x0.35
M4	0.35	45	10	4.5	3.4	3	3.65	120M4x0.35
M4	0.5	45	10	4.5	3.4	3	3.5	120M4x0.5
M4.5	0.5	50	12	6	4.9	3	4.0	120M4.5x0.5
M5	0.5	50	12	6	4.9	3	4.5	120M5x0.5
M5	0.75	50	12	6	4.9	3	4.25	120M5x0.75
M5.5	0.5	56	12	6	4.9	3	5.0	170M5.5x0.5
M6	0.5	56	14	6	4.9	3	5.5	170M6x0.5
M6	0.75	56	14	6	4.9	3	5.2	170M6x0.75
M7	0.75	56	14	6	4.9	3	6.2	170M7x0.75
M8	0.5	56	18	6	4.9	4	7.5	170M8x0.5
M8	0.75	56	18	6	4.9	4	7.2	170M8x0.75
M8	1.0	63	22	6	4.9	4	7.0	170M8x1
M9	0.75	63	18	7	5.5	4	8.2	170M9x0.75
M9	1.0	63	22	7	5.5	4	8.0	170M9x1
M10	0.75	63	20	7	5.5	4	9.2	120M10x0.75
M10	1.0	63	20	7	5.5	4	9.0	120M10x1
M10	1.25	70	24	7	5.5	4	8.8	120M10x1.25
M11	0.75	63	20	8	6.2	4	10.2	120M11x0.75
M11	1.0	63	20	8	6.2	4	10.0	120M11x1
M11	1.25	70	24	8	6.2	4	9.8	170M11x1.25
M12	0.5	70	22	9	7.0	4	11.5	120M12x0.5
M12	0.75	70	22	9	7.0	4	11.2	120M12x0.75
M12	1.0	70	22	9	7.0	4	11.0	120M12x1
M12	1.25	70	22	9	7.0	4	10.8	120M12x1.25
M12	1.5	70	22	9	7.0	4	10.5	120M12x1.5
M13	1.0	70	22	11	9.0	4	12.0	120M13x1
M13	1.5	70	22	11	9.0	4	11.5	120M13x1.5
M14	0.5	70	22	11	9.0	4	13.5	120M14x0.5
M14	0.75	70	22	11	9.0	4	13.2	120M14x0.75
M14	1.0	70	22	11	9.0	4	13.0	120M14x1
M14	1.25	70	22	11	9.0	4	12.8	120M14x1.25
M14	1.5	70	22	11	9.0	4	12.5	120M14x1.5
M15	1.0	70	22	12	9.0	4	14.0	120M15x1
M15	1.5	70	22	12	9.0	4	13.5	120M15x1.5
M16	1.0	70	22	12	9.0	4	15.0	120M16x1
M16	1.25	70	22	12	9.0	4	14.8	120M16x1.25
M16	1.5	70	22	12	9.0	4	14.5	120M16x1.5

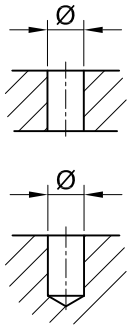
Ordering example: Hand taps 120M2.5x0.35 HSS - for 1 set /I, II/
Bestellbeispiel: Handgewindebohrer 120M2.5x0.35 HSS - für 1 Satz /I, II/
Начин на заявяване: Метчици ръчни 120M2.5x0.35 HSS - за 1 комплект /I, II/

Hand Taps
Set of 2 pieces for ISO metric
Fine thread according to DIN 13
Grade of fit: ISO 2 (6H)
Ground thread

Handgewindebohrer
Zweiteiliger Satz für metrisches
ISO-Feingewinde nach DIN 13
Toleranzfeld: ISO 2 (6H)
Geschliffenes Gewinde

Метчици ръчни
Комплект от 2 броя за метрична
ISO резба ситна стъпка по DIN 13
Клас на точност: ISO 2 (6H)
Шлифована резба







Mf DIN 2184-2

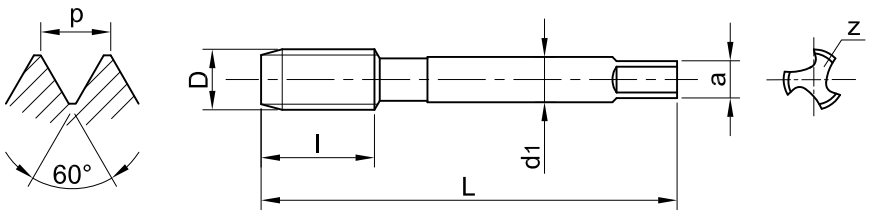
d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 120*.. 170*..
M17	1.0	70	22	12	9	4	16.0	120M17x1
M17	1.5	70	22	12	9	4	15.5	120M17x1.5
M17	2.0	80	32	12	9	4	15.0	120M17x2
M18	1.0	80	22	14	11	4	17.0	120M18x1
M18	1.25	80	22	14	11	4	16.8	120M18x1.25
M18	1.5	80	22	14	11	4	16.5	120M18x1.5
M18	2.0	80	22	14	11	4	16.0	120M18x2
M20	1.0	80	22	16	12	4	19.0	120M20x1
M20	1.25	80	22	16	12	4	18.8	120M20x1.25
M20	1.5	80	22	16	12	4	18.5	120M20x1.5
M20	2.0	80	22	16	12	4	18.0	120M20x2
M21	1.5	80	22	16	12	4	19.5	120M21x1.5
M22	1.0	80	22	18	14.5	4	21.0	120M22x1
M22	1.25	80	22	18	14.5	4	20.8	120M22x1.25
M22	1.5	80	22	18	14.5	4	20.5	120M22x1.5
M22	2.0	80	22	18	14.5	4	20.0	120M22x2
M23	1.5	80	22	18	14.5	4	21.5	120M23x1.5
M24	1.0	90	22	18	14.5	4	23.0	120M24x1
M24	1.25	90	22	18	14.5	4	22.8	120M24x1.25
M24	1.5	90	22	18	14.5	4	22.5	120M24x1.5
M24	2.0	90	22	18	14.5	4	22.0	120M24x2
M25	1.0	90	22	18	14.5	4	24.0	120M25x1
M25	1.5	90	22	18	14.5	4	23.5	120M25x1.5
M25	2.0	90	22	18	14.5	4	23.0	120M25x2
M26	1.0	90	22	18	14.5	4	25.0	120M26x1
M26	1.5	90	22	18	14.5	4	24.5	120M26x1.5
M26	2.0	90	22	18	14.5	4	24.0	120M26x2
M27	1.0	90	22	20	16	4	26.0	120M27x1
M27	1.5	90	22	20	16	4	25.5	120M27x1.5
M27	2.0	90	22	20	16	4	25.0	120M27x2
M28	1.0	90	22	20	16	4	27.0	120M28x1
M28	1.5	90	22	20	16	4	26.5	120M28x1.5
M28	2.0	90	22	20	16	4	26.0	120M28x2
M29	1.5	90	22	22	18	4	27.5	120M29x1.5
M30	1.0	90	22	22	18	4	29.0	120M30x1
M30	1.5	90	22	22	18	4	28.5	120M30x1.5
M30	2.0	90	22	22	18	4	28.0	120M30x2
M30	2.5	125	45	22	18	4	27.5	170M30x2.5
M30	3.0	125	45	22	18	4	27.0	170M30x3
M32	1.5	90	22	22	18	4	30.5	120M32x1.5

Ordering example: Hand taps 120M17x1 HSS - for 1 set /I, II/
Bestellbeispiel: Handgewindebohrer 120M17x1 HSS - für 1 Satz /I, II/
Начин на заявяване: Метчици ръчни 120M17x1 HSS - за 1 комплект /I, II/

Hand Taps
Set of 2 pieces for ISO metric
Fine thread according to DIN 13
Grade of fit: ISO 2 (6H)
Ground thread

Handgewindebohrer
Zweiteiliger Satz für metrisches
ISO-Feingewinde nach DIN 13
Toleranzfeld: ISO 2 (6H)
Geschliffenes Gewinde

Метчици ръчни
Комплект от 2 броя за метрична
ISO резба ситна стъпка по DIN 13
Клас на точност: ISO 2 (6H)
Шлифована резба





Mf DIN 2184-2

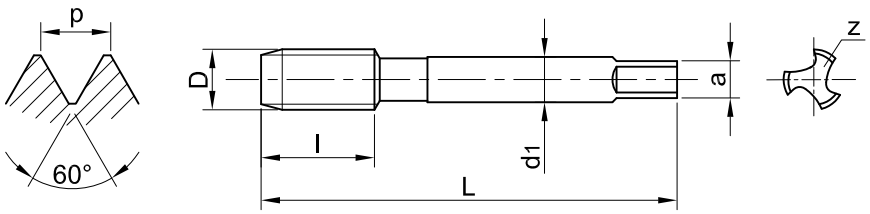
d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 120*.. 170*..
M32	2.0	90	22	22	18	4	30.0	120M32x2
M32	3.0	125	45	22	18	4	29.0	170M32x3
M33	1.5	100	25	25	20	4	31.5	120M33x1.5
M33	2.0	100	25	25	20	4	31.0	120M33x2
M33	3.0	125	50	25	20	4	30.0	170M33x3
M34	1.0	100	25	28	22	4	33.0	120M34x1
M34	1.5	100	25	28	22	4	32.5	120M34x1.5
M34	2.0	125	40	25	22	4	31.0	120M34x2
M35	1.5	100	25	28	22	4	33.5	120M35x1.5
M36	1.5	100	25	28	22	4	34.5	120M36x1.5
M36	2.0	125	40	28	22	4	34.0	120M36x2
M36	3.0	125	40	28	22	4	33.0	120M36x3
M38	1.5	100	25	28	22	4	36.5	120M38x1.5
M39	1.5	110	25	32	24	4	37.5	120M39x1.5
M39	2.0	125	40	32	24	4	37.0	120M39x2
M39	3.0	125	40	32	24	4	37.0	120M39x3
M40	1.5	110	25	32	24	4	38.5	120M40x1.5
M40	2.0	125	40	32	24	4	37.0	120M40x2
M40	3.0	125	40	32	24	4	37.0	120M40x3
M42	1.5	110	25	32	24	4	40.5	120M42x1.5
M42	2.0	125	40	32	24	4	40.0	120M42x2
M42	3.0	125	40	32	24	4	39.0	120M42x3
M42	4.0	150	60	32	24	4	38.0	170M42x4
M45	1.5	110	25	36	29	6	43.5	120M45x1.5
M45	2.0	125	40	36	29	6	43.0	120M45x2
M45	3.0	125	40	36	29	6	42.0	120M45x3
M45	4.0	160	65	36	29	6	41.0	170M45x4
M48	1.5	140	40	36	29	6	46.5	120M48x1.5
M48	2.0	140	40	36	29	6	46.0	120M48x2
M48	3.0	140	40	36	29	6	45.0	120M48x3
M48	4.0	180	70	36	29	6	44.0	170M48x4
M50	1.5	140	40	36	29	6	48.5	120M50x1.5
M50	2.0	140	40	36	29	6	48.0	120M50x2
M50	3.0	140	40	36	29	6	47.0	120M50x3
M52	1.5	140	40	40	32	6	50.5	120M52x1.5
M52	2.0	140	40	40	32	6	50.0	120M52x2
M52	3.0	140	40	40	32	6	49.0	120M52x3
M52	4.0	180	70	40	32	6	48.0	170M52x4
M54	1.5	140	40	40	32	6	52.5	170M54x1.5
M54	2.0	140	40	40	32	6	52.0	170M54x2

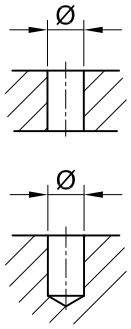
Ordering example: Hand taps 120M32x2 HSS - for 1 set /I, II/
Bestellbeispiel: Handgewindebohrer 120M32x2 HSS - für 1 Satz /I, II/
Начин на заявяване: Метчици ръчни 120M32x2 HSS - за 1 комплект /I, II/

Hand Taps
Set of 2 pieces for ISO metric
Fine thread according to DIN 13
Grade of fit: ISO 2 (6H)
Ground thread

Handgewindebohrer
Zweiteiliger Satz für metrisches
ISO-Feingewinde nach DIN 13
Toleranzfeld: ISO 2 (6H)
Geschliffenes Gewinde

Метчици ръчни
Комплект от 2 броя за метрична
ISO резба ситна стъпка по DIN 13
Клас на точност: ISO 2 (6H)
Шлифована резба







Mf DIN 2184-2

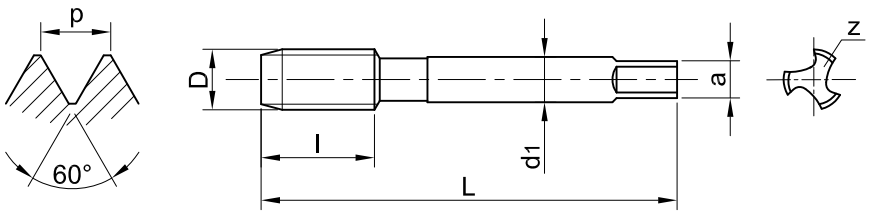
d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art.No. 120*.. 170*..
M54	3.0	140	40	40	32	6	51.0	120M54x3
M54	4.0	180	70	40	32	6	50.0	170M54x4
M55	1.5	140	40	40	32	6	53.5	170M55x1.5
M55	2.0	140	40	40	32	6	53.0	170M55x2
M55	3.0	140	40	40	32	6	52.0	120M55x3
M55	4.0	180	70	40	32	6	51.0	170M55x4
M56	1.5	140	40	40	32	6	54.5	170M56x1.5
M56	2.0	140	40	40	32	6	54.0	170M56x2
M56	3.0	140	40	40	32	6	53.0	120M56x3
M56	4.0	180	70	40	32	6	52.0	170M56x4
M58	1.5	160	40	45	35	6	57.0	170M58x1.5
M58	2.0	160	40	45	35	6	56.0	170M58x2
M58	3.0	160	40	45	35	6	55.0	120M58x3
M58	4.0	200	75	45	35	6	54.0	170M58x4
M60	1.5	160	40	45	35	6	58.5	170M60x1.5
M60	2.0	160	40	45	35	6	58.0	170M60x2
M60	3.0	160	40	45	35	6	57.0	120M60x3
M60	4.0	200	75	45	35	6	56.0	170M60x4
M62	1.5	160	40	50	39	6	60.5	170M62x1.5
M62	2.0	160	40	50	39	6	60.0	170M62x2
M62	3.0	180	56	50	39	6	59.0	170M62x3
M62	4.0	220	80	50	39	6	58.0	170M62x4
M63	1.5	160	40	50	39	6	61.5	170M63x1.5
M64	1.5	160	40	50	39	6	62.5	170M64x1.5
M64	2.0	160	40	50	39	6	62.0	170M64x2
M64	3.0	180	56	50	39	6	61.0	170M64x3
M64	4.0	220	80	50	39	6	60.0	170M64x4
M65	1.5	160	40	50	39	6	63.5	170M65x1.5
M65	2.0	160	40	50	39	6	63.0	170M65x2
M65	3.0	180	56	50	39	6	62.0	170M65x3
M65	4.0	220	80	50	39	6	61.0	170M65x4
M68	1.5	160	40	50	39	6	66.5	170M68x1.5
M68	2.0	160	40	50	39	6	66.0	120M68x2
M68	3.0	180	56	50	39	6	65.0	170M68x3
M68	4.0	220	80	50	39	6	64.0	170M68x4
M70	1.5	160	40	50	39	6	68.5	170M70x1.5
M70	2.0	160	40	50	39	6	68.0	120M70x2
M70	3.0	200	56	50	39	6	67.0	170M70x3
M70	4.0	240	80	50	39	6	66.0	170M70x4
M72	1.5	160	40	50	39	6	70.5	170M72x1.5

Ordering example: Hand taps 120M54x3 HSS - for 1 set /I, II/
Bestellbeispiel: Handgewindebohrer 120M54x3 HSS - für 1 Satz /I, II/
Начин на заявяване: Метчици ръчни 120M54x3 HSS - за 1 комплект /I, II/

Hand Taps
Set of 2 pieces for ISO metric
Fine thread according to DIN 13
Grade of fit: ISO 2 (6H)
Ground thread

Handgewindebohrer
Zweiteiliger Satz für metrisches
ISO-Feingewinde nach DIN 13
Toleranzfeld: ISO 2 (6H)
Geschliffenes Gewinde

Метчици ръчни
Комплект от 2 броя за метрична
ISO резба ситна стъпка по DIN 13
Клас на точност: ISO 2 (6H)
Шлифована резба





Mf DIN 2184-2

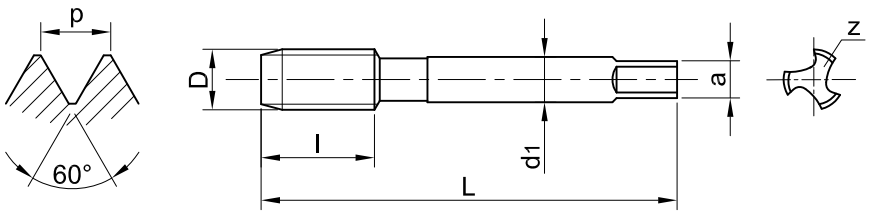
d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 120*.. 170..*
M72	2.0	160	40	50	39	6	70.0	120M72x2
M72	3.0	200	56	50	39	6	69.0	170M72x3
M72	4.0	240	80	50	39	6	68.0	170M72x4
M74	1.5	160	40	50	39	6	72.5	170M74x1.5
M74	2.0	160	40	50	39	6	72.0	120M74x2
M74	3.0	200	56	50	39	6	71.0	170M74x3
M74	4.0	240	80	50	39	6	70.0	170M74x4
M75	1.5	160	40	50	39	6	73.5	170M75x1.5
M75	2.0	160	40	50	39	6	73.0	120M75x2
M75	3.0	200	56	50	39	6	72.0	170M75x3
M75	4.0	240	80	50	39	6	71.0	170M75x4
M76	1.5	160	40	50	39	6	74.5	170M76x1.5
M76	2.0	160	40	50	39	6	74.0	120M76x2
M76	3.0	200	56	50	39	6	73.0	170M76x3
M76	4.0	240	80	50	39	6	72.0	170M76x4
M78	1.5	160	40	50	39	6	76.5	170M78x1.5
M78	2.0	160	40	50	39	6	76.0	120M78x2
M78	3.0	220	60	50	39	6	75.0	170M78x3
M78	4.0	260	85	50	39	6	74.0	170M78x4
M80	1.5	160	40	50	39	6	78.5	170M80x1.5
M80	2.0	160	40	50	39	6	78.0	120M80x2
M80	3.0	220	60	50	39	6	77.0	170M80x3
M80	4.0	260	85	50	39	6	76.0	170M80x4
M82	1.5	160	40	50	39	8	80.5	170M82x1.5
M82	2.0	160	40	50	39	8	80.0	120M82x2
M82	3.0	220	60	50	39	8	79.0	170M82x3
M82	4.0	260	85	50	39	8	78.0	170M82x4
M84	1.5	160	40	50	39	8	82.5	170M84x1.5
M84	2.0	160	40	50	39	8	82.0	120M84x2
M84	3.0	220	60	50	39	8	81.0	170M84x3
M84	4.0	260	85	50	39	8	80.0	170M84x4
M85	1.5	160	40	50	39	8	83.5	170M85x1.5
M85	2.0	160	40	50	39	8	83.0	120M85x2
M85	3.0	220	60	50	39	8	82.0	170M85x3
M85	4.0	260	85	50	39	8	81.0	170M85x4
M86	1.5	160	40	50	39	8	84.5	170M86x1.5
M86	2.0	160	40	50	39	8	84.0	120M86x2
M86	3.0	220	60	50	39	8	83.0	170M86x3
M86	4.0	260	85	50	39	8	82.0	170M86x4
M88	1.5	160	40	50	39	8	86.5	170M88x1.5

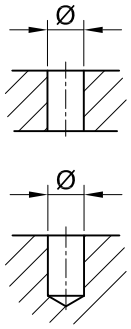
Ordering example: Hand taps 120M72x2 HSS - for 1 set /I, II/
Bestellbeispiel: Handgewindebohrer 120M72x2 HSS - für 1 Satz /I, II/
Начин на заявяване: Метчици ръчни 120M72x2 HSS - за 1 комплект /I, II/

Hand Taps
Set of 2 pieces for ISO metric
Fine thread according to DIN 13
Grade of fit: ISO 2 (6H)
Ground thread

Handgewindebohrer
Zweiteiliger Satz für metrisches
ISO-Feingewinde nach DIN 13
Toleranzfeld: ISO 2 (6H)
Geschliffenes Gewinde

Метчици ръчни
Комплект от 2 броя за метрична
ISO резба ситна стъпка по DIN 13
Клас на точност: ISO 2 (6H)
Шлифована резба







Mf DIN 2184-2

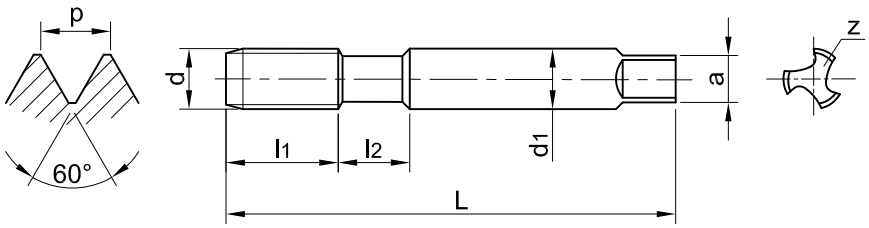
d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 120*.. 170*..
M88	2.0	160	40	50	39	8	86.0	120M88x2
M88	3.0	220	60	50	39	8	85.0	170M88x3
M88	4.0	260	85	50	39	8	84.0	170M88x4
M90	1.5	160	40	50	39	8	88.5	170M90x1.5
M90	2.0	160	40	50	39	8	88.0	120M90x2
M90	3.0	220	60	50	39	8	87.0	170M90x3
M90	4.0	260	85	50	39	8	86.0	170M90x4
M92	1.5	180	45	56	44	8	90.5	170M92x1.5
M92	2.0	180	45	56	44	8	90.0	120M92x2
M92	3.0	240	65	56	44	8	89.0	170M92x3
M92	4.0	280	90	56	44	8	88.0	170M92x4
M95	1.5	180	45	56	44	8	93.5	170M95x1.5
M95	2.0	180	45	56	44	8	93.0	120M95x2
M95	3.0	240	65	56	44	8	92.0	170M95x3
M95	4.0	280	90	56	44	8	91.0	170M95x4
M96	1.5	180	45	56	44	8	94.5	170M96x1.5
M96	2.0	180	45	56	44	8	94.0	120M96x2
M96	3.0	240	65	56	44	8	93.0	170M96x3
M96	4.0	280	90	56	44	8	92.0	170M96x4
M98	1.5	180	45	56	44	8	96.5	170M98x1.5
M98	2.0	180	45	56	44	8	96.0	120M98x2
M98	3.0	240	65	56	44	8	95.0	170M98x3
M98	4.0	280	90	56	44	8	94.0	170M98x4
M100	1.5	180	45	56	44	8	98.5	120M100x1.5
M100	2.0	180	45	56	44	8	98.0	170M100x2
M100	3.0	240	65	56	44	8	97.0	120M100x3
M100	4.0	280	90	56	44	8	96.0	170M100x4
M105	1.5	180	45	56	44	8	103.5	120M105x1.5
M105	2.0	180	45	56	44	8	103.0	170M105x2
M105	3.0	240	65	56	44	8	102.0	120M105x3
M105	4.0	280	90	56	44	8	101.0	170M105x4
M110	1.5	180	45	56	44	10	108.5	120M110x1.5
M110	2.0	180	45	56	44	10	108.0	170M110x2
M110	3.0	240	65	56	44	10	107.0	120M110x3
M110	4.0	280	90	56	44	10	106.0	170M110x4

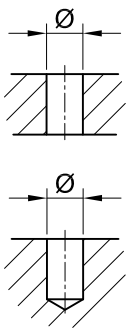
Ordering example: Hand taps 120M88x2 HSS - for 1 set /I, II/
Bestellbeispiel: Handgewindebohrer 120M88x2 HSS - für 1 Satz /I, II/
Начин на заявяване: Метчици ръчни 120M88x2 HSS - за 1 комплект /I, II/

Hand Taps
for ISO metric Fine thread
according to DIN 13
Grade of fit: ISO 2 (6H)
Ground thread
Form A 6-8 threads chamfered
Form D 4-5 threads chamfered
Form C 2-3 threads chamfered

Handgewindebohrer
für metrisches ISO-Feingewinde
nach DIN 13
Toleranzfeld: ISO 2 (6H)
Geschliffenes Gewinde
Form A 6-8 Gang Anschnitt
Form D 4-5 Gang Anschnitt
Form C 2-3 Gang Anschnitt

Метчици ръчни
за метрична ISO резба
ситна стъпка по DIN 13
Клас на точност: ISO 2 (6H)
Шлифована резба
Форма A 6-8 навивки конус
Форма D 4-5 навивки конус
Форма C 2-3 навивки конус







Mf ISO 529

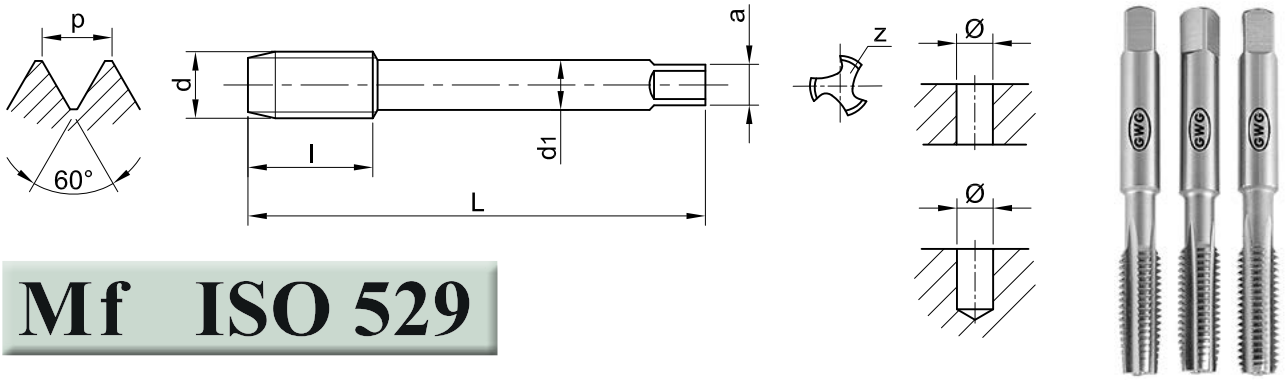
d	p mm	L mm	l1 mm	l2 mm	d1 mm	a mm	z	Ø	Art. No. A 3201*.. Art. No. D 3204*.. Art. No. C 3203*..
M3	0.35	48	11	7	3.15	2.5	3	2.15	..*M3x0.35
M3.5	0.35	50	13	7	3.55	2.8	3	2.65	..*M3.5x0.35
M4	0.5	53	13	8	4.0	3.15	3	3.5	..*M4x0.5
M4.5	0.5	53	13	8	4.5	3.55	3	4.0	..*M4.5x0.5
M5	0.5	58	16	9	5.0	4.0	3	4.5	..*M5x0.5
M5.5	0.5	62	17	9	5.6	4.5	3	5.0	..*M5.5x0.5
M6	0.75	66	19	11	6.3	5.0	3	5.2	..*M6x0.75
M7	0.75	66	19	11	7.1	5.6	4	6.2	..*M7x0.75
M8	0.75	69	19	13	8.0	6.3	4	7.2	..*M8x0.75
M8	1.0	69	19	13	8.0	6.3	4	7.0	..*M8x1
M9	0.75	69	19	14	9.0	7.1	4	8.2	..*M9x0.75
M9	1.0	69	19	14	9.0	7.1	4	8.0	..*M9x1
M10	0.75	76	20	15	10.0	8.0	4	9.2	..*M10x0.75
M10	1.0	76	20	15	10.0	8.0	4	9.0	..*M10x1
M10	1.25	76	20	15	10.0	8.0	4	8.8	..*M10x1.25
M11	0.75	80	20		8.0	6.3	4	10.2	..*M11x0.75
M11	1.0	80	20		8.0	6.3	4	10.0	..*M11x1
M12	1.0	84	24		9.0	7.1	4	11.0	..*M12x1
M12	1.25	84	24		9.0	7.1	4	9.8	..*M12x1.25
M12	1.5	89	29		9.0	7.1	4	10.5	..*M12x1.5
M14	1.0	90	25		11.2	9.0	4	13.0	..*M14x1
M14	1.25	90	25		11.2	9.0	4	12.8	..*M14x1.25
M14	1.5	95	30		11.2	9.0	4	12.5	..*M14x1.5
M15	1.0	95	25		11.2	9.0	4	14.0	..*M15x1
M15	1.5	95	30		11.2	9.0	4	13.5	..*M15x1.5
M16	1.0	95	25		12.5	10.0	4	15.0	..*M16x1
M16	1.5	102	32		12.5	10.0	4	14.5	..*M16x1.5
M17	1.0	95	25		12.5	10.0	4	16.0	..*M17x1
M17	1.5	102	32		12.5	10.0	4	15.5	..*M17x1.5
M18	1.0	104	29		14.0	11.2	4	17.0	..*M18x1
M18	1.25	104	29		14.0	11.2	4	16.8	..*M18x1.25
M18	1.5	104	29		14.0	11.2	4	16.5	..*M18x1.5
M18	2.0	112	37		14.0	11.2	4	16.0	..*M18x2
M20	1.0	104	29		14.0	11.2	4	19.0	..*M20x1
M20	1.25	104	29		14.0	11.2	4	18.8	..*M20x1.25
M20	1.5	104	29		14.0	11.2	4	18.5	..*M20x1.5

Ordering example: Hand taps 3201M3x0.35 HSS
Bestellbeispiel: Handgewindebohrer 3201M3x0.35 HSS
Начин на заявяване: Метчици ръчни 3201M3x0.35 HSS

Hand Taps
for ISO metric Fine thread
according to DIN 13
Grade of fit: ISO 2 (6H)
Ground thread
Form A 6-8 threads chamfered
Form D 4-5 threads chamfered
Form C 2-3 threads chamfered

Handgewindebohrer
für metrisches ISO-Feingewinde
nach DIN 13
Toleranzfeld: ISO 2 (6H)
Geschliffenes Gewinde
Form A 6-8 Gang Anschnitt
Form D 4-5 Gang Anschnitt
Form C 2-3 Gang Anschnitt

Метчици ръчни
за метрична ISO резба
ситна стъпка по DIN 13
Клас на точност: ISO 2 (6H)
Шлифована резба
Форма A 6-8 навивки конус
Форма D 4-5 навивки конус
Форма C 2-3 навивки конус



Mf ISO 529

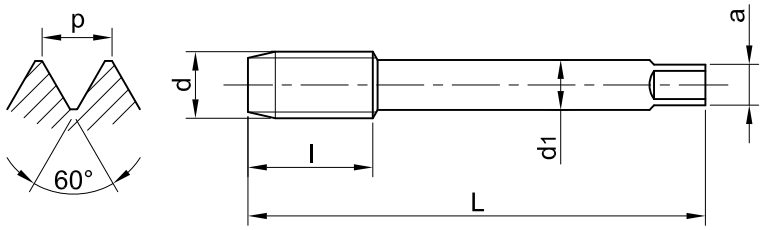
d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. A 3201*.. Art. No. D 3204*.. Art. No. C 3203*..
M20	2.0	112	37	14.0	11.2	4	18.0	..*M20x2
M22	1.0	109	29	16.0	12.5	4	21.0	..*M22x1
M22	1.5	113	33	16.0	12.5	4	20.5	..*M22x1.5
M22	2.0	118	38	16.0	12.5	4	20.0	..*M22x2
M24	1.0	114	29	18.0	14.0	4	23.0	..*M24x1
M24	1.5	120	35	18.0	14.0	4	22.5	..*M24x1.5
M24	2.0	120	35	18.0	14.0	4	22.0	..*M24x2
M25	1.0	120	35	18.0	14.0	4	24.0	..*M25x1
M25	1.5	120	35	18.0	14.0	4	23.5	..*M25x1.5
M25	2.0	120	35	18.0	14.0	4	23.0	..*M25x2
M26	1.5	120	35	18.0	14.0	4	24.5	..*M26x1.5
M27	1.0	120	30	20.0	16.0	4	26.0	..*M27x1
M27	1.5	127	37	20.0	16.0	4	25.5	..*M27x1.5
M27	2.0	127	37	20.0	16.0	4	25.0	..*M27x2
M28	1.0	120	30	20.0	16.0	6	27.0	..*M28x1
M28	1.5	127	37	20.0	16.0	6	26.5	..*M28x1.5
M28	2.0	127	37	20.0	16.0	6	26.0	..*M28x2
M30	1.0	120	30	20.0	16.0	6	29.0	..*M30x1
M30	1.5	127	37	20.0	16.0	6	28.5	..*M30x1.5
M30	2.0	127	37	20.0	16.0	6	28.0	..*M30x2
M30	3.0	138	48	20.0	16.0	6	27.0	..*M30x3
M32	1.5	137	37	22.4	18.0	6	30.5	..*M32x1.5
M32	2.0	137	37	22.4	18.0	6	30.0	..*M32x2
M33	1.5	137	37	22.4	18.0	6	31.5	..*M33x1.5
M33	2.0	137	37	22.4	18.0	6	31.0	..*M33x2
M33	3.0	151	51	22.4	18.0	6	30.0	..*M33x3
M35	1.5	144	39	25.0	20.0	6	33.5	..*M35x1.5
M36	1.5	144	39	25.0	20.0	6	34.5	..*M36x1.5
M36	2.0	144	39	25.0	20.0	6	34.0	..*M36x2
M36	3.0	162	57	25.0	20.0	6	33.0	..*M36x3
M38	1.5	149	39	28.0	22.4	6	36.5	..*M38x1.5
M39	1.5	149	39	28.0	22.4	6	37.5	..*M39x1.5
M39	2.0	149	39	28.0	22.4	6	37.0	..*M39x2
M39	3.0	170	60	28.0	22.4	6	36.0	..*M39x3
M40	1.5	149	39	28.0	22.4	6	38.5	..*M40x1.5
M40	2.0	149	39	28.0	22.4	6	38.0	..*M40x2

Ordering example: Hand taps 3201M20x2 HSS
Bestellbeispiel: Handgewindebohrer 3201M20x2 HSS
Начин на заявяване: Метчици ръчни 3201M20x2 HSS

Hand Taps
for ISO metric Fine thread
according to DIN 13
Grade of fit: ISO 2 (6H)
Ground thread
Form A 6-8 threads chamfered
Form D 4-5 threads chamfered
Form C 2-3 threads chamfered

Handgewindebohrer
für metrisches ISO-Feingewinde
nach DIN 13
Toleranzfeld: ISO 2 (6H)
Geschliffenes Gewinde
Form A 6-8 Gang Anschnitt
Form D 4-5 Gang Anschnitt
Form C 2-3 Gang Anschnitt

Метчици ръчни
за метрична ISO резба
ситна стъпка по DIN 13
Клас на точност: ISO 2 (6H)
Шлифована резба
Форма A 6-8 навивки конус
Форма D 4-5 навивки конус
Форма C 2-3 навивки конус





Mf ISO 529

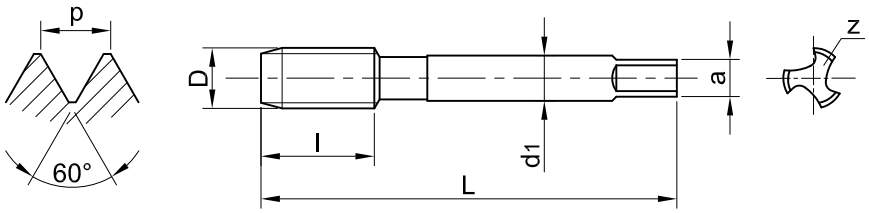
d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. A 3201*.. Art. No. D 3204*.. Art. No. C 3203*..
M40	3.0	170	60	28.0	22.4	6	37.0	..*M40x3
M42	1.5	149	39	28.0	22.4	6	40.5	..*M42x1.5
M42	2.0	149	39	28.0	22.4	6	40.0	..*M42x2
M42	3.0	170	60	28.0	22.4	6	39.0	..*M42x3
M42	4.0	170	60	28.0	22.4	6	38.0	..*M42x4
M45	1.5	165	45	31.5	25.0	6	43.5	..*M45x1.5
M45	2.0	165	45	31.5	25.0	6	43.0	..*M45x2
M45	3.0	187	67	31.5	25.0	6	42.0	..*M45x3
M45	4.0	187	67	31.5	25.0	6	41.0	..*M45x4
M48	1.5	165	45	31.5	25.0	6	46.5	..*M48x1.5
M48	2.0	165	45	31.5	25.0	6	46.0	..*M48x2
M48	3.0	187	67	31.5	25.0	6	45.0	..*M48x3
M48	4.0	187	67	31.5	25.0	6	44.0	..*M48x4
M50	1.5	165	45	31.5	25.0	6	48.5	..*M50x1.5
M50	2.0	165	45	31.5	25.0	6	48.0	..*M50x2
M50	3.0	187	67	31.5	25.0	6	47.0	..*M50x3
M52	1.5	175	45	35.5	28.0	6	50.5	..*M52x1.5
M52	2.0	175	45	35.5	28.0	6	50.0	..*M52x2
M52	3.0	200	70	35.5	28.0	6	49.0	..*M52x3
M52	4.0	200	70	35.5	28.0	6	48.0	..*M52x4

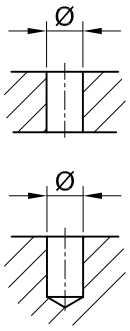
Ordering example: Hand taps 3201M40x3 HSS
Bestellbeispiel: Handgewindebohrer 3201M40x3 HSS
Начин на заявяване: Метчици ръчни 3201M40x3 HSS

Hand Taps
for ISO metric Fine thread
according to DIN 13
Grade of fit: ISO 2 (6H)
Ground thread
Form A 6-8 threads chamfered
Form D 4-5 threads chamfered
Form C 2-3 threads chamfered

Handgewindebohrer
für metrisches ISO-Feingewinde
nach DIN 13
Toleranzfeld: ISO 2 (6H)
Geschliffenes Gewinde
Form A 6-8 Gang Anschnitt
Form D 4-5 Gang Anschnitt
Form C 2-3 Gang Anschnitt

Метчици ръчни
за метрична ISO резба
ситна стъпка по DIN 13
Клас на точност: ISO 2 (6H)
Шлифована резба
Форма A 6-8 навивки конус
Форма D 4-5 навивки конус
Форма C 2-3 навивки конус







Mf JIS B 4430

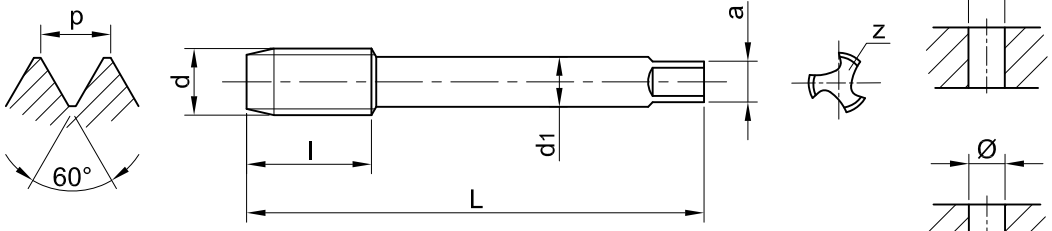
d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. A 4101*.. Art. No. D 4104*.. Art. No. C 4103*..
M4	0.5	52	15	5.0	4.0	3	3.5	..*M4x0.5
M5	0.75	60	22	5.5	4.5	3	4.7	..*M5x0.75
M5	0.5	52	15	5.5	4.5	3	4.5	..*M5x0.5
M6	0.75	62	20	6.0	4.5	3	5.2	..*M6x0.75
M6	0.5	55	15	6.0	4.5	3	5.5	..*M6x0.5
M8	1.0	70	30	6.2	5.0	4	7.0	..*M8x1
M8	0.75	62	20	6.2	5.0	4	7.2	..*M8x0.75
M10	1.25	75	32	7.0	5.5	4	8.8	..*M10x1.25
M10	1.0	70	30	7.0	5.5	4	9.0	..*M10x1
M12	1.5	82	38	8.5	6.5	4	10.5	..*M12x1.5
M12	1.25	80	38	8.5	6.5	4	10.8	..*M12x1.25
M12	1.0	70	30	8.5	6.5	4	11.0	..*M12x1
M14	1.5	88	42	10.5	8.0	4	12.5	..*M14x1.5
M14	1.25	88	38	10.5	8.0	4	12.8	..*M14x1.25
M14	1.0	70	30	10.5	8.0	4	13.0	..*M14x1
M16	1.5	95	45	12.5	10.0	4	14.5	..*M16x1.5
M16	1.0	75	30	12.5	10.0	4	15.0	..*M16x1
M18	2.0	95	45	14.0	11.0	4	16.0	..*M18x2
M18	1.5	95	45	14.0	11.0	4	16.5	..*M18x1.5
M18	1.0	80	30	14.0	11.0	4	17.0	..*M18x1
M20	2.0	95	45	15.0	12.0	4	18.0	..*M20x2
M20	1.5	95	45	15.0	12.0	4	18.5	..*M20x1.5
M20	1.0	80	30	15.0	12.0	4	19.0	..*M20x1
M22	2.0	95	45	17.0	13.0	4	20.0	..*M22x2
M22	1.5	95	45	17.0	13.0	4	20.5	..*M22x1.5
M22	1.0	85	30	17.0	13.0	4	21.0	..*M22x1
M24	2.0	95	45	19.0	15.0	4	22.0	..*M24x2
M24	1.5	95	45	19.0	15.0	4	22.5	..*M24x1.5
M24	1.0	90	30	19.0	15.0	4	23.0	..*M24x1
M27	2.0	95	45	20.0	15.0	4	25.0	..*M27x2
M27	1.5	95	45	20.0	15.0	4	25.5	..*M27x1.5
M30	3.0	135	65	23.0	17.0	4	27.0	..*M30x3
M30	2.0	105	45	23.0	17.0	4	28.0	..*M30x2
M30	1.5	105	45	23.0	17.0	4	28.5	..*M30x1.5

Ordering example: Hand taps 4101M18x1 HSS
Bestellbeispiel: Handgewindebohrer 4101M18x1 HSS
Начин на заявяване: Метчици ръчни 4101M18x1 HSS

Machine Taps
for ISO metric Fine thread
according to DIN 13
Grade of fit: ISO 2 (6H)
Passing shank
Ground thread
Form A 6-8 threads chamfered
Form C 2-3 threads chamfered

Maschinengewindebohrer
für metrisches ISO-Feingewinde
nach DIN 13
Toleranzfeld: ISO 2 (6H)
Überlaufschaft
Geschliffenes Gewinde
Form A 6-8 Gang Anschnitt
Form C 2-3 Gang Anschnitt

Метчици машинни
за метрична ISO резба
ситна стъпка по DIN 13
Клас на точност: ISO 2 (6H)
Преминаваща опашка
Шлифована резба
Форма A 6-8 навивки конус
Форма C 2-3 навивки конус





Mf DIN 374

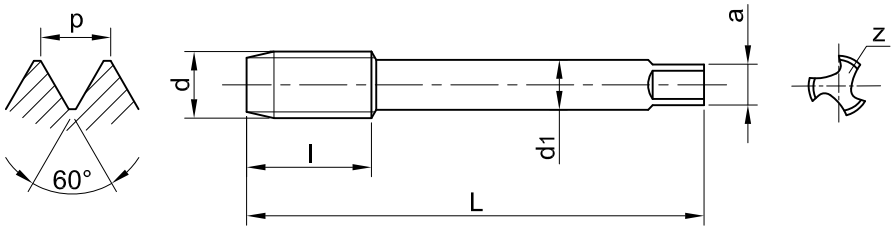
d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. A 2501*.. Art. No. C 2503*..
M3	0.35	56	9	2.2	-	3	2.65	..* M3x0.35
M3.5	0.35	56	10	2.5	2.1	3	3.15	..* M3.5x0.35
M4	0.35	63	10	2.8	2.1	3	3.65	..* M4x0.35
M4	0.5	63	10	2.8	2.1	3	3.5	..* M4x0.5
M4.5	0.5	70	12	3.5	2.7	3	4.0	..* M4.5x0.5
M5	0.5	70	12	3.5	2.7	3	4.5	..* M5x0.5
M5.5	0.5	80	12	4	3.0	3	5.0	..* M5.5x0.5
M6	0.75	80	14	4.5	3.4	3	5.2	..* M6x0.75
M7	0.75	80	14	5.5	4.3	3	6.2	..* M7x0.75
M8	0.75	80	19	6	4.9	3	7.2	..* M8x0.75
M8	1.0	90	22	6	4.9	3	7.0	..* M8x1
M9	0.75	80	19	7	5.5	3	8.2	..* M9x0.75
M9	1.0	90	22	7	5.5	3	8.0	..* M9x1
M10	0.75	90	20	7	5.5	3	9.2	..* M10x0.75
M10	1.0	90	20	7	5.5	3	9.0	..* M10x1
M10	1.25	100	24	7	5.5	3	8.8	..* M10x1.25
M11	0.75	90	20	8	6.2	3	10.2	..* M11x0.75
M11	1.0	90	20	8	6.2	3	10.0	..* M11x1
M12	1.0	100	22	9	7.0	3	11.0	..* M12x1
M12	1.25	100	22	9	7.0	3	10.8	..* M12x1.25
M12	1.5	100	22	9	7.0	3	10.5	..* M12x1.5
M14	1.0	100	22	11	9.0	3	13.0	..* M14x1
M14	1.25	100	22	11	9.0	3	12.8	..* M14x1.25
M14	1.5	100	22	11	9.0	3	12.5	..* M14x1.5
M15	1.0	100	22	12	9.0	3	14.0	..* M15x1
M15	1.5	100	22	12	9.0	3	13.5	..* M15x1.5
M16	1.0	100	22	12	9.0	3	15.0	..* M16x1
M16	1.25	100	22	12	9.0	3	14.8	..* M16x1.25
M16	1.5	100	22	12	9.0	3	14.5	..* M16x1.5
M17	1.0	100	22	12	9	3	16.0	..* M17x1
M17	1.5	100	22	12	9	3	15.5	..* M17x1.5
M18	1.0	110	25	14	11	4	17.0	..* M18x1
M18	1.5	110	25	14	11	4	16.5	..* M18x1.5
M18	2.0	125	34	14	11	4	16.0	..* M18x2
M20	1.0	125	25	16	12	4	19.0	..* M20x1

Ordering example: Machine taps 2501M3x0.35 HSSE
Bestellbeispiel: Maschinengewindebohrer 2501M3x0.35 HSSE
Начин на заявяване: Метчици машинни 2501M3x0.35 HSSE

Machine Taps
for ISO metric Fine thread
according to DIN 13
Grade of fit: ISO 2 (6H)
Passing shank
Ground thread
Form A 6-8 threads chamfered
Form C 2-3 threads chamfered

Maschinengewindebohrer
für metrisches ISO-Feingewinde
nach DIN 13
Toleranzfeld: ISO 2 (6H)
Überlaufschaft
Geschliffenes Gewinde
Form A 6-8 Gang Anschnitt
Form C 2-3 Gang Anschnitt

Метчици машинни
за метрична ISO резба
ситна стъпка по DIN 13
Клас на точност: ISO 2 (6H)
Преминаваща опашка
Шлифована резба
Форма A 6-8 навивки конус
Форма C 2-3 навивки конус





Mf DIN 374

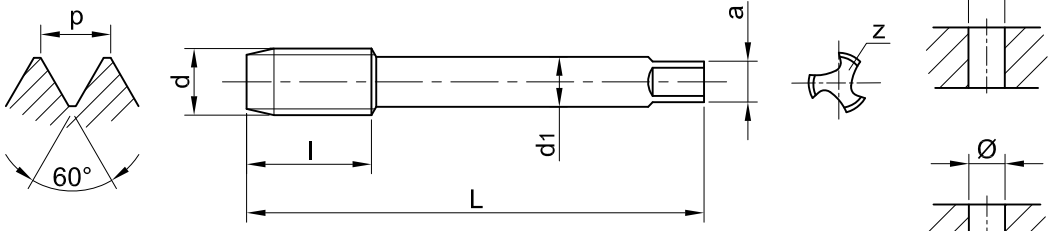
d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. A 2501*.. Art. No. C 2503*..
M20	1.5	125	25	16	12	4	18.5	..* M20x1.5
M20	2.0	140	34	16	12	4	18.0	..* M20x2
M22	1.0	125	25	18	14.5	4	21.0	..* M22x1
M22	1.5	125	25	18	14.5	4	20.5	..* M22x1.5
M22	2.0	140	34	18	14.5	4	20.0	..* M22x2
M24	1.0	140	28	18	14.5	4	23.0	..* M24x1
M24	1.5	140	28	18	14.5	4	22.5	..* M24x1.5
M24	2.0	140	28	18	14.5	4	22.0	..* M24x2
M25	1.0	140	28	18	14.5	4	24.0	..* M25x1
M25	1.5	140	28	18	14.5	4	23.5	..* M25x1.5
M25	2.0	140	28	18	14.5	4	23.0	..* M25x2
M26	1.0	140	28	18	14.5	4	25.0	..* M26x1.0
M26	1.5	140	28	18	14.5	4	24.5	..* M26x1.5
M26	2.0	140	28	18	14.5	4	24.0	..* M26x2.0
M27	1.0	140	28	20	16	4	26.0	..* M27x1
M27	1.5	140	28	20	16	4	25.5	..* M27x1.5
M27	2.0	140	28	20	16	4	25.0	..* M27x2
M28	1.0	140	28	20	16	4	27.0	..* M28x1
M28	1.5	140	28	20	16	4	26.5	..* M28x1.5
M28	2.0	140	28	20	16	4	26.0	..* M28x2
M29	1.5	150	28	22	18	4	27.5	..*M29x1.5
M30	1.0	150	28	22	18	4	29.0	..* M30x1.0
M30	1.5	150	28	22	18	4	28.5	..* M30x1.5
M30	2.0	150	28	22	18	4	28.0	..* M30x2
M30	2.5	180	45	22	18	4	27.5	..* M30x2.5
M30	3.0	180	45	22	18	4	27.0	..* M30x3
M32	1.5	150	28	22	18	4	30.5	..* M32x1.5
M32	2.0	150	28	22	18	4	30.0	..* M32x2
M33	1.5	160	30	25	20	4	31.5	..* M33x1.5
M33	2.0	160	30	25	20	4	31.0	..* M33x2
M33	3.0	180	50	25	20	4	30.0	..* M33x3
M35	1.5	170	30	28	22	4	33.5	..* M35x1.5
M36	1.5	170	30	28	22	4	34.5	..* M36x1.5
M36	2.0	170	30	28	22	4	34.0	..* M36x2
M36	3.0	200	56	28	22	4	33.0	..* M36x3

Ordering example: Machine taps 2501M20x1.5 HSSE
Bestellbeispiel: Maschinengewindebohrer 2501M20x1.5 HSSE
Начин на заявяване: Метчици машинни 2501M20x1.5 HSSE

Machine Taps
for ISO metric Fine thread
according to DIN 13
Grade of fit: ISO 2 (6H)
Passing shank
Ground thread
Form A 6-8 threads chamfered
Form C 2-3 threads chamfered

Maschinengewindebohrer
für metrisches ISO-Feingewinde
nach DIN 13
Toleranzfeld: ISO 2 (6H)
Überlaufschaft
Geschliffenes Gewinde
Form A 6-8 Gang Anschnitt
Form C 2-3 Gang Anschnitt

Метчици машинни
за метрична ISO резба
ситна стъпка по DIN 13
Клас на точност: ISO 2 (6H)
Преминаваща опашка
Шлифована резба
Форма A 6-8 навивки конус
Форма C 2-3 навивки конус





Mf DIN 374

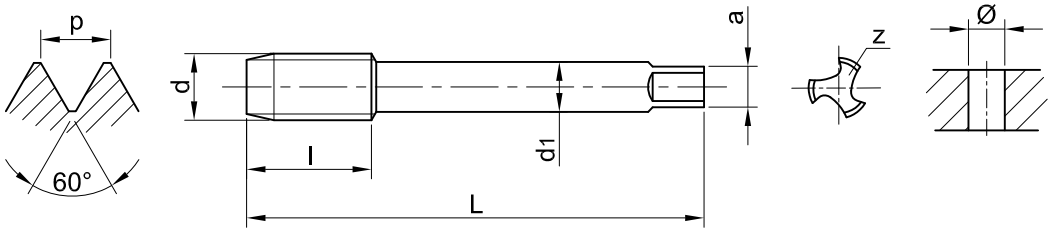
d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. A 2501*.. Art. No. C 2503*..
M38	1.5	170	30	28	22	4	830	..* M38x1.5
M39	1.5	170	30	32	24	4	880	..* M39x1.5
M39	2.0	170	30	32	24	4	880	..* M39x2
M39	3.0	200	60	32	24	4	1120	..* M39x3
M40	1.5	170	30	32	24	4	990	..* M40x1.5
M40	2.0	170	30	32	24	4	990	..* M40x2
M40	3.0	200	60	32	24	4	1200	..* M40x3
M42	1.5	170	30	32	24	4	1020	..* M42x1.5
M42	2.0	170	30	32	24	4	1020	..* M42x2
M42	3.0	200	60	32	24	4	1240	..* M42x3
M45	1.5	180	32	36	29	6	1300	..* M45x1.5
M45	2.0	180	32	36	29	6	1300	..* M45x2
M45	3.0	200	50	36	29	6	1520	..* M45x3
M45	4.0	220	65	36	29	6	1680	..* M45x4
M48	1.5	190	32	36	29	6	1440	..* M48x1.5
M48	2.0	190	32	36	29	6	1440	..* M48x2
M48	3.0	225	50	36	29	6	1720	..* M48x3
M48	4.0	250	70	36	29	6	1900	..* M48x4
M50	1.5	190	32	36	29	6	1500	..* M50x1.5
M50	2.0	190	32	36	29	6	1500	..* M50x2
M50	3.0	225	50	36	29	6	1880	..* M50x3
M52	1.5	190	32	40	32	6	1870	..* M52x1.5
M52	2.0	190	32	40	32	6	1870	..* M52x2
M52	3.0	225	50	40	32	6	2230	..* M52x3
M52	4.0	250	70	40	32	6	2450	..* M52x4

Ordering example: Machine taps 2501M20x1.5 HSSE
Bestellbeispiel: Maschinengewindebohrer 2501M20x1.5 HSSE
Начин на заявяване: Метчици машинни 2501M20x1.5 HSSE

Machine Taps
with spiral point for ISO metric
Fine thread according to DIN 13
Grade of fit: ISO 2 (6H)
Passing shank
Ground thread
Form B 4-5 threads chamfered

Maschinengewindebohrer
mit Schälanschnitt für metrisches
ISO-Feingewinde nach DIN 13
Toleranzfeld: ISO 2 (6H)
Überlaufschaft
Geschliffenes Gewinde
Form B 4-5 Gang Anschnitt

Метчици машинни
с подточени канали за метрична
ISO резба ситна стъпка по DIN 13
Клас на точност: ISO 2 (6H)
Преминаваща опашка
Шлифована резба
Форма B 4-5 навивки конус





Mf DIN 374 B

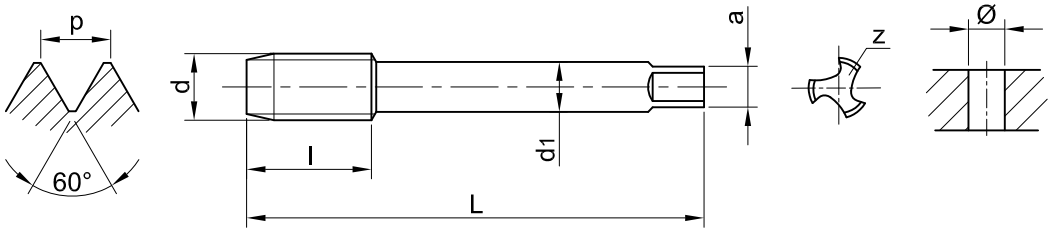
d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 2502*..
M3	0.35	56	9	2.2	1.8	3	2.65	2502M3x0.35
M3.5	0.35	56	10	2.5	2.1	3	3.15	2502M3.5x0.35
M4	0.35	63	10	2.8	2.1	3	3.65	2502M4x0.35
M4	0.5	63	10	2.8	2.1	3	3.5	2502M4x0.5
M4.5	0.5	70	12	3.5	2.7	3	4.0	2502M4.5x0.5
M5	0.5	70	12	3.5	2.7	3	4.5	2502M5x0.5
M5	0.75	70	12	3.5	2.7	3	4.2	2502M5x0.75
M5.5	0.5	80	12	4.0	3.0	3	5.0	2502M5.5x0.5
M6	0.5	80	14	4.5	3.4	3	5.5	2502M6x0.5
M6	0.75	80	14	4.5	3.4	3	5.2	2502M6x0.75
M7	0.75	80	14	5.5	4.3	3	6.2	2502M7x0.75
M8	0.5	80	19	6.0	4.9	3	7.5	2502M8x0.5
M8	0.75	80	19	6.0	4.9	3	7.2	2502M8x0.75
M8	1.0	90	22	6.0	4.9	3	7.0	2502M8x1
M9	0.75	80	19	7.0	5.5	3	8.2	2502M9x0.75
M9	1.0	90	22	7.0	5.5	3	8.0	2502M9x1
M10	0.75	90	20	7.0	5.5	3	9.2	2502M10x0.75
M10	1.0	90	20	7.0	5.5	3	9.0	2502M10x1
M10	1.25	100	24	7.0	5.5	3	8.8	2502M10x1.25
M11	0.75	90	20	8.0	6.2	3	10.2	2502M11x0.75
M11	1.0	90	20	8.0	6.2	3	10.0	2502M11x1
M11	1.25	90	22	8.0	6.2	3	9.8	2502M11x1.25
M12	0.75	100	22	9.0	7	3	11.2	2502M12x0.75
M12	1.0	100	22	9.0	7	3	11.0	2502M12x1
M12	1.25	100	22	9.0	7	3	10.8	2502M12x1.25
M12	1.5	100	22	9.0	7	3	10.5	2502M12x1.5
M13	1.0	100	22	11.0	9	3	12.0	2502M13x1
M13	1.25	100	22	11.0	9	3	11.8	2502M13x1.25
M13	1.5	100	22	11.0	9	3	11.5	2502M13x1.5
M14	0.75	100	22	11	9	3	13.2	2502M14x0.75
M14	1.0	100	22	11	9	3	13.0	2502M14x1
M14	1.25	100	22	11	9	3	12.8	2502M14x1.25
M14	1.5	100	22	11	9	3	12.5	2502M14x1.5
M15	1.0	100	22	12	9	3	14.0	2502M15x1
M15	1.5	100	22	12	9	3	13.5	2502M15x1.5
M16	1.0	100	22	12	9	3	15.0	2502M16x1
M16	1.25	100	22	12	9	3	14.8	2502M16x1.25
M16	1.5	100	22	12	9	3	14.5	2502M16x1.5

Ordering example: Machine taps 2502M3x0.35 HSSE
Bestellbeispiel: Maschinengewindebohrer 2502M3x0.35 HSSE
Начин на заявяване: Метчици машинни 2502M3x0.35 HSSE

Machine Taps
with spiral point for ISO metric
Fine thread according to DIN 13
Grade of fit: ISO 2 (6H)
Passing shank
Ground thread
Form B 4-5 threads chamfered

Maschinengewindebohrer
mit Schälanschnitt für metrisches
ISO-Feingewinde nach DIN 13
Toleranzfeld: ISO 2 (6H)
Überlaufschaft
Geschliffenes Gewinde
Form B 4-5 Gang Anschnitt

Метчици машинни
с подточени канали за метрична
ISO резба ситна стъпка по DIN 13
Клас на точност: ISO 2 (6H)
Преминаваща опашка
Шлифована резба
Форма B 4-5 навивки конус





Mf DIN 374 B

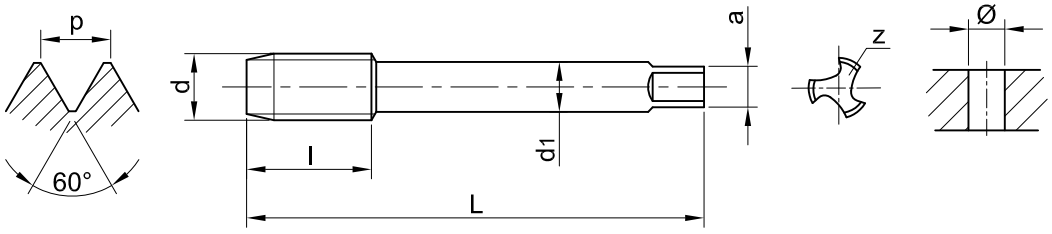
d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 2502*..
M17	1.0	100	22	12	9	3	16.0	2502M17x1
M17	1.5	100	22	12	9	3	15.5	2502M17x1.5
M18	1.0	110	25	14	11	4	17.0	2502M18x1
M18	1.25	110	25	14	11	4	16.8	2502M18x1.25
M18	1.5	110	25	14	11	4	16.5	2502M18x1.5
M18	2.0	125	34	14	11	4	16.0	2502M18x2
M20	1.0	125	25	16	12	4	19.0	2502M20x1
M20	1.25	125	25	16	12	4	18.8	2502M20x1.25
M20	1.5	125	25	16	12	4	18.5	2502M20x1.5
M20	2.0	140	34	16	12	4	18.0	2502M20x2
M21	1.5	125	25	16	12	4	19.5	2502M21x1.5
M22	1.0	125	25	18	14.5	4	21.0	2502M22x1
M22	1.25	125	25	18	14.5	4	20.8	2502M22x1.25
M22	1.5	125	25	18	14.5	4	20.5	2502M22x1.5
M22	2.0	140	34	18	14.5	4	20.0	2502M22x2
M23	1.5	125	25	18	14.5	4	21.5	2502M23x1.5
M24	1.0	140	28	18	14.5	4	23.0	2502M24x1
M24	1.25	140	28	18	14.5	4	22.8	2502M24x1.25
M24	1.5	140	28	18	14.5	4	22.5	2502M24x1.5
M24	2.0	140	28	18	14.5	4	22.0	2502M24x2
M25	1.0	140	28	18	14.5	4	24.0	2502M25x1
M25	1.5	140	28	18	14.5	4	23.5	2502M25x1.5
M25	2.0	140	28	18	14.5	4	23.0	2502M25x2
M26	1.0	140	28	18	14.5	4	25.0	2502M26x1
M26	1.5	140	28	18	14.5	4	24.5	2502M26x1.5
M26	2.0	140	28	18	14.5	4	24.0	2502M26x2
M27	1.0	140	28	20	16	4	26.0	2502M27x1
M27	1.5	140	28	20	16	4	25.5	2502M27x1.5
M27	2.0	140	28	20	16	4	25.0	2502M27x2
M28	1.0	140	28	20	16	4	27.0	2502M28x1
M28	1.5	140	28	20	16	4	26.5	2502M28x1.5
M28	2.0	140	28	20	16	4	26.0	2502M28x2
M29	1.5	150	28	22	18	4	27.5	2502M29x1.5
M30	1.0	150	28	22	18	4	29.0	2502M30x1
M30	1.5	150	28	22	18	4	28.5	2502M30x1.5
M30	2.0	150	28	22	18	4	28.0	2502M30x2
M30	2.5	180	45	22	18	4	27.5	2502M30x2.5
M30	3.0	180	45	22	18	4	27.0	2502M30x3

Ordering example: Machine taps 2502M17x1 HSSE
Bestellbeispiel: Maschinengewindebohrer 2502M17x1 HSSE
Начин на заявяване: Метчици машинни 2502M17x1 HSSE

Machine Taps
with spiral point for ISO metric
Fine thread according to DIN 13
Grade of fit: ISO 2 (6H)
Passing shank
Ground thread
Form B 4-5 threads chamfered

Maschinengewindebohrer
mit Schälanschnitt für metrisches
ISO-Feingewinde nach DIN 13
Toleranzfeld: ISO 2 (6H)
Überlaufschaft
Geschliffenes Gewinde
Form B 4-5 Gang Anschnitt

Метчици машинни
с подточени канали за метрична
ISO резба ситна стъпка по DIN 13
Клас на точност: ISO 2 (6H)
Преминаваща опашка
Шлифована резба
Форма B 4-5 навивки конус





Mf DIN 374 B

d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 2502*..
M32	1.5	150	28	22	18	4	30.5	2502M32x1.5
M32	2.0	150	28	22	18	4	30.0	2502M32x2
M32	3.0	180	50	22	18	4	29.0	2502M32x3
M33	1.5	160	30	25	20	4	31.5	2502M33x1.5
M33	2.0	160	30	25	20	4	31.0	2502M33x2
M33	3.0	180	50	25	20	4	30.0	2502M33x3
M34	1.5	170	30	28	22	4	32.5	2502M34x1.5
M34	2.0	170	30	28	22	4	32.0	2502M34x2
M35	1.5	170	30	28	22	4	33.5	2502M35x1.5
M36	1.5	170	30	28	22	4	34.5	2502M36x1.5
M36	2.0	170	30	28	22	4	34.0	2502M36x2
M36	3.0	200	56	28	22	4	33.0	2502M36x3
M38	1.5	170	30	28	22	4	36.5	2502M38x1.5
M39	1.5	170	30	32	24	4	37.5	2502M39x1.5
M39	2.0	170	30	32	24	4	37.0	2502M39x2
M39	3.0	200	60	32	24	4	36.0	2502M39x3
M40	1.5	170	30	32	24	4	38.5	2502M40x1.5
M40	2.0	170	30	32	24	4	38.0	2502M40x2
M40	3.0	200	60	32	24	4	37.0	2502M40x3
M42	1.5	170	30	32	24	4	40.5	2502M42x1.5
M42	2.0	170	30	32	24	4	40.0	2502M42x2
M42	3.0	200	60	32	24	4	39.0	2502M42x3
M45	1.5	180	32	36	29	6	43.5	2502M45x1.5
M45	2.0	180	32	36	29	6	43.0	2502M45x2
M45	3.0	200	50	36	29	6	42.0	2502M45x3
M45	4.0	220	65	36	29	6	41.0	2502M45x4
M48	1.5	190	32	36	29	6	46.5	2502M48x1.5
M48	2.0	190	32	36	29	6	46.0	2502M48x2
M48	3.0	225	50	36	29	6	45.0	2502M48x3
M48	4.0	250	70	36	29	6	44.0	2502M48x4
M50	1.5	190	32	36	29	6	48.5	2502M50x1.5
M50	2.0	190	32	36	29	6	48.0	2502M50x2
M50	3.0	225	50	36	29	6	47.0	2502M50x3
M52	1.5	190	32	40	32	6	50.5	2502M52x1.5
M52	2.0	190	32	40	32	6	50.0	2502M52x2
M52	3.0	225	50	40	32	6	49.0	2502M52x3
M52	4.0	250	70	40	32	6	48.0	2502M52x4

Ordering example: Machine taps 2502M32x1.5 HSSE
Bestellbeispiel: Maschinengewindebohrer 2502M32x1.5 HSSE
Начин на заявяване: Метчици машинни 2502M32x1.5 HSSE

Machine Taps

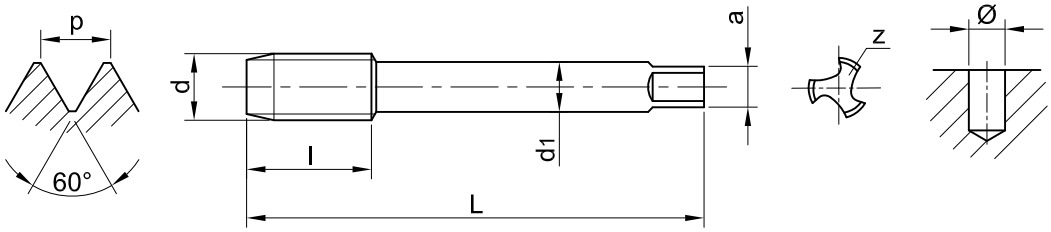
with helical flutes R35° for ISO metric Fine thread according to DIN 13
Grade of fit: ISO 2 (6H)
Passing shank
Ground thread
Form C 2-3 threads chamfered

Maschinengewindebohrer

drallgenutet R35° für metrisches ISO-Feingewinde nach DIN 13
Toleranzfeld: ISO 2 (6H)
Überlaufschaft
Geschliffenes Gewinde
Form C 2-3 Gang Anschnitt

Метчици машинни

с винтови канали R35° за метрична ISO резба ситна стъпка по DIN 13
Клас на точност: ISO 2 (6H)
Преминаваща опашка
Шлифована резба
Форма C 2-3 навивки конус





Mf DIN 374 35°

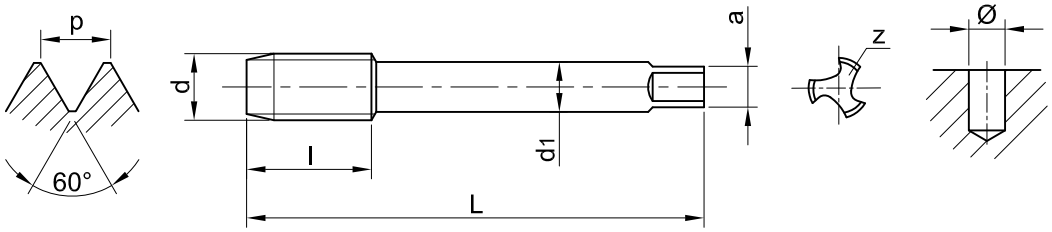
d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 2506*..
M3	0.35	56	5	2.2	1.8	3	2.65	2506M3x0.35
M3.5	0.35	56	5	2.5	2.1	3	3.15	2506M3.5x0.35
M4	0.35	63	5	2.8	2.1	3	3.65	2506M4x0.35
M4	0.5	63	5	2.8	2.1	3	3.5	2506M4x0.5
M4.5	0.5	70	5	3.5	2.7	3	4.0	2506M4.5x0.5
M5	0.5	70	5	3.5	2.7	3	4.5	2506M5x0.5
M5	0.75	70	8	3.5	2.7	3	4.2	2506M5x0.75
M5.5	0.5	80	5	4.0	3.0	3	5.0	2506M5.5x0.5
M6	0.5	80	5	4.5	3.4	3	5.5	2506M6x0.5
M6	0.75	80	8	4.5	3.4	3	5.2	2506M6x0.75
M7	0.75	80	8	5.5	4.3	3	6.2	2506M7x0.75
M8	0.5	80	8	6.0	4.9	3	7.5	2506M8x0.5
M8	0.75	80	8	6.0	4.9	3	7.2	2506M8x0.75
M8	1.0	90	10	6.0	4.9	3	7.0	2506M8x1
M9	0.75	80	10	7.0	5.5	3	8.2	2506M9x0.75
M9	1.0	90	10	7.0	5.5	3	8.0	2506M9x1
M10	0.75	90	10	7.0	5.5	3	9.2	2506M10x0.75
M10	1.0	90	10	7.0	5.5	3	9.0	2506M10x1
M10	1.25	100	16	7.0	5.5	3	8.8	2506M10x1.25
M11	0.75	90	10	8.0	6.2	3	10.2	2506M11x0.75
M11	1.0	90	11	8.0	6.2	3	10.0	2506M11x1
M11	1.25	90	14	8.0	6.2	3	9.8	2506M11x1.25
M12	0.75	100	10	9.0	7	3	11.2	2506M12x0.75
M12	1.0	100	11	9.0	7	3	11.0	2506M12x1
M12	1.25	100	15	9.0	7	3	10.8	2506M12x1.25
M12	1.5	100	15	9.0	7	3	10.5	2506M12x1.5
M13	1.0	100	11	11.0	9	3	12.0	2506M13x1
M13	1.5	100	15	11.0	9	3	11.5	2506M13x1.5
M14	0.75	100	10	11	9	3	13.2	2506M14x0.75
M14	1.0	100	11	11	9	3	13.0	2506M14x1
M14	1.25	100	15	11	9	3	12.8	2506M14x1.25
M14	1.5	100	15	11	9	3	12.5	2506M14x1.5
M15	1.0	100	12	12	9	3	14.0	2506M15x1
M15	1.5	100	15	12	9	3	13.5	2506M15x1.5
M16	1.0	100	12	12	9	3	15.0	2506M16x1
M16	1.25	100	15	12	9	3	14.8	2506M16x1.25

Ordering example: Machine taps 2506M3x0.35 HSSE
Bestellbeispiel: Maschinengewindebohrer 2506M3x0.35 HSSE
Начин на заявяване: Метчици машинни 2506M3x0.35 HSSE

Machine Taps
with helical flutes R35° for ISO metric Fine thread according to DIN 13
Grade of fit: ISO 2 (6H)
Passing shank
Ground thread
Form C 2-3 threads chamfered

Maschinengewindebohrer
drallgenutet R35° für metrisches ISO-Feingewinde nach DIN 13
Toleranzfeld: ISO 2 (6H)
Überlaufschaft
Geschliffenes Gewinde
Form C 2-3 Gang Anschnitt

Метчици машинни
с винтови канали R35° за метрична ISO резба ситна стъпка по DIN 13
Клас на точност: ISO 2 (6H)
Преминаваща опашка
Шлифована резба
Форма C 2-3 навивки конус





Mf DIN 374 35°

d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 2506*..
M16	1.5	100	15	12	9	3	14.5	2506M16x1.5
M17	1.0	100	12	12	9	3	16.0	2506M17x1
M17	1.5	100	15	12	9	3	15.5	2506M17x1.5
M18	1.0	110	13	14	11	4	17.0	2506M18x1
M18	1.25	110	15	14	11	4	16.8	2506M18x1.25
M18	1.5	110	17	14	11	4	16.5	2506M18x1.5
M18	2.0	125	20	14	11	4	16.0	2506M18x2
M20	1.0	125	14	16	12	4	19.0	2506M20x1
M20	1.25	125	17	16	12	4	18.8	2506M20x1.25
M20	1.5	125	17	16	12	4	18.5	2506M20x1.5
M20	2.0	140	20	16	12	4	18.0	2506M20x2
M21	1.0	125	14	16	12	4	20.0	2506M21x1.0
M21	1.25	125	17	16	12	4	19.8	2506M21x1.25
M21	1.5	125	17	16	12	4	19.5	2506M21x1.5
M21	2.0	140	20	16	12	4	19.0	2506M21x2.0
M22	1.0	125	14	18	14.5	4	21.0	2506M22x1
M22	1.25	125	17	18	14.5	4	20.8	2506M22x1.25
M22	1.5	125	17	18	14.5	4	20.5	2506M22x1.5
M22	2.0	140	20	18	14.5	4	20.0	2506M22x2
M23	1.5	125	17	18	14.5	4	21.5	2506M23x1.5
M24	1.0	140	15	18	14.5	4	23.0	2506M24x1
M24	1.25	140	17	18	14.5	4	22.8	2506M24x1.25
M24	1.5	140	20	18	14.5	4	22.5	2506M24x1.5
M24	2.0	140	20	18	14.5	4	22.0	2506M24x2
M25	1.0	140	15	18	14.5	4	24.0	2506M25x1
M25	1.5	140	20	18	14.5	4	23.5	2506M25x1.5
M25	2.0	140	20	18	14.5	4	23.0	2506M25x2
M26	1.0	140	15	18	14.5	4	25.0	2506M26x1
M26	1.5	140	20	18	14.5	4	24.5	2506M26x1.5
M26	2.0	140	20	18	14.5	4	24.0	2506M26x2
M27	1.0	140	15	20	16	4	26.0	2506M27x1
M27	1.5	140	20	20	16	4	25.5	2506M27x1.5
M27	2.0	140	20	20	16	4	25.0	2506M27x2
M28	1.0	140	15	20	16	4	27.0	2506M28x1
M28	1.5	140	20	20	16	4	26.5	2506M28x1.5
M28	2.0	140	20	20	16	4	26.0	2506M28x2

Ordering example: Machine taps 2506M16x1.5 HSSE
Bestellbeispiel: Maschinengewindebohrer 2506M16x1.5 HSSE
Начин на заявяване: Метчици машинни 2506M16x1.5 HSSE

Machine Taps

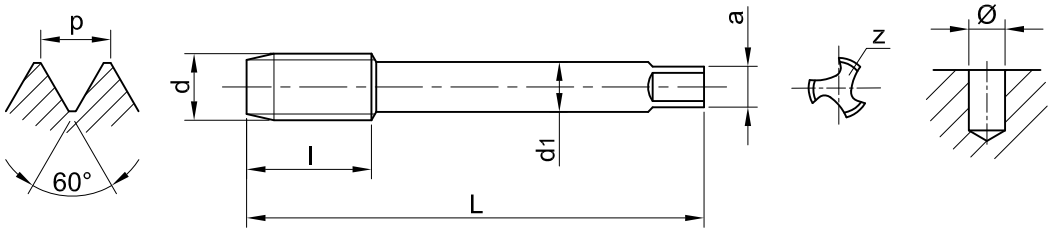
with helical flutes R35° for ISO metric Fine thread according to DIN 13
Grade of fit: ISO 2 (6H)
Passing shank
Ground thread
Form C 2-3 threads chamfered

Maschinengewindebohrer

drallgenutet R35° für metrisches ISO-Feingewinde nach DIN 13
Toleranzfeld: ISO 2 (6H)
Überlaufschaft
Geschliffenes Gewinde
Form C 2-3 Gang Anschnitt

Метчици машинни

с винтови канали R35° за метрична ISO резба ситна стъпка по DIN 13
Клас на точност: ISO 2 (6H)
Преминаваща опашка
Шлифована резба
Форма C 2-3 навивки конус





Mf DIN 374 35°

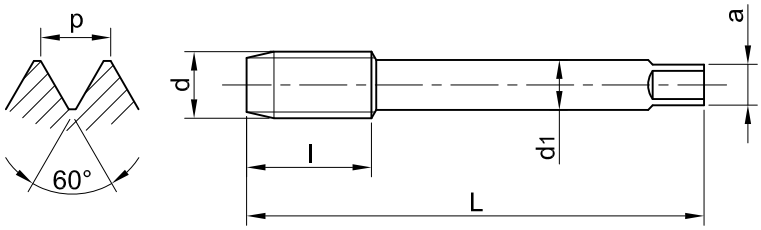
d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 2506*..
M29	1.5	150	22	22	18	4	27.5	2506M29x1.5
M30	1.0	150	17	22	18	4	29.0	2506M30x1
M30	1.5	150	22	22	18	4	28.5	2506M30x1.5
M30	2.0	150	22	22	18	4	28.0	2506M30x2
M30	2.5	180	27	22	18	4	27.5	2506M30x2.5
M30	3.0	180	30	22	18	4	27.0	2506M30x3
M32	1.5	150	22	22	18	4	30.5	2506M32x1.5
M32	2.0	150	22	22	18	4	30.0	2506M32x2
M32	3.0	180	30	22	18	4	29.0	2506M32x3
M33	1.5	160	24	25	20	4	31.5	2506M33x1.5
M33	2.0	160	24	25	20	4	31.0	2506M33x2
M33	3.0	180	30	25	20	4	30.0	2506M33x3
M34	1.5	170	24	28	22	4	32.5	2506M34x1.5
M34	2.0	170	24	28	22	4	32.0	2506M34x2
M35	1.5	170	24	28	22	4	33.5	2506M35x1.5
M36	1.5	170	24	28	22	4	34.5	2506M36x1.5
M36	2.0	170	24	28	22	4	34.0	2506M36x2
M36	3.0	200	30	28	22	4	33.0	2506M36x3
M38	1.5	170	24	28	22	4	36.5	2506M38x1.5
M39	1.5	170	25	32	24	4	37.5	2506M39x1.5
M39	2.0	170	25	32	24	4	37.0	2506M39x2
M39	3.0	200	30	32	24	4	36.0	2506M39x3
M40	1.5	170	25	32	24	4	38.5	2506M40x1.5
M40	2.0	170	25	32	24	4	38.0	2506M40x2
M40	3.0	200	30	32	24	4	37.0	2506M40x3
M42	1.5	170	25	32	24	4	40.5	2506M42x1.5
M42	2.0	170	25	32	24	4	40.0	2506M42x2
M42	3.0	200	30	32	24	4	39.0	2506M42x3
M45	1.5	180	27	36	29	6	43.5	2506M45x1.5
M45	2.0	180	27	36	29	6	43.0	2506M45x2
M45	3.0	200	30	36	29	6	42.0	2506M45x3
M45	4.0	220	40	36	29	6	41.0	2506M45x4
M48	1.5	190	27	36	29	6	46.5	2506M48x1.5
M48	2.0	190	27	36	29	6	46.0	2506M48x2
M48	3.0	225	33	36	29	6	45.0	2506M48x3
M48	4.0	250	45	36	29	6	44.0	2506M48x4

Ordering example: Machine taps 2506M29x1.5 HSSE
Bestellbeispiel: Maschinengewindebohrer 2506M29x1.5 HSSE
Начин на заявяване: Метчици машинни 2506M29x1.5 HSSE

Machine Taps
with helical flutes R35° for ISO metric Fine thread according to DIN 13
Grade of fit: ISO 2 (6H)
Passing shank
Ground thread
Form C 2-3 threads chamfered

Maschinengewindebohrer
drallgenutet R35° für metrisches ISO-Feingewinde nach DIN 13
Toleranzfeld: ISO 2 (6H)
Überlaufschaft
Geschliffenes Gewinde
Form C 2-3 Gang Anschnitt

Метчици машинни
с винтови канали R35° за метрична ISO резба ситна стъпка по DIN 13
Клас на точност: ISO 2 (6H)
Преминаваща опашка
Шлифована резба
Форма C 2-3 навивки конус





Mf DIN 374 35°

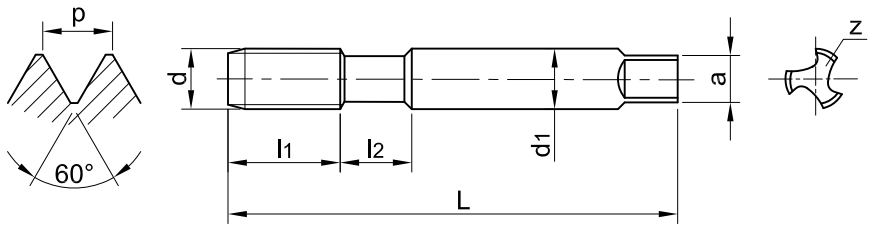
d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 2506*..
M50	1.5	190	27	36	29	6	48.5	2506M50x1.5
M50	2.0	190	27	36	29	6	48.0	2506M50x2
M50	3.0	225	33	36	29	6	47.0	2506M50x3
M52	1.5	190	27	40	32	6	50.5	2506M52x1.5
M52	2.0	190	27	40	32	6	50.0	2506M52x2
M52	3.0	225	33	40	32	6	49.0	2506M52x3
M52	4.0	250	46	40	32	6	48.0	2506M52x4

Ordering example: Machine taps 2506M50x1.5 HSSE
Bestellbeispiel: Maschinengewindebohrer 2506M50x1.5 HSSE
Начин на заявяване: Метчици машинни 2506M50x1.5 HSSE

Machine Taps
with spiral point
for ISO metric fine thread
according to DIN 13
Grade of fit: ISO 2 (6H)
Ground thread
Form B 4-5 threads chamfered

Maschinengewindebohrer
mit Schälanschnitt
für metrisches ISO-Feingewinde
nach DIN 13
Toleranzfeld: ISO 2 (6H)
Geschliffenes Gewinde
Form B 4-5 Gang Anschnitt

Метчици машинни
с подточени канали
за метрична ISO резба
ситна стъпка по DIN 13
Клас на точност: ISO 2 (6H)
Шлифована резба
Форма B 4-5 навивки конус





Mf ISO 529 B

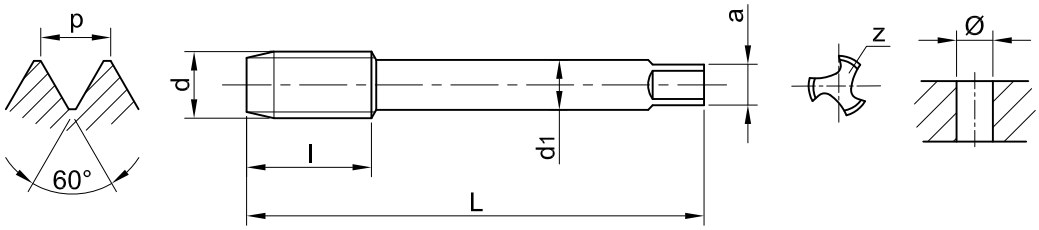
d	p mm	L mm	l1 mm	l2 mm	d1 mm	a mm	z	Ø	Art. No. 3202*..
M3	0.35	48	11	7	3.15	2.5	3	2.15	3202M3x0.35
M3.5	0.35	50	13	7	3.55	2.8	3	2.65	3202M3.5x0.35
M4	0.5	53	13	8	4.0	3.15	3	3.5	3202M4x0.5
M4.5	0.5	53	13	8	4.5	3.55	3	4.0	3202M4.5x0.5
M5	0.5	58	16	9	5.0	4.0	3	4.5	3202M5x0.5
M5.5	0.5	62	17	9	5.6	4.5	3	5.0	3202M5.5x0.5
M6	0.5	66	19	11	6.3	5.0	3	5.5	3202M6x0.5
M6	0.75	66	19	11	6.3	5.0	3	5.2	3202M6x0.75
M7	0.5	66	19	11	7.1	5.6	3	6.5	3202M7x0.5
M7	0.75	66	19	11	7.1	5.6	3	6.2	3202M7x0.75
M8	0.5	69	19	13	8.0	6.3	3	7.5	3202M8x0.5
M8	0.75	69	19	13	8.0	6.3	3	7.2	3202M8x0.75
M8	1.0	69	19	13	8.0	6.3	3	7.0	3202M8x1
M9	0.5	69	19	14	9.0	7.1	3	8.5	3202M9x0.5
M9	0.75	69	19	14	9.0	7.1	3	8.2	3202M9x0.75
M9	1.0	69	19	14	9.0	7.1	3	8.0	3202M9x1
M10	0.75	76	20	15	10.0	8.0	3	9.2	3202M10x0.75
M10	1.0	76	20	15	10.0	8.0	3	9.0	3202M10x1
M10	1.25	76	20	15	10.0	8.0	3	8.8	3202M10x1.25
M11	0.75	80	20		8.0	6.3	3	10.2	3202M11x0.75
M11	1.0	80	20		8.0	6.3	3	10.0	3202M11x1
M12	1.0	84	24		9.0	7.1	3	11.0	3202M12x1
M12	1.25	84	24		9.0	7.1	3	9.8	3202M12x1.25
M12	1.5	89	29		9.0	7.1	3	10.5	3202M12x1.5
M14	1.0	90	25		11.2	9.0	3	13.0	3202M14x1
M14	1.25	90	25		11.2	9.0	3	12.8	3202M14x1.25
M14	1.5	95	30		11.2	9.0	3	12.5	3202M14x1.5
M15	1.0	87	22		11.2	9.0	3	14.0	3202M15x1
M15	1.5	95	30		11.2	9.0	3	13.5	3202M15x1.5
M16	1.0	95	25		12.5	10.0	3	15.0	3202M16x1
M16	1.25	95	25		12.5	10.0	3	14.8	3202M16x1.25
M16	1.5	102	32		12.5	10.0	3	14.5	3202M16x1.5
M17	1.0	92	22		12.5	10.0	3	16.0	3202M17x1
M17	1.5	102	32		12.5	10.0	3	15.5	3202M17x1.5
M18	1.0	104	29		14.0	11.2	3	17.0	3202M18x1
M18	1.25	104	29		14.0	11.2	3	16.8	3202M18x1.25
M18	1.5	104	29		14.0	11.2	3	16.5	3202M18x1.5
M18	2.0	112	37		14.0	11.2	3	16.0	3202M18x2

Ordering example: Machine taps 3202M3x0.35 HSSE
Bestellbeispiel: Maschinengewindebohrer 3202M3x0.35 HSSE
Начин на заявяване: Метчици мешинни 3202M3x0.35 HSSE

Machine Taps
with spiral point
for ISO metric fine thread
according to DIN 13
Grade of fit: ISO 2 (6H)
Ground thread
Form B 4-5 threads chamfered

Maschinengewindebohrer
mit Schälanschnitt
für metrisches ISO-Feingewinde
nach DIN 13
Toleranzfeld: ISO 2 (6H)
Geschliffenes Gewinde
Form B 4-5 Gang Anschnitt

Метчици машинни
с подточени канали
за метрична ISO резба
ситна стъпка по DIN 13
Клас на точност: ISO 2 (6H)
Шлифована резба
Форма B 4-5 навивки конус





Mf ISO 529 B

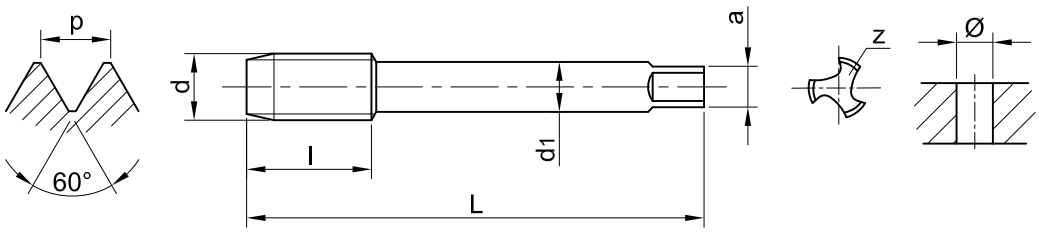
d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 3202*..
M20	1.0	104	29	14.0	11.2	3	19.0	3202M20x1
M20	1.25	104	29	14.0	11.2	3	18.8	3202M20x1.25
M20	1.5	104	29	14.0	11.2	3	18.5	3202M20x1.5
M20	2.0	112	37	14.0	11.2	3	18.0	3202M20x2
M22	1.0	109	29	16.0	12.5	3	21.0	3202M22x1
M22	1.25	109	29	16.0	12.5	3	20.8	3202M22x1.25
M22	1.5	113	33	16.0	12.5	3	20.5	3202M22x1.5
M22	2.0	118	38	16.0	12.5	3	20.0	3202M22x2
M24	1.0	114	29	18.0	14.0	3	23.0	3202M24x1
M24	1.25	114	29	18.0	14.0	3	22.8	3202M24x1.25
M24	1.5	120	35	18.0	14.0	3	22.5	3202M24x1.5
M24	2.0	120	35	18.0	14.0	3	22.0	3202M24x2
M25	1.0	114	29	18.0	14.0	3	24.0	3202M25x1
M25	1.5	120	35	18.0	14.0	3	23.5	3202M25x1.5
M25	2.0	120	35	18.0	14.0	3	23.0	3202M25x2
M26	1.5	120	35	18.0	14.0	3	24.5	3202M26x1.5
M27	1.0	120	30	20.0	16.0	3	26.0	3202M27x1
M27	1.5	127	37	20.0	16.0	3	25.5	3202M27x1.5
M27	2.0	127	37	20.0	16.0	3	25.0	3202M27x2
M28	1.0	120	30	20.0	16.0	3	27.0	3202M28x1
M28	1.5	127	37	20.0	16.0	3	26.5	3202M28x1.5
M28	2.0	127	37	20.0	16.0	3	26.0	3202M28x2
M30	1.0	120	30	20.0	16.0	3	29.0	3202M30x1
M30	1.5	127	37	20.0	16.0	3	28.5	3202M30x1.5
M30	2.0	127	37	20.0	16.0	3	28.0	3202M30x2
M30	2.5	127	37	20.0	16.0	3	27.5	3202M30x2.5
M30	3.0	138	48	20.0	16.0	3	27.0	3202M30x3
M32	1.5	137	37	22.4	18.0	4	30.5	3202M32x1.5
M32	2.0	137	37	22.4	18.0	4	30.0	3202M32x2
M32	3.0	151	51	22.4	18.0	4	29.0	3202M32x3
M33	1.5	137	37	22.4	18.0	4	31.5	3202M33x1.5
M33	2.0	137	37	22.4	18.0	4	31.0	3202M33x2
M33	3.0	151	51	22.4	18.0	4	30.0	3202M33x3
M35	1.5	144	39	25.0	20.0	4	33.5	3202M35x1.5
M36	1.5	144	39	25.0	20.0	4	34.5	3202M36x1.5
M36	2.0	144	39	25.0	20.0	4	34.0	3202M36x2
M36	3.0	162	57	25.0	20.0	4	33.0	3202M36x3
M38	1.5	149	39	28.0	22.4	4	36.5	3202M38x1.5

Ordering example: Machine taps 3202M20x1 HSSE
Bestellbeispiel: Maschinengewindebohrer 3202M20x1 HSSE
Начин на заявяване: Метчици мешинни 3202M20x1 HSSE

Machine Taps
with spiral point
for ISO metric fine thread
according to DIN 13
Grade of fit: ISO 2 (6H)
Ground thread
Form B 4-5 threads chamfered

Maschinengewindebohrer
mit Schälanschnitt
für metrisches ISO-Feingewinde
nach DIN 13
Toleranzfeld: ISO 2 (6H)
Geschliffenes Gewinde
Form B 4-5 Gang Anschnitt

Метчици машинни
с подточени канали
за метрична ISO резба
ситна стъпка по DIN 13
Клас на точност: ISO 2 (6H)
Шлифована резба
Форма B 4-5 навивки конус





Mf ISO 529 B

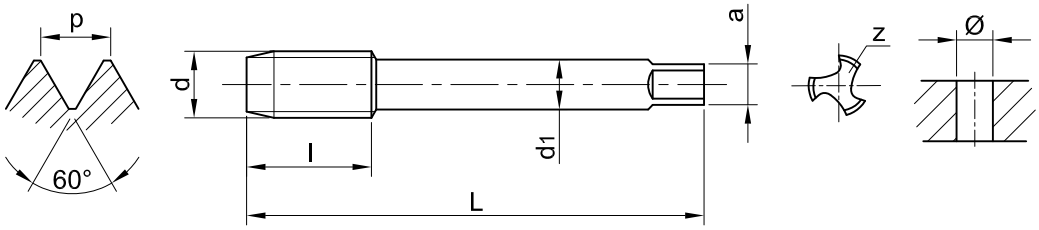
d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 3202*..
M39	1.5	149	39	28.0	22.4	4	37.5	3202M39x1.5
M39	2.0	149	39	28.0	22.4	4	37.0	3202M39x2
M39	3.0	170	60	28.0	22.4	4	36.0	3202M39x3
M40	1.5	149	39	28.0	22.4	4	38.5	3202M40x1.5
M40	2.0	149	39	28.0	22.4	4	38.0	3202M40x2
M40	3.0	170	60	28.0	22.4	4	37.0	3202M40x3
M42	1.5	149	39	28.0	22.4	4	40.5	3202M42x1.5
M42	2.0	149	39	28.0	22.4	4	40.0	3202M42x2
M42	3.0	170	60	28.0	22.4	4	39.0	3202M42x3
M42	4.0	170	60	28.0	22.4	4	38.0	3202M42x4
M45	1.5	165	45	31.5	25.0	6	43.5	3202M45x1.5
M45	2.0	165	45	31.5	25.0	6	43.0	3202M45x2
M45	3.0	187	67	31.5	25.0	6	42.0	3202M45x3
M45	4.0	187	67	31.5	25.0	6	41.0	3202M45x4
M48	1.5	165	45	31.5	25.0	6	46.5	3202M48x1.5
M48	2.0	165	45	31.5	25.0	6	46.0	3202M48x2
M48	3.0	187	67	31.5	25.0	6	45.0	3202M48x3
M48	4.0	187	67	31.5	25.0	6	44.0	3202M48x4
M50	1.5	165	45	31.5	25.0	6	48.5	3202M50x1.5
M50	2.0	165	45	31.5	25.0	6	48.0	3202M50x2
M50	3.0	187	67	31.5	25.0	6	47.0	3202M50x3
M52	1.5	175	45	35.5	28.0	6	50.5	3202M52x1.5
M52	2.0	175	45	35.5	28.0	6	50.0	3202M52x2
M52	3.0	200	70	35.5	28.0	6	49.0	3202M52x3
M52	4.0	200	70	35.5	28.0	6	48.0	3202M52x4

Ordering example: Machine taps 3202M39x1.5 HSSE
Bestellbeispiel: Maschinengewindebohrer 3202M39x1.5 HSSE
Начин на заявяване: Метчици машинни 3202M39x1.5 HSSE

Machine Taps
with spiral point
for ISO metric Fine thread
according to DIN 13
Grade of fit: ISO 2 (6H)
Ground thread
Form B 4-5 threads chamfered

Maschinengewindebohrer
mit Schälanschnitt
für metrisches ISO-Feingewinde
nach DIN 13
Toleranzfeld: ISO 2 (6H)
Geschliffenes Gewinde
Form B 4-5 Gang Anschnitt

Метчици машинни
с подточени канали
за метрична ISO резба
ситна стъпка по DIN 13
Клас на точност: ISO 2 (6H)
Шлифована резба
Форма B 4-5 навивки конус





Mf JIS B

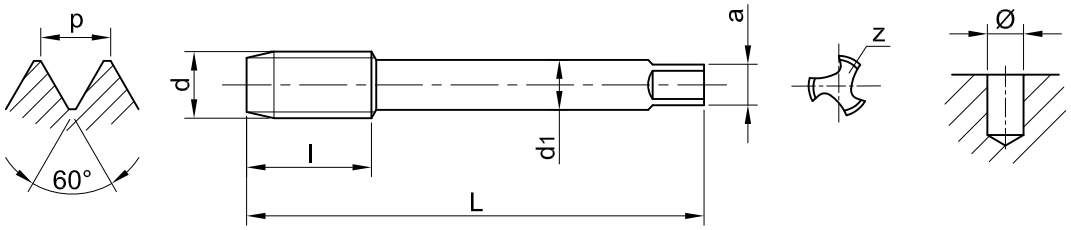
d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 4402*..
M4	0.5	52	13	5.0	4.0	3	3.5	4402M4x0.5
M5	0.5	55	13	5.5	4.5	3	4.5	4402M5x0.5
M6	0.75	62	19	6.0	4.5	3	5.2	4402M6x0.75
M6	0.5	55	13	6.0	4.5	3	5.5	4402M6x0.5
M8	1.0	70	22	6.2	5.0	3	7.0	4402M8x1
M8	0.75	70	22	6.2	5.0	3	7.2	4402M8x0.75
M10	1.25	75	24	7.0	5.5	3	8.8	4402M10x1.25
M10	1.0	75	24	7.0	5.5	3	9.0	4402M10x1
M12	1.5	82	29	8.5	6.5	3	10.5	4402M12x1.5
M12	1.25	82	29	8.5	6.5	3	10.8	4402M12x1.25
M12	1.0	82	29	8.5	6.5	3	11.0	4402M12x1
M14	1.5	88	30	10.5	8.0	3	12.5	4402M14x1.5
M14	1.25	88	30	10.5	8.0	3	12.8	4402M14x1.25
M14	1.0	88	30	10.5	8.0	3	13.0	4402M14x1
M16	1.5	95	32	12.5	10.0	3	14.5	4402M16x1.5
M16	1.0	95	32	12.5	10.0	3	15.0	4402M16x1
M18	2.0	100	37	14.0	11.0	3	16.0	4402M18x2
M18	1.5	100	37	14.0	11.0	3	16.5	4402M18x1.5
M18	1.0	95	30	14.0	11.0	3	17.0	4402M18x1
M20	2.0	105	37	15.0	12.0	3	18.0	4402M20x2
M20	1.5	105	37	15.0	12.0	3	18.5	4402M20x1.5
M20	1.0	95	30	15.0	12.0	3	19.0	4402M20x1
M22	2.0	115	38	17.0	13.0	3	20.0	4402M22x2
M22	1.5	115	38	17.0	13.0	3	20.5	4402M22x1.5
M22	1.0	95	30	17.0	13.0	3	21.0	4402M22x1
M24	2.0	120	45	19.0	15.0	3	22.0	4402M24x2
M24	1.5	120	45	19.0	15.0	3	22.5	4402M24x1.5
M24	1.0	95	30	19.0	15.0	3	23.0	4402M24x1
M27	2.0	130	45	20.0	15.0	4	25.0	4402M27x2
M27	1.5	130	45	20.0	15.0	4	25.5	4402M27x1.5
M30	3.0	135	48	23.0	17.0	4	27.0	4402M30x3
M30	2.0	135	45	23.0	17.0	4	28.0	4402M30x2
M30	1.5	135	45	23.0	17.0	4	28.5	4402M30x1.5

Ordering example: Machine taps 4402M4x0.5 HSSE
Bestellbeispiel: Maschinengewindebohrer 4402M4x0.5 HSSE
Начин на заявяване: Метчици мешинни 4402M4x0.5 HSSE

Machine Taps
with helical flutes R39°
for ISO metric Fine thread
according to DIN 13
Grade of fit: ISO 2 (6H)
Ground thread
Form C 2-3 threads chamfered

Maschinengewindebohrer
drallgenutet R39°
für metrisches ISO-Feingewinde
nach DIN 13
Toleranzfeld: ISO 2 (6H)
Geschliffenes Gewinde
Form C 2-3 Gang Anschnitt

Метчици машинни
с винтови канали R39°
за метрична ISO резба
ситна стъпка по DIN 13
Клас на точност: ISO 2 (6H)
Шлифована резба
Форма C 2-3 навивки конус





Mf JIS R39°

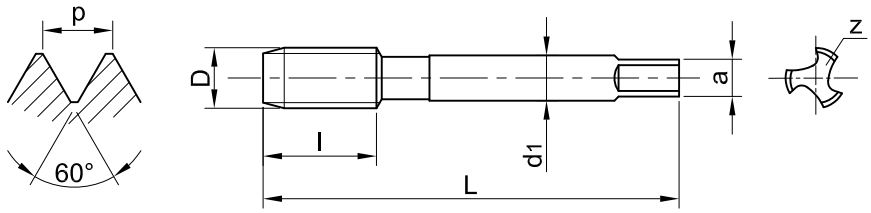
d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 4407*..
M4	0.5	52	13	5.0	4.0	3	3.5	4407M4x0.5
M5	0.5	55	13	5.5	4.5	3	4.5	4407M5x0.5
M6	0.75	62	19	6.0	4.5	3	5.2	4407M6x0.75
M6	0.5	55	13	6.0	4.5	3	5.5	4407M6x0.5
M8	1.0	70	22	6.2	5.0	3	7.0	4407M8x1
M8	0.75	70	22	6.2	5.0	3	7.2	4407M8x0.75
M10	1.25	75	24	7.0	5.5	3	8.8	4407M10x1.25
M10	1.0	75	24	7.0	5.5	3	9.0	4407M10x1
M12	1.5	82	29	8.5	6.5	3	10.5	4407M12x1.5
M12	1.25	82	29	8.5	6.5	3	10.8	4407M12x1.25
M12	1.0	82	29	8.5	6.5	3	11.0	4407M12x1
M14	1.5	88	30	10.5	8.0	3	12.5	4407M14x1.5
M14	1.25	88	30	10.5	8.0	3	12.8	4407M14x1.25
M14	1.0	88	30	10.5	8.0	3	13.0	4407M14x1
M16	1.5	95	32	12.5	10.0	3	14.5	4407M16x1.5
M16	1.0	95	32	12.5	10.0	3	15.0	4407M16x1
M18	2.0	100	37	14.0	11.0	4	16.0	4407M18x2
M18	1.5	100	37	14.0	11.0	4	16.5	4407M18x1.5
M18	1.0	95	30	14.0	11.0	4	17.0	4407M18x1
M20	2.0	105	37	15.0	12.0	4	18.0	4407M20x2
M20	1.5	105	37	15.0	12.0	4	18.5	4407M20x1.5
M20	1.0	95	30	15.0	12.0	4	19.0	4407M20x1
M22	2.0	115	38	17.0	13.0	4	20.0	4407M22x2
M22	1.5	115	38	17.0	13.0	4	20.5	4407M22x1.5
M22	1.0	95	30	17.0	13.0	4	21.0	4407M22x1
M24	2.0	120	45	19.0	15.0	4	22.0	4407M24x2
M24	1.5	120	45	19.0	15.0	4	22.5	4407M24x1.5
M24	1.0	95	30	19.0	15.0	4	23.0	4407M24x1
M27	2.0	130	45	20.0	15.0	4	25.0	4407M27x2
M27	1.5	130	45	20.0	15.0	4	25.5	4407M27x1.5
M30	3.0	135	48	23.0	17.0	4	27.0	4407M30x3
M30	2.0	135	45	23.0	17.0	4	28.0	4407M30x2
M30	1.5	135	45	23.0	17.0	4	28.5	4407M30x1.5

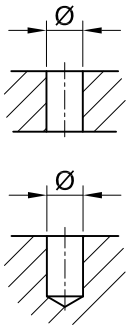
Ordering example: Machine taps 4407M4x0.5 HSSE
Bestellbeispiel: Maschinengewindebohrer 4407M4x0.5 HSSE
Начин на заявяване: Метчици мешинни 4407M4зззx0.5 HSSE

Hand Taps
Set of 3 pieces for American Unified Coarse thread according to ANSI B1.1
Grade of fit: 2B
Ground thread

Handgewindebohrer
Dreiteiliger Satz für amerikanisches unifiziertes Grobgewinde nach ANSI B1.1
Toleranzfeld: 2B
Geschliffenes Gewinde

Метчици ръчни
Комплект от 3 броя за американска унифицирана резба едра стъпка по ANSI B1.1
Клас на точност: 2B
Шлифована резба







UNC ≈ DIN 352

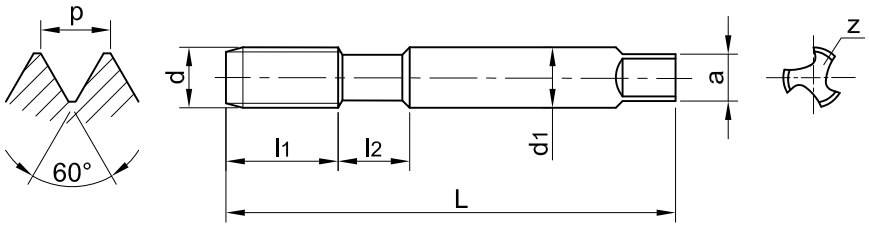
d	p / inch	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 111*..
UNC Nr.2	56	36	11	2.8	2.1	3	1.8	111UNCNr.2x56
UNC Nr.3	48	36	11	2.8	2.1	3	2.1	111UNCNr.3x48
UNC Nr.4	40	40	12	3.5	2.7	3	2.35	111UNCNr.4x40
UNC Nr.5	40	40	12	3.5	2.7	3	2.65	111UNCNr.5x40
UNC Nr.6	32	45	14	4.0	3.0	3	2.85	111UNCNr.6x32
UNC Nr.8	32	45	14	4.5	3.4	3	3.5	111UNCNr.8x32
UNC Nr.10	24	50	16	6.0	4.9	3	3.9	111UNCNr.10x24
UNC Nr.12	24	50	18	6.0	4.9	3	4.5	111UNCNr.12x24
UNC 1/4	20	50	19	6.0	4.9	3	5.1	111UNC1/4x20
UNC 5/16	18	56	22	6.0	4.9	4	6.6	111UNC5/16x18
UNC 3/8	16	70	24	7.0	5.5	4	8.0	111UNC3/8x16
UNC 7/16	14	70	24	8.0	6.2	4	9.4	111UNC7/16x14
UNC 1/2	13	75	29	9.0	7.0	4	10.8	111UNC1/2x13
UNC 9/16	12	80	30	11.0	9.0	4	12.2	111UNC9/16x12
UNC 5/8	11	80	32	12.0	9.0	4	13.5	111UNC5/8x11
UNC 3/4	10	95	40	14.0	11.0	4	16.5	111UNC3/4x10
UNC 7/8	9	100	40	18.0	14.5	4	19.5	111UNC7/8x9
UNC 1″	8	110	50	18.0	14.5	4	22.2	111UNC1″x8
UNC 1″1/8	7	132	56	22.0	18.0	4	25.0	111UNC1″1/8x7
UNC 1″1/4	7	132	56	22.0	18.0	4	28.2	111UNC1″1/4x7
UNC 1″3/8	6	150	63	28.0	22.0	4	30.8	111UNC1″3/8x6
UNC 1″1/2	6	150	63	32.0	24.0	4	34.1	111UNC1″1/2x6
UNC 1″5/8	5	160	70	32.0	24.0	4	36.1	111UNC1″5/8x5
UNC 1″3/4	5	160	70	36.0	29.0	6	39.3	111UNC1″3/4x5
UNC 1″7/8	4.5	190	80	36.0	29.0	6	42.0	111UNC1″7/8x4.5
UNC 2″	4.5	190	80	40.0	32.0	6	45.2	111UNC2″x4.5

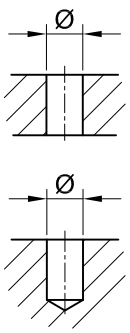
Ordering example: Hand taps 111UNCNr.2x56 HSS - for 1 set /I, II, III/
Bestellbeispiel: Handgewindebohrer 111UNCNr.2x56 HSS - für 1 Satz /I, II, III/
Начин на заявяване: Метчици ръчни 111UNCNr.2x56 HSS - за 1 комплект /I, II, III/

Hand Taps
for American
Unified Coarse thread
according to ANSI B1.1
Grade of fit: 2B
Ground thread
Form A 6-8 threads chamfered
Form D 4-5 threads chamfered
Form C 2-3 threads chamfered

Handgewindebohrer
für amerikanisches
unifiziertes Grobgewinde
nach ANSI B1.1
Toleranzfeld: 2B
Geschliffenes Gewinde
Form A 6-8 Gang Anschnitt
Form D 4-5 Gang Anschnitt
Form C 2-3 Gang Anschnitt

Метчици ръчни
за американска унифицирана
резба едра стъпка
по ANSI B1.1
Клас на точност: 2B
Шлифована резба
Форма A 6-8 навивки конус
Форма D 4-5 навивки конус
Форма C 2-3 навивки конус







UNC ISO 529

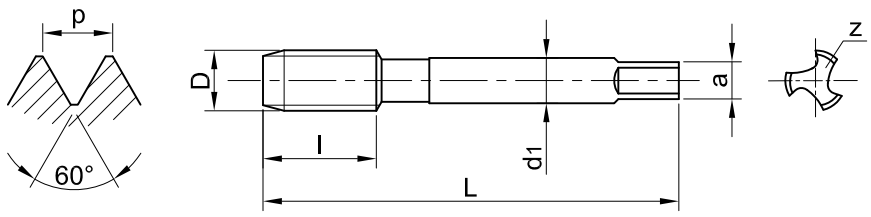
d	p / inch	L mm	l1 mm	l2 mm	d1 mm	a mm	z	Ø	Art. No. A 3111*.. Art. No. D 3114*.. Art. No. C 3113*..
UNC Nr.4	40	48	11	7	3.15	2.5	3	2.35	..*UNCNr.4x40
UNC Nr.5	40	48	11	7	3.15	2.5	3	2.65	..*UNCNr.5x40
UNC Nr.6	32	50	13	7	3.55	2.8	3	2.85	..*UNCNr.6x32
UNC Nr.8	32	53	13	8	4.5	3.55	3	3.5	..*UNCNr.8x32
UNC Nr.10	24	58	16	9	5.0	4.0	3	3.9	..*UNCNr.10x24
UNC Nr.12	24	62	17	9	5.6	4.5	3	4.5	..*UNCNr.12x24
UNC 1/4	20	66	19	11	6.3	5.0	3	5.1	..*UNC1/4x20
UNC 5/16	18	72	22	13	8.0	6.3	4	6.6	..*UNC5/16x18
UNC 3/8	16	80	24	15	10.0	8.0	4	8.0	..*UNC3/8x16
UNC 7/16	14	85	25		8.0	6.3	4	9.4	..*UNC7/16x14
UNC 1/2	13	89	29		9.0	7.1	4	10.8	..*UNC1/2x13
UNC 9/16	12	95	30		11.2	9.0	4	12.2	..*UNC9/16x12
UNC 5/8	11	102	32		12.5	10.0	4	13.5	..*UNC5/8x11
UNC 3/4	10	112	37		14.0	11.2	4	16.5	..*UNC3/4x10
UNC 7/8	9	118	38		16.0	12.5	4	19.5	..*UNC7/8x9
UNC 1″	8	130	45		18.0	14.0	4	22.2	..*UNC1″x8
UNC 1″1/8	7	138	48		20.0	16.0	4	25.0	..*UNC1″1/8x7
UNC 1″1/4	7	151	51		22.4	18.0	4	28.2	..*UNC1″1/4x7
UNC 1″3/8	6	162	57		25.0	20.0	4	30.8	..*UNC1″3/8x6
UNC 1″1/2	6	170	60		28.0	22.4	4	34.1	..*UNC1″1/2x6
UNC 1″5/8	5	170	60		28.0	22.4	4	36.1	..*UNC1″5/8x5
UNC 1″3/4	5	187	67		31.5	25.0	6	39.3	..*UNC1″3/4x5
UNC 1″7/8	4.5	187	67		31.5	25.0	6	42.0	..*UNC1″7/8x5
UNC 2″	4.5	200	70		35.5	28.0	6	45.2	..*UNC2″x4.5

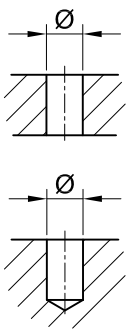
Ordering example: Hand taps 3111UNCNr.4x40 HSS
Bestellbeispiel: Handgewindebohrer 3111UNCNr.4x40 HSS
Начин на заявяване: Метчици ръчни 3111UNCNr.4x40 HSS

Hand Taps
for American
Unified Coarse thread
according to ANSI B1.1
Grade of fit: 2B
Ground thread
Form A 6-8 threads chamfered
Form D 4-5 threads chamfered
Form C 2-3 threads chamfered

Handgewindebohrer
für amerikanisches
unifiziertes Grobgewinde
nach ANSI B1.1
Toleranzfeld: 2B
Geschliffenes Gewinde
Form A 6-8 Gang Anschnitt
Form D 4-5 Gang Anschnitt
Form C 2-3 Gang Anschnitt

Метчици ръчни
за американска унифицирана
резба едра стъпка
по ANSI B1.1
Клас на точност: 2B
Шлифована резба
Форма A 6-8 навивки конус
Форма D 4-5 навивки конус
Форма C 2-3 навивки конус







UNC JIS

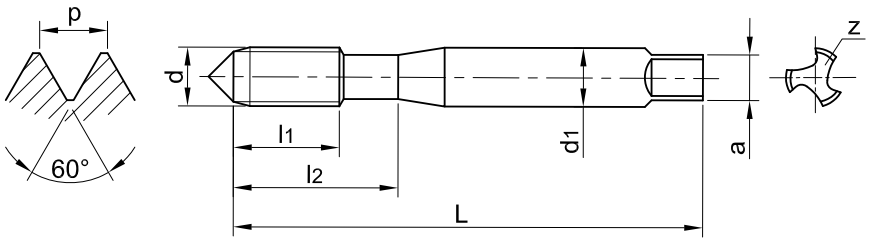
d	p / inch	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. A 4111*.. Art. No. D 4114*.. Art. No. C 4113*..
UNC Nr.4	40	44	16	3.0	2.5	3	2.35	..*UNCNr.4x40
UNC Nr.5	40	46	18	4.0	3.2	3	2.65	..*UNCNr.5x40
UNC Nr.6	32	48	18	4.0	3.2	3	2.85	..*UNCNr.6x32
UNC Nr.8	32	52	20	5.0	4.0	4	3.5	..*UNCNr.8x32
UNC Nr.10	24	60	22	5.5	4.5	4	3.9	..*UNCNr.10x24
UNC Nr.12	24	60	22	5.5	4.5	4	4.5	..*UNCNr.12x24
UNC 1/4	20	62	24	6.0	4.5	4	5.1	..*UNC1/4x20
UNC 5/16	18	70	30	6.1	5.0	4	6.6	..*UNC5/16x18
UNC 3/8	16	75	35	7.0	5.5	4	8.0	..*UNC3/8x16
UNC 7/16	14	80	38	8.0	6.0	4	9.4	..*UNC7/16x14
UNC 1/2	13	85	42	9.0	7.0	4	10.8	..*UNC1/2x13
UNC 9/16	12	90	42	10.5	8.0	4	12.2	..*UNC9/16x12
UNC 5/8	11	95	45	12.0	9.0	4	13.5	..*UNC5/8x11
UNC 3/4	10	105	50	14.0	11.0	4	16.5	..*UNC3/4x10
UNC 7/8	9	115	55	17.0	13.0	4	19.5	..*UNC7/8x9
UNC 1″	8	125	60	20.0	15.0	4	22.2	..*UNC1″x8

Ordering example: Hand taps 4111UNCNr.4x40 HSS
Bestellbeispiel: Handgewindebohrer 4111UNCNr.4x40 HSS
Начин на заявяване: Метчици ръчни 4111UNCNr.4x40 HSS

Machine Taps
with spiral point for American Unified Coarse thread
according to ANSI B1.1
Grade of fit: 2B
Reinforced shank
Ground thread
Form B 4-5 threads chamfered

Maschinengewindebohrer
mit Schälanschnitt für amerikanisches unifiziertes Grobgewinde
nach ANSI B1.1
Toleranzfeld: 2B
Verstärkter Schaft
Geschliffenes Gewinde
Form B 4-5 Gang Anschnitt

Метчици машинни
с подточени канали за американска унифицирана резба
едра стъпка по ANSI B1.1
Клас на точност: 2B
Усилена опашка
Шлифована резба
Форма B 4-5 навивки конус





UNC ≈ DIN 371 B

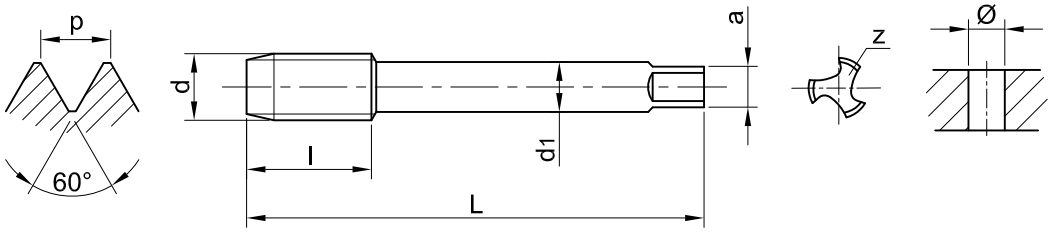
d	p / inch	L mm	l1 mm	l2 mm	d1 mm	a mm	z	Ø	Art. No. 2312*..
UNC Nr.4	40	56	11	18	3.5	2.7	3	2.35	2312UNCNr.4x40
UNC Nr.5	40	56	11	18	3.5	2.7	3	2.65	2312UNCNr.5x40
UNC Nr.6	32	56	12	20	4.0	3.0	3	2.85	2312UNCNr.6x32
UNC Nr.8	32	63	13	21	4.5	3.4	3	3.5	2312UNCNr.8x32
UNC Nr.10	24	70	15	25	6.0	4.9	3	3.9	2312UNCNr.10x24
UNC Nr.12	24	70	16	25	6.0	4.9	3	4.5	2312UNCNr.12x24
UNC 1/4	20	80	17	30	7.0	5.5	3	5.1	2312UNC1/4x20
UNC 5/16	18	90	20	35	8.0	6.2	3	6.6	2312UNC5/16x18
UNC 3/8	16	100	22	39	9.0	7.0	3	8.0	2312UNC3/8x16

Ordering example: Machine taps 2312UNCNr.4x40 HSSE
Bestellbeispiel: Maschinengewindebohrer 2312UNCNr.4x40 HSSE
Начин на заявяване: Метчици машинни 2312UNCNr.4x40 HSSE

Machine Taps
with spiral point for American Unified Coarse thread
according to ANSI B1.1
Grade of fit: 2B
Passing shank
Ground thread
Form B 4-5 threads chamfered

Maschinengewindebohrer
mit Schälanschnitt für amerikanisches unifiziertes Grobgewinde
nach ANSI B1.1
Toleranzfeld: 2B
Überlaufschaft
Geschliffenes Gewinde
Form B 4-5 Gang Anschnitt

Метчици машинни
с подточени канали за американска унифицирана резба
едра стъпка по ANSI B1.1
Клас на точност: 2B
Преминаваща опашка
Шлифована резба
Форма B 4-5 навивки конус





UNC ≈ DIN 376 B

d	p / inch	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 2412*..
UNC Nr.4	40	56	11	1.8	-	3	2.35	2412UNCNr.4x40
UNC Nr.5	40	56	11	2.2	1.8	3	2.65	2412UNCNr.5x40
UNC Nr.6	32	56	12	2.5	2.1	3	2.85	2412UNCNr.6x32
UNC Nr.8	32	63	13	2.8	2.1	3	3.5	2412UNCNr.8x32
UNC Nr.10	24	70	15	3.5	2.7	3	3.9	2412UNCNr.10x24
UNC Nr.12	24	70	16	3.5	2.7	3	4.5	2412UNCNr.12x24
UNC 1/4	20	80	17	4.5	3.4	3	5.1	2412UNC1/4x20
UNC 5/16	18	90	20	6.0	4.9	3	6.6	2412UNC5/16x18
UNC 3/8	16	100	22	7.0	5.5	3	8.0	2412UNC3/8x16
UNC 7/16	14	100	22	8.0	6.2	3	9.4	2412UNC7/16x14
UNC 1/2	13	110	25	9.0	7.0	3	10.8	2412UNC1/2x13
UNC 9/16	12	110	26	11.0	9.0	3	12.2	2412UNC9/16x12
UNC 5/8	11	110	27	12.0	9.0	3	13.5	2412UNC5/8x11
UNC 3/4	10	125	30	14.0	11.0	4	16.5	2412UNC3/4x10
UNC 7/8	9	140	32	18.0	14.5	4	19.5	2412UNC7/8x9
UNC 1″	8	160	36	20.0	16.0	4	22.2	2412UNC1″x8
UNC 1″1/4	7	180	40	22.0	18.0	4	28.2	2412UNC1″1/4x7
UNC 1″1/2	6	200	50	32.0	24.0	4	34.1	2412UNC1″1/2x6
UNC 1″3/4	5	220	65	36.0	29.0	6	39.3	2412UNC1″3/4x5
UNC 2″	4.5	250	70	40.0	32.0	6	45.2	2412UNC2″x4.5

Ordering example: Machine taps 2412UNCNr.4x40 HSSE
Bestellbeispiel: Maschinengewindebohrer 2412UNCNr.4x40 HSSE
Начин на заявяване: Метчици машинни 2412UNCNr.4x40 HSSE

Machine Taps

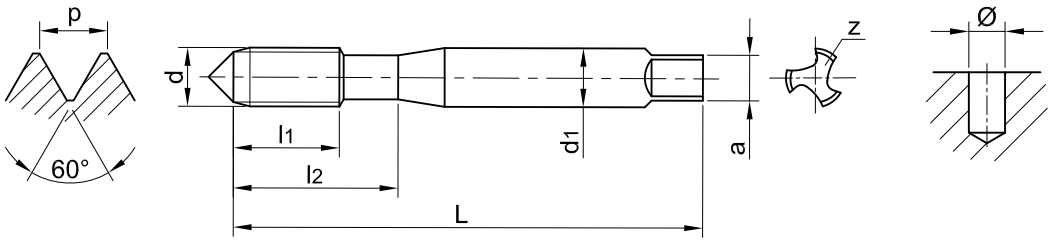
with helical flutes R35° for American Unified Coarse hread according to ANSI B1.1
Grade of fit: 2B
Reinforced shank
Ground thread
Form C 2-3 threads chamfered

Maschinengewindebohrer

drallgenutet R35° für amerikanisches unifiziertes Grobgewinde nach ANSI B1.1
Toleranzfeld: 2B
Verstärkter Schaft
Geschliffenes Gewinde
Form C 2-3 Gang Anschnitt

Метчици машинни

с винтови канали R35° за американска унифицирана резба едра стъпка по ANSI B1.1
Клас на точност: 2B
Усилена опашка
Шлифована резба
Форма C 2-3 навивки конус





UNC ≈ DIN 371 R35°

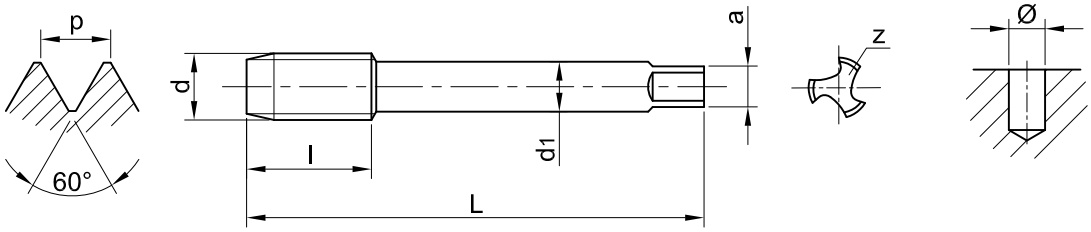
d	p / inch	L mm	l1 mm	l2 mm	d1 mm	a mm	z	Ø	Art. No. 2316*..
UNC Nr.4	40	56	7	18	3.5	2.7	3	2.35	2316UNCNr.4x40
UNC Nr.5	40	56	7	18	3.5	2.7	3	2.65	2316UNCNr.5x40
UNC Nr.6	32	56	7	20	4.0	3.0	3	2.85	2316UNCNr.6x32
UNC Nr.8	32	63	8	21	4.5	3.4	3	3.5	2316UNCNr.8x32
UNC Nr.10	24	70	10	25	6.0	4.9	3	3.9	2316UNCNr.10x24
UNC Nr.12	24	70	10	25	6.0	4.9	3	4.5	2316UNCNr.12x24
UNC 1/4	20	80	13	30	7.0	5.5	3	5.1	2316UNC1/4x20
UNC 5/16	18	90	14	35	8.0	6.2	3	6.6	2316UNC5/16x18
UNC 3/8	16	100	16	39	9.0	7.0	3	8.0	2316UNC3/8x16

Ordering example: Machine taps 2316UNCNr.4x40 HSSE
Bestellbeispiel: Maschinengewindebohrer 2316UNCNr.4x40 HSSE
Начин на заявяване: Метчици машинни 2316UNCNr.4x40 HSSE

Machine Taps
with helical flutes R35° for
American Unified Coarse hread
according to ANSI B1.1
Grade of fit: 2B
Passing shank
Ground thread
Form C 2-3 threads chamfered

Maschinengewindebohrer
drallgenutet R35° für amerikanisches
unifiziertes Grobgewinde
nach ANSI B1.1
Toleranzfeld: 2B
Überlaufschaft
Geschliffenes Gewinde
Form C 2-3 Gang Anschnitt

Метчици машинни
с винтови канали R35° за
американска унифицирана резба
едра стъпка по ANSI B1.1
Клас на точност: 2B
Преминаваща опашка
Шлифована резба
Форма C 2-3 навивки конус





UNC ≈ DIN 376 R35°

d	p / inch	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 2416*..
UNC Nr.4	40	56	7	1.8	-	3	2.35	2416UNCNr.4x40
UNC Nr.5	40	56	7	2.2	1.8	3	2.65	2416UNCNr.5x40
UNC Nr.6	32	56	7	2.5	2.1	3	2.85	2416UNCNr.6x32
UNC Nr.8	32	63	8	2.8	2.1	3	3.5	2416UNCNr.8x32
UNC Nr.10	24	70	10	3.5	2.7	3	3.9	2416UNCNr.10x24
UNC Nr.12	24	70	10	3.5	2.7	3	4.5	2416UNCNr.12x24
UNC 1/4	20	80	13	4.5	3.4	3	5.1	2416UNC1/4x20
UNC 5/16	18	90	14	6.0	4.9	3	6.6	2416UNC5/16x18
UNC 3/8	16	100	16	7.0	5.5	3	8.0	2416UNC3/8x16
UNC 7/16	14	100	17	8.0	6.2	3	9.4	2416UNC7/16x14
UNC 1/2	13	110	20	9.0	7.0	3	10.8	2416UNC1/2x13
UNC 9/16	12	110	20	11.0	9.0	3	12.2	2416UNC9/16x12
UNC 5/8	11	110	22	12.0	9.0	3	13.5	2416UNC5/8x11
UNC 3/4	10	125	25	14.0	11.0	4	16.5	2416UNC3/4x10
UNC 7/8	9	140	27	18.0	14.5	4	19.5	2416UNC7/8x9
UNC 1″	8	160	30	20.0	16.0	4	22.2	2416UNC1″x8
UNC 1″1/4	7	180	35	22.0	18.0	4	28.2	2416UNC1″1/4x7
UNC 1″1/2	6	200	40	32.0	24.0	4	34.1	2416UNC1″1/2x6
UNC 1″3/4	5	220	50	36.0	29.0	4	39.3	2416UNC1″3/4x5
UNC 2″	4.5	250	56	40.0	32.0	6	45.2	2416UNC2″x4.5

Ordering example: Machine taps 2416UNCNr.4x40 HSSE
Bestellbeispiel: Maschinengewindebohrer 2416UNCNr.4x40 HSSE
Начин на заявяване: Метчици машинни 2416UNCNr.4x40 HSSE

Hand Taps

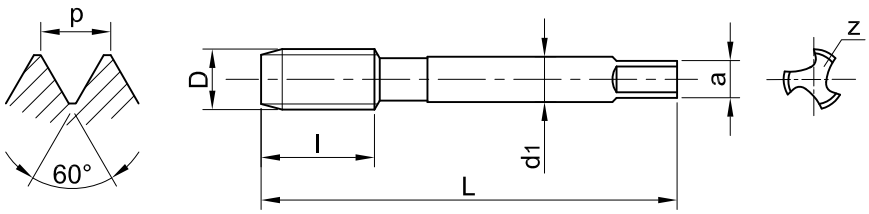
Set of 2 pieces for American Unified Fine thread according to ANSI B1.1
Grade of fit: 2B
Ground thread

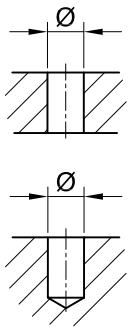
Handgewindebohrer

Zweiteiliger Satz für amerikanisches unifiziertes Feingewinde nach ANSI B1.1
Toleranzfeld: 2B
Geschliffenes Gewinde

Метчици ръчни

Комплект от 2 броя за американска унифицирана резба ситна стъпка по ANSI B1.1
Клас на точност: 2B
Шлифована резба







UNF ≈ DIN 2181

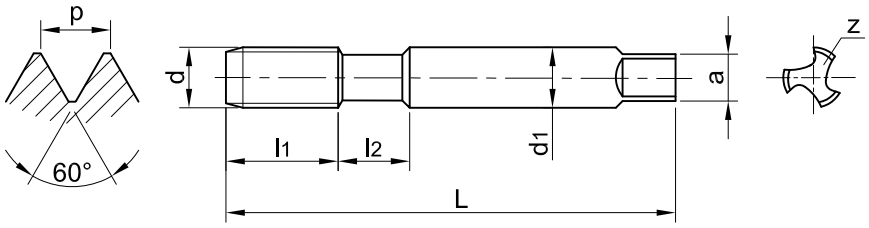
d	p / inch	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 121*..
UNF Nr.2	64	32	10	2.8	2.1	3	1.9	121UNFNr.2x64
UNF Nr.3	56	32	10	2.8	2.1	3	2.1	121UNFNr.3x56
UNF Nr.4	48	36	11	3.5	2.7	3	2.4	121UNFNr.4x48
UNF Nr.5	44	36	11	3.5	2.7	3	2.7	121UNFNr.5x44
UNF Nr.6	40	40	12	4.5	3.4	3	2.95	121UNFNr.6x40
UNF Nr.8	36	40	12	4.5	3.4	3	3.5	121UNFNr.8x36
UNF Nr.10	32	45	14	6.0	4.9	3	4.1	121UNFNr.10x32
UNF Nr.12	28	50	14	6.0	4.9	3	4.7	121UNFNr.12x28
UNF 1/4	28	50	18	6.0	4.9	3	5.5	121UNF1/4x28
UNF 5/16	24	56	22	6.0	4.9	4	6.9	121UNF5/16x24
UNF 3/8	24	63	22	7.0	5.5	4	8.5	121UNF3/8x24
UNF 7/16	20	63	22	8.0	6.2	4	9.9	121UNF7/16x20
UNF 1/2	20	75	24	9.0	7.0	4	11.5	121UNF1/2x20
UNF 9/16	18	80	28	11.0	9.0	4	12.9	121UNF9/16x18
UNF 5/8	18	80	28	12.0	9.0	4	14.5	121UNF5/8x18
UNF 3/4	16	95	32	14.0	11.0	4	17.5	121UNF3/4x16
UNF 7/8	14	100	36	18.0	14.5	4	20.4	121UNF7/8x14
UNF 1″	12	110	40	18.0	14.5	4	23.3	121UNF1″x12
UNF 1″	14	110	40	18.0	14.5	4	23.6	121UNF1″x14
UNF 1″1/8	12	110	50	22.0	18.0	4	26.5	121UNF1″1/8x12
UNF 1″1/4	12	132	56	22.0	18.0	4	29.7	121UNF1″1/4x12
UNF 1″3/8	12	132	56	28.0	22.0	4	32.8	121UNF1″3/8x12
UNF 1″1/2	12	150	63	32.0	24.0	4	36.1	121UNF1″1/2x12

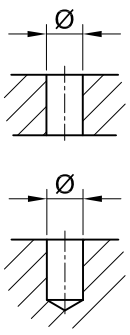
Ordering example: Hand taps 121UNFNr.2x64 HSS - for 1 set /I, II/
Bestellbeispiel: Handgewindebohrer 121UNFNr.2x64 HSS - für 1 Satz /I, II/
Начин на заявяване: Метчици ръчни 121UNFNr.2x64 HSS - за 1 комплект /I, II/

Hand Taps
for American
Unified Fine thread
according to ANSI B1.1
Grade of fit: 2B
Ground thread
Form A 6-8 threads chamfered
Form D 4-5 threads chamfered
Form C 2-3 threads chamfered

Handgewindebohrer
für amerikanisches
unifiziertes Feingewinde
nach ANSI B1.1
Toleranzfeld: 2B
Geschliffenes Gewinde
Form A 6-8 Gang Anschnitt
Form D 4-5 Gang Anschnitt
Form C 2-3 Gang Anschnitt

Метчици ръчни
за американска унифицирана
резба ситна стъпка
по ANSI B1.1
Клас на точност: 2B
Шлифована резба
Форма A 6-8 навивки конус
Форма D 4-5 навивки конус
Форма C 2-3 навивки конус







UNF ISO 529

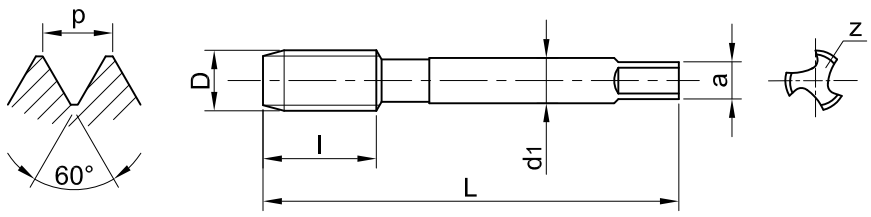
d	p / inch	L mm	l1 mm	l2 mm	d1 mm	a mm	z	Ø	Art. No. A 3211*.. Art. No. D 3214*.. Art. No. C 3213*..
UNF Nr.4	48	48	11	7	3.15	2.5	3	2.4	..*UNFNr.4x48
UNF Nr.5	44	48	11	7	3.15	2.5	3	2.7	..*UNFNr.5x44
UNF Nr.6	40	50	13	7	3.55	2.8	3	2.95	..*UNFNr.6x40
UNF Nr.8	36	53	13	8	4.5	3.55	3	3.5	..*UNFNr.8x36
UNF Nr.10	32	58	16	9	5.0	4.0	3	4.1	..*UNFNr.10x32
UNF Nr.12	28	62	17	9	5.6	4.5	3	4.7	..*UNFNr.12x28
UNF 1/4	28	66	19	11	6.3	5.0	3	5.5	..*UNF1/4x28
UNF 5/16	24	69	19	13	8.0	6.3	4	6.9	..*UNF5/16x24
UNF 3/8	24	76	20	15	10.0	8.0	4	8.5	..*UNF3/8x24
UNF 7/16	20	82	22		8.0	6.3	4	9.9	..*UNF7/16x20
UNF 1/2	20	84	24		9.0	7.1	4	11.5	..*UNF1/2x20
UNF 9/16	18	90	25		11.2	9.0	4	12.9	..*UNF9/16x18
UNF 5/8	18	95	25		12.5	10.0	4	14.5	..*UNF5/8x18
UNF 3/4	16	104	29		14.0	11.2	4	17.5	..*UNF3/4x16
UNF 7/8	14	113	33		16.0	12.5	4	20.4	..*UNF7/8x14
UNF 1″	12	120	35		18.0	14.0	4	23.3	..*UNF1″x12
UNF 1″1/8	12	127	37		20.0	16.0	4	26.5	..*UNF1″1/8x12
UNF 1″1/4	12	137	37		22.4	18.0	4	29.7	..*UNF1″1/4x12
UNF 1″3/8	12	144	39		25.0	20.0	4	32.8	..*UNF1″3/8x12
UNF 1″1/2	12	149	39		28.0	22.4	4	36.1	..*UNF1″1/2x12
UNF 1″5/8	12	164	45		28.0	22.4	6	39.2	..*UNF1″5/8x12
UNF 1″3/4	12	164	45		31.5	25.0	6	42.3	..*UNF1″3/4x12
UNF 1″7/8	12	164	45		31.5	25.0	6	45.5	..*UNF1″7/8x12
UNF 2″	12	175	47		35.5	28.0	6	48.7	..*UNF2″x12

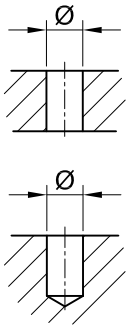
Ordering example: Hand taps 3211UNFNr.4x48 HSS
Bestellbeispiel: Handgewindebohrer 3211UNFNr.4x48 HSS
Начин на заявяване: Метчици ръчни 3211UNFNr.4x48 HSS

Hand Taps
for American
Unified Fine thread
according to ANSI B1.1
Grade of fit: 2B
Ground thread
Form A 6-8 threads chamfered
Form D 4-5 threads chamfered
Form C 2-3 threads chamfered

Handgewindebohrer
für amerikanisches
unifiziertes Feingewinde
nach ANSI B1.1
Toleranzfeld: 2B
Geschliffenes Gewinde
Form A 6-8 Gang Anschnitt
Form D 4-5 Gang Anschnitt
Form C 2-3 Gang Anschnitt

Метчици ръчни
за американска унифицирана
резба ситна стъпка
по ANSI B1.1
Клас на точност: 2B
Шлифована резба
Форма A 6-8 навивки конус
Форма D 4-5 навивки конус
Форма C 2-3 навивки конус







UNF JIS

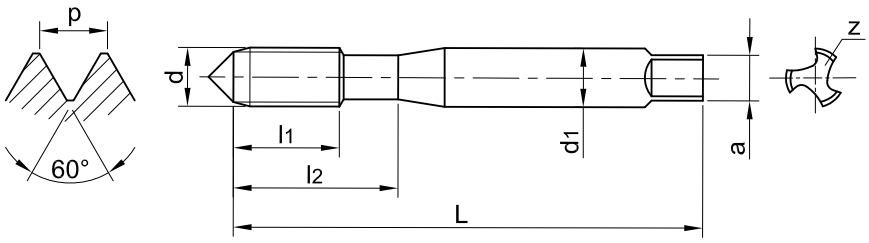
d	p / inch	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. A 4211*.. Art. No. D 4214*.. Art. No. C 4213*..
UNF Nr.4	48	44	16	3.0	2.5	3	2.4	..*UNFNr.4x48
UNF Nr.5	44	46	18	4.0	3.2	3	2.7	..*UNFNr.5x44
UNF Nr.6	40	48	18	4.0	3.2	3	2.95	..*UNFNr.6x40
UNF Nr.8	36	52	20	5.0	4.0	4	3.5	..*UNFNr.8x36
UNF Nr.10	32	60	22	5.5	4.5	4	4.1	..*UNFNr.10x32
UNF Nr.12	28	60	22	5.5	4.5	4	4.7	..*UNFNr.12x28
UNF 1/4	28	62	24	6.0	4.5	4	5.5	..*UNF1/4x28
UNF 5/16	24	70	30	6.1	5.0	4	6.9	..*UNF5/16x24
UNF 3/8	24	75	32	7.0	5.5	4	8.5	..*UNF3/8x24
UNF 7/16	20	80	38	8.0	6.0	4	9.9	..*UNF7/16x20
UNF 1/2	20	85	42	9.0	7.0	4	11.5	..*UNF1/2x20
UNF 9/16	18	90	42	10.5	8.0	4	12.9	..*UNF9/16x18
UNF 5/8	18	95	45	12.0	9.0	4	14.5	..*UNF5/8x18
UNF 3/4	16	95	45	14.0	11.0	4	17.5	..*UNF3/4x16
UNF 7/8	14	95	45	17.0	13.0	4	20.4	..*UNF7/8x14
UNF 1″	12	95	45	20.0	15.0	4	23.3	..*UNF1″x12

Ordering example: Hand taps 4211UNFNr.4x48 HSS
Bestellbeispiel: Handgewindebohrer 4211UNFNr.4x48 HSS
Начин на заявяване: Метчици ръчни 4211UNFNr.4x48 HSS

Machine Taps
with spiral point for American Unified Fine thread
according to ANSI B1.1
Grade of fit: 2B
Reinforced shank
Ground thread
Form B 4-5 threads chamfered

Maschinengewindebohrer
mit Schälanschnitt für amerikanisches unifiziertes Feingewinde
nach ANSI B1.1
Toleranzfeld: 2B
Verstärkter Schaft
Geschliffenes Gewinde
Form B 4-5 Gang Anschnitt

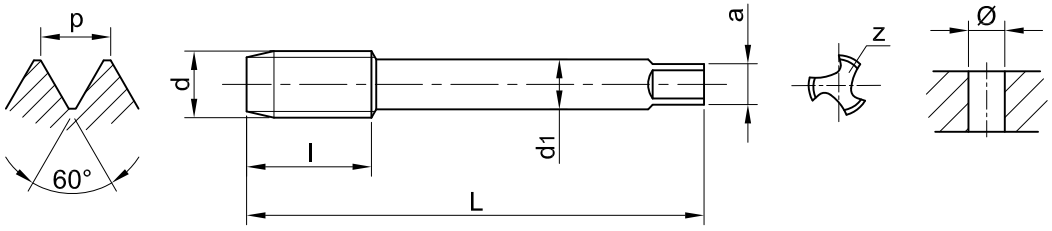
Метчици машинни
с подточени канали за американска унифицирана резба
ситна стъпка по ANSI B1.1
Клас на точност: 2B
Усилена опашка
Шлифована резба
Форма B 4-5 навивки конус





UNF ≈ DIN 371 B

d	p / inch	L mm	l1 mm	l2 mm	d1 mm	a mm	z	Ø	Art. No. 2812*..
UNF Nr.4	48	56	11	18	3.5	2.7	3	2.4	2812UNFNr.4x48
UNF Nr.5	44	56	11	18	3.5	2.7	3	2.7	2812UNFNr.5x44
UNF Nr.6	40	56	12	20	4.0	3.0	3	2.95	2812UNFNr.6x40
UNF Nr.8	36	63	13	21	4.5	3.4	3	3.5	2812UNFNr.8x36
UNF Nr.10	32	70	15	25	6.0	4.9	3	4.1	2812UNFNr.10x32
UNF Nr.12	28	70	16	25	6.0	4.9	3	4.7	2812UNFNr.12x28
UNF 1/4	28	80	17	30	7.0	5.5	3	5.5	2812UNF1/4x28
UNF 5/16	24	90	17	35	8.0	6.2	3	6.9	2812UNF5/16x24
UNF 3/8	24	100	18	39	9.0	7.0	3	8.5	2812UNF3/8x24





UNF ≈ DIN 374 B

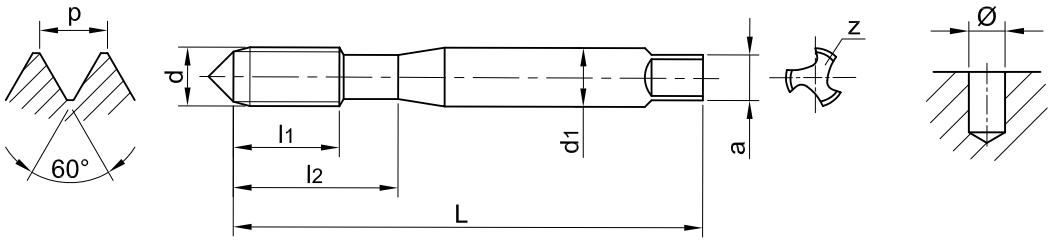
d	p / inch	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 2512*..
UNF 7/16	20	100	22	8.0	6.2	3	9.9	2512UNF7/16x20
UNF 1/2	20	100	22	9.0	7.0	3	11.5	2512UNF1/2x20
UNF 9/16	18	100	22	11.0	9.0	3	12.9	2512UNF9/16x18
UNF 5/8	18	100	22	12.0	9.0	3	14.5	2512UNF5/8x18
UNF 3/4	16	110	25	14.0	11.0	4	17.5	2512UNF3/4x16
UNF 7/8	14	140	26	18.0	14.5	4	20.4	2512UNF7/8x14
UNF 1"	14	150	28	20.0	16.0	4	23.3	2512UNF1"x14
UNF 1"	12	150	28	20.0	16.0	4	23.6	2512UNF1"x12
UNF 1"1/4	12	150	30	22.0	18.0	4	29.7	2512UNF1"1/4x12
UNF 1"1/2	12	170	33	32.0	24.0	4	36.1	2512UNF1"1/2x12

Ordering example: Machine taps 2812UNFNr.4x40 HSSE
Bestellbeispiel: Maschinengewindebohrer 2812UNFNr.4x40 HSSE
Начин на заявяване: Метчици машинни 2812UNFNr.4x40 HSSE

Machine Taps
with helical flutes R35° for
American Unified Fine hread
according to ANSI B1.1
Grade of fit: 2B
Reinforced shank
Ground thread
Form C 2-3 threads chamfered

Maschinengewindebohrer
drallgenutet R35° für amerikanisches
unifiziertes Feingewinde
nach ANSI B1.1
Toleranzfeld: 2B
Verstärkter Schaft
Geschliffenes Gewinde
Form C 2-3 Gang Anschnitt

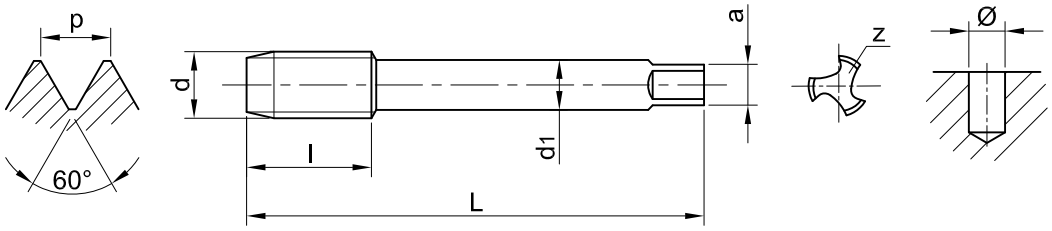
Метчици машинни
с винтови канали R35° за
американска унифицирана резба
ситна стъпка по ANSI B1.1
Клас на точност: 2B
Усилена опашка
Шлифована резба
Форма C 2-3 навивки конус





UNF ≈ DIN 371 R35°

d	p / inch	L mm	l1 mm	l2 mm	d1 mm	a mm	z	Ø	Art. No. 2816*..
UNF Nr.4	48	56	5.5	18	3.5	2.7	3	2.4	2816UNFNr.4x48
UNF Nr.5	44	56	7	18	3.5	2.7	3	2.7	2816UNFNr.5x44
UNF Nr.6	40	56	7	20	4.0	3.0	3	2.95	2816UNFNr.6x40
UNF Nr.8	36	63	8	21	4.5	3.4	3	3.5	2816UNFNr.8x36
UNF Nr.10	32	70	10	25	6.0	4.9	3	4.1	2816UNFNr.10x32
UNF Nr.12	28	70	10	25	6.0	4.9	3	4.7	2816UNFNr.12x28
UNF 1/4	28	80	10	30	7.0	5.5	3	5.5	2816UNF1/4x28
UNF 5/16	24	90	10	35	8.0	6.2	3	6.9	2816UNF5/16x24
UNF 3/8	24	100	10	39	9.0	7.0	3	8.5	2816UNF3/8x24





UNF ≈ DIN 374 R35°

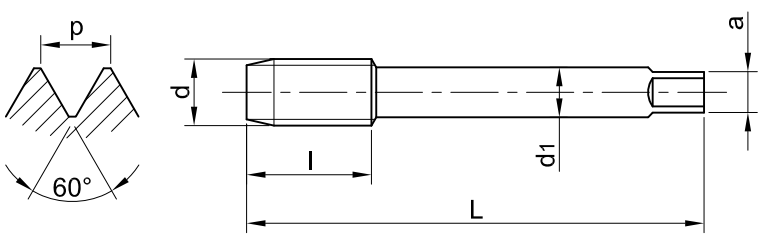
d	p / inch	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 2516*..
UNF 7/16	20	100	13	8.0	6.2	3	9.9	2516UNF7/16x20
UNF 1/2	20	100	13	9.0	7.0	3	11.5	2516UNF1/2x20
UNF 9/16	18	100	15	11.0	9.0	3	12.9	2516UNF9/16x18
UNF 5/8	18	100	15	12.0	9.0	3	14.5	2516UNF5/8x18
UNF 3/4	16	110	17	14.0	11.0	4	17.5	2516UNF3/4x16
UNF 7/8	14	140	17	18.0	14.5	4	20.4	2516UNF7/8x14
UNF 1"	14	150	20	20.0	16.0	4	23.3	2516UNF1"x14
UNF 1"	12	150	20	20.0	16.0	4	23.6	2516UNF1"x12
UNF 1"1/4	12	150	22	22.0	18.0	4	29.7	2516UNF1"1/4x12
UNF 1"1/2	12	170	25	32.0	24.0	4	36.1	2516UNF1"1/2x12

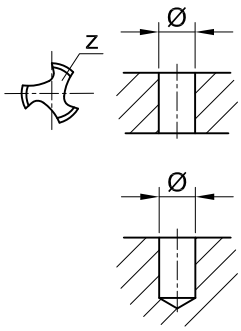
Ordering example: Machine taps 2816UNFNr.4x40 HSSE
Bestellbeispiel: Maschinengewindebohrer 2816UNFNr.4x40 HSSE
Начин на заявяване: Метчици машинни 2816UNFNr.4x40 HSSE

Hand Taps
for American
Unified thread 8-UN
according to ANSI B1.1
Grade of fit: 2B
Ground thread
Form A 6-8 threads chamfered
Form D 4-5 threads chamfered
Form C 2-3 threads chamfered

Handgewindebohrer
für amerikanisches unifiziertes
Gewinde 8-UN
nach ANSI B1.1
Toleranzfeld: 2B
Geschliffenes Gewinde
Form A 6-8 Gang Anschnitt
Form D 4-5 Gang Anschnitt
Form C 2-3 Gang Anschnitt

Метчици ръчни
за американска унифицирана
резба 8-UN
по ANSI B1.1
Клас на точност: 2B
Шлифована резба
Форма A 6-8 навивки конус
Форма D 4-5 навивки конус
Форма C 2-3 навивки конус







8-UN ISO 529

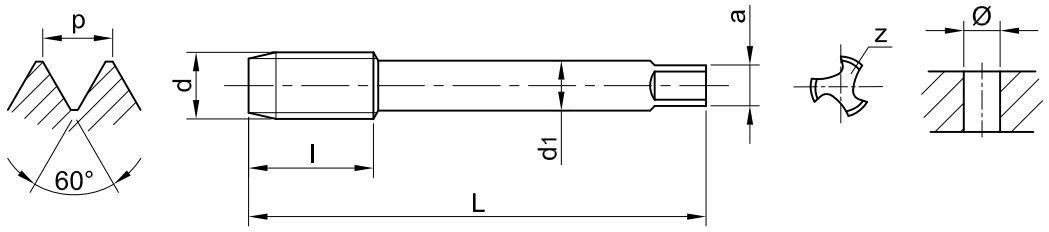
d	p / inch	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. A 3411*.. Art. No. D 3414*.. Art. No. C 3413*..
UN 1″1/16	8	138	48	20.0	16.0	4	23.8	..*UN1″1/16x8
UN 1″1/8	8	138	48	20.0	16.0	4	25.4	..*UN1″1/8x8
UN 1″3/16	8	151	51	22.4	18.0	4	27.0	..*UN1″3/16x8
UN 1″1/4	8	151	51	22.4	18.0	4	28.6	..*UN1″1/4x8
UN 1″5/16	8	162	57	25.0	20.0	4	30.2	..*UN1″5/16x8
UN 1″3/8	8	162	57	25.0	20.0	4	31.8	..*UN1″3/8x8
UN 1″1/2	8	170	60	28.0	22.4	4	35.0	..*UN1″1/2x8
UN 1″5/8	8	170	60	28.0	22.4	6	38.1	..*UN1″5/8x8
UN 1″3/4	8	187	67	31.5	25.0	6	41.3	..*UN1″3/4x8
UN 1″7/8	8	187	67	31.5	25.0	6	44.5	..*UN1″7/8x8
UN 2″	8	200	70	35.5	28.0	6	47.6	..*UN2″x8
UN 2″1/8	8	200	70	35.5	28.0	8	50.8	..*UN2″1/8x8
UN 2″1/4	8	221	76	40.0	31.5	8	54.0	..*UN2″1/4x8
UN 2″3/8	8	221	76	40.0	31.5	8	57.2	..*UN2″3/8x8
UN 2″1/2	8	224	79	40.0	31.5	8	60.3	..*UN2″1/2x8
UN 2″3/4	8	234	79	45.0	35.5	8	66.7	..*UN2″3/4x8
UN 3″	8	258	83	50.0	40.0	8	73.0	..*UN3″x8
UN 3″1/8	8	258	83	50.0	40.0	8	76.2	..*UN3″1/8x8
UN 3″1/4	8	261	86	50.0	40.0	8	79.4	..*UN3″1/4x8
UN 3″1/2	8	261	86	50.0	40.0	8	85.7	..*UN3″1/2x8
UN 3″3/4	8	279	89	56.0	45.0	8	92.1	..*UN3″3/4x8
UN 4″	8	279	89	56.0	45.0	8	98.4	..*UN4″x8

Ordering example: Hand taps 3411UN1″1/16x8 HSS
Bestellbeispiel: Handgewindebohrer 3411UN1″1/16x8 HSS
Начин на заявяване: Метчици ръчни 3411UN1″1/16x8 HSS

Machine Taps
with spiral point for
American Unified thread 8-UN
according to ANSI B1.1
Grade of fit: 2B
Ground thread
Form B 4-5 threads chamfered

Maschinengewindebohrer
mit Schälanschnitt für amerikanisches
unifiziertes Gewinde 8-UN
nach ANSI B1.1
Toleranzfeld: 2B
Geschliffenes Gewinde
Form B 4-5 Gang Anschnitt

Метчици машинни
с подточени канали за
американска унифицирана
резба 8-UN по ANSI B1.1
Клас на точност: 2B
Шлифована резба
Форма B 4-5 навивки конус





8-UN ISO 529 B

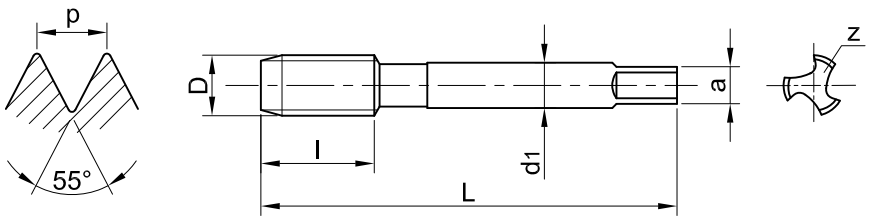
d	p / inch	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 3412*..
UN 1″1/16	8	138	48	20.0	16.0	4	23.8	..*UN1″1/16x8
UN 1″1/8	8	138	48	20.0	16.0	4	25.4	..*UN1″1/8x8
UN 1″3/16	8	151	51	22.4	18.0	4	27.0	..*UN1″3/16x8
UN 1″1/4	8	151	51	22.4	18.0	4	28.6	..*UN1″1/4x8
UN 1″5/16	8	162	57	25.0	20.0	4	30.2	..*UN1″5/16x8
UN 1″3/8	8	162	57	25.0	20.0	4	31.8	..*UN1″3/8x8
UN 1″1/2	8	170	60	28.0	22.4	4	35.0	..*UN1″1/2x8
UN 1″5/8	8	170	60	28.0	22.4	6	38.1	..*UN1″5/8x8
UN 1″3/4	8	187	67	31.5	25.0	6	41.3	..*UN1″3/4x8
UN 1″7/8	8	187	67	31.5	25.0	6	44.5	..*UN1″7/8x8
UN 2″	8	200	70	35.5	28.0	6	47.6	..*UN2″x8
UN 2″1/8	8	200	70	35.5	28.0	8	50.8	..*UN2″1/8x8
UN 2″1/4	8	221	76	40.0	31.5	8	54.0	..*UN2″1/4x8
UN 2″3/8	8	221	76	40.0	31.5	8	57.2	..*UN2″3/8x8
UN 2″1/2	8	224	79	40.0	31.5	8	60.3	..*UN2″1/2x8
UN 2″3/4	8	234	79	45.0	35.5	8	66.7	..*UN2″3/4x8
UN 3″	8	258	83	50.0	40.0	8	73.0	..*UN3″x8
UN 3″1/8	8	258	83	50.0	40.0	8	76.2	..*UN3″1/8x8
UN 3″1/4	8	261	86	50.0	40.0	8	79.4	..*UN3″1/4x8
UN 3″1/2	8	261	86	50.0	40.0	8	85.7	..*UN3″1/2x8
UN 3″3/4	8	279	89	56.0	45.0	8	92.1	..*UN3″3/4x8
UN 4″	8	279	89	56.0	45.0	8	98.4	..*UN4″x8

Ordering example: Machine taps 3412UN1″1/16x8 HSSE
Bestellbeispiel: Maschinengewindebohrer 3411UN1″1/16x8 HSSE
Начин на заявяване: Метчици машинни 3411UN1″1/16x8 HSSE

Hand Taps
Set of 3 pieces for Whitworth thread according to BS 84
Grade of fit: medium class
Ground thread

Handgewindebohrer
Dreiteiliger Satz für Whitworth-Gewinde nach BS 84
Toleranzfeld: medium class
Geschliffenes Gewinde

Метчици ръчни
Комплект от 3 броя за Витвортова резба по BS 84
Клас на точност: medium
Шлифована резба





BSW ≈ DIN 352

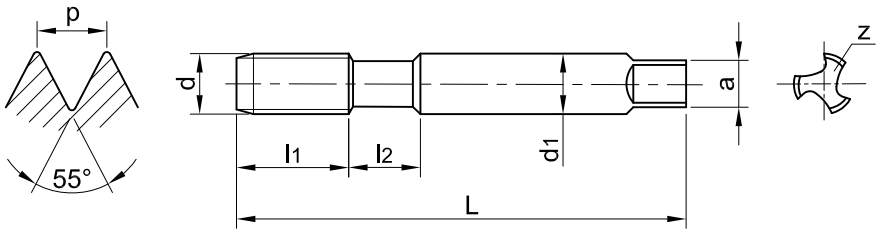
d	p / inch	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 112*..
BSW 3/32	48	36	10	2.8	2.1	3	1.9	112BSW3/32x48
BSW 1/8	40	40	12	3.5	2.7	3	2.5	112BSW1/8x40
BSW 5/32	32	45	14	4.5	3.4	3	3.2	112BSW5/32x32
BSW 3/16	24	50	18	6.0	4.9	3	3.6	112BSW3/16x24
BSW 7/32	24	50	18	6.0	4.9	3	4.5	112BSW7/32x24
BSW 1/4	20	50	19	6.0	4.9	3	5.1	112BSW1/4x20
BSW 5/16	18	56	22	6.0	4.9	4	6.5	112BSW5/16x18
BSW 3/8	16	70	24	7.0	5.5	4	7.9	112BSW3/8x16
BSW 7/16	14	70	24	8.0	6.2	4	9.3	112BSW7/16x14
BSW 1/2	12	75	29	9.0	7.0	4	10.5	112BSW1/2x12
BSW 9/16	12	80	30	11.0	9.0	4	12.0	112BSW9/16x12
BSW 5/8	11	80	32	12.0	9.0	4	13.5	112BSW5/8x11
BSW 3/4	10	95	40	14.0	11.0	4	16.5	112BSW3/4x10
BSW 7/8	9	100	40	18.0	14.5	4	19.25	112BSW7/8x9
BSW 1″	8	110	50	18.0	14.5	4	22.0	112BSW1″x8
BSW 1″1/8	7	132	56	22.0	18.0	4	24.75	112BSW1″1/8x7
BSW 1″1/4	7	132	56	22.0	18.0	4	28.0	112BSW1″1/4x7
BSW 1″3/8	6	150	63	28.0	22.0	4	30.5	112BSW1″3/8x6
BSW 1″1/2	6	150	63	32.0	24.0	4	33.5	112BSW1″1/2x6
BSW 1″5/8	5	160	70	32.0	24.0	4	35.5	112BSW1″5/8x5
BSW 1″3/4	5	160	70	36.0	29.0	6	39.0	112BSW1″3/4x5
BSW 1″7/8	4.5	190	80	36.0	29.0	6	41.5	112BSW1″7/8x4.5
BSW 2″	4.5	190	80	40.0	32.0	6	44.5	112BSW2″x4.5

Ordering example: Hand taps 112BSW3/32x48 HSS - for 1 set /I, II, III/
Bestellbeispiel: Handgewindebohrer 112BSW3/32x48 HSS - für 1 Satz /I, II, III/
Начин на заявяване: Метчици ръчни 112BSW3/32x48 HSS - за 1 комплект /I, II, III/

Hand Taps
for Whitworth thread
according to BS 84
Grade of fit: medium class
Ground thread
Form A 6-8 threads chamfered
Form D 4-5 threads chamfered
Form C 2-3 threads chamfered

Handgewindebohrer
für Whitworth-Gewinde
nach BS 84
Toleranzfeld: medium class
Geschliffenes Gewinde
Form A 6-8 Gang Anschnitt
Form D 4-5 Gang Anschnitt
Form C 2-3 Gang Anschnitt

Метчици ръчни
за Витвортова резба
по BS 84
Клас на точност: medium
Шлифована резба
Форма A 6-8 навивки конус
Форма D 4-5 навивки конус
Форма C 2-3 навивки конус





BSW ISO 529

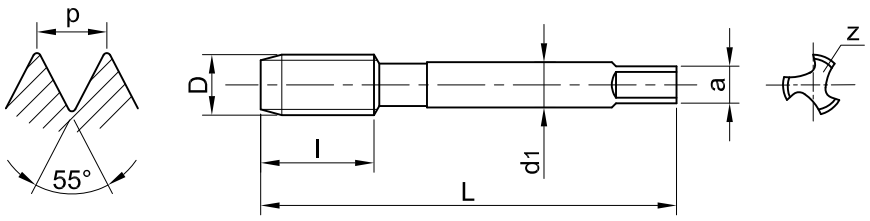
d	p / inch	L mm	l1 mm	l2 mm	d1 mm	a mm	z	Ø	Art. No. A 3121*.. Art. No. D 3124*.. Art. No. C 3123*..
BSW 3/32	48	44.5	9.5	6	2.8	2.24	3	1.9	..*BSW3/32x48
BSW 1/8	40	48	11	7	3.15	2.5	3	2.5	..*BSW1/8x40
BSW 5/32	32	53	13	8	4.0	3.15	3	3.2	..*BSW5/32x32
BSW 3/16	24	58	16	9	5.0	4.0	3	3.6	..*BSW3/16x24
BSW 7/32	24	62	17	9	5.6	4.5	3	4.5	..*BSW7/32x24
BSW 1/4	20	66	19	11	6.3	5.0	3	5.1	..*BSW1/4x20
BSW 5/16	18	72	22	13	8.0	6.3	4	6.5	..*BSW5/16x18
BSW 3/8	16	80	24	15	10.0	8.0	4	7.9	..*BSW3/8x16
BSW 7/16	14	85	25		8.0	6.3	4	9.3	..*BSW7/16x14
BSW 1/2	12	89	29		9.0	7.1	4	10.5	..*BSW1/2x12
BSW 9/16	12	95	30		11.2	9.0	4	12.0	..*BSW9/16x12
BSW 5/8	11	102	32		12.5	10.0	4	13.5	..*BSW5/8x11
BSW 3/4	10	112	37		14.0	11.2	4	16.5	..*BSW3/4x10
BSW 7/8	9	118	38		16.0	12.5	4	19.25	..*BSW7/8x9
BSW 1″	8	130	45		18.0	14.0	4	22.0	..*BSW1″x8
BSW 1″1/8	7	138	48		20.0	16.0	4	24.75	..*BSW1″1/8x7
BSW 1″1/4	7	151	51		22.4	18.0	4	28.0	..*BSW1″1/4x7
BSW 1″3/8	6	162	57		25.0	20.0	4	30.5	..*BSW1″3/8x6
BSW 1″1/2	6	170	60		28.0	22.4	4	33.5	..*BSW1″1/2x6
BSW 1″5/8	5	170	60		28.0	22.4	6	35.5	..*BSW1″5/8x5
BSW 1″3/4	5	187	67		31.5	25.0	6	39.0	..*BSW1″3/4x5
BSW 1″7/8	4.5	187	67		31.5	25.0	6	41.5	..*BSW1″7/8x4.5
BSW 2″	4.5	200	70		35.5	28.0	6	44.5	..*BSW2″x4.5

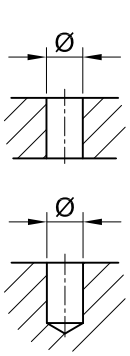
Ordering example: Hand taps 3121BSW3/32x48 HSS
Bestellbeispiel: Handgewindebohrer 3121BSW3/32x48 HSS
Начин на заявяване: Метчици ръчни 3121BSW3/32x48 HSS

Hand Taps
for Whitworth thread
according to BS 84
Grade of fit: medium class
Ground thread
Form A 6-8 threads chamfered
Form D 4-5 threads chamfered
Form C 2-3 threads chamfered

Handgewindebohrer
für Whitworth-Gewinde
nach BS 84
Toleranzfeld: medium class
Geschliffenes Gewinde
Form A 6-8 Gang Anschnitt
Form D 4-5 Gang Anschnitt
Form C 2-3 Gang Anschnitt

Метчици ръчни
за Витвортова резба
по BS 84
Клас на точност: medium
Шлифована резба
Форма A 6-8 навивки конус
Форма D 4-5 навивки конус
Форма C 2-3 навивки конус







W (BSW) JIS

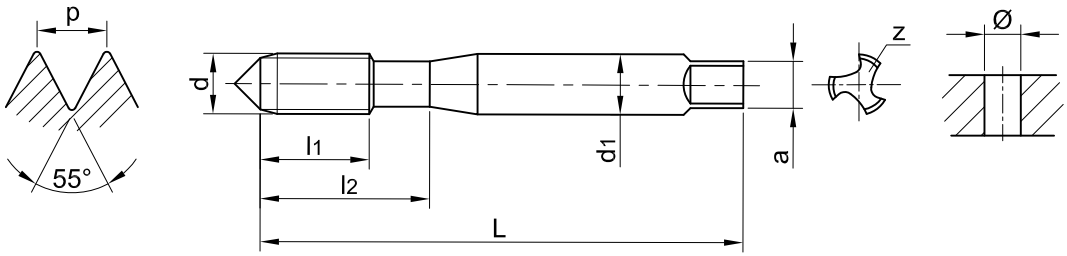
d	p / inch	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. A 4121*.. Art. No. D 4124*.. Art. No. C 4123*..
W 1/8	40	46	18	4.0	3.2	3	2.5	..*W1/8x40
W 5/32	32	52	20	5.0	4.0	4	3.2	..*W5/32x32
W 3/16	24	60	22	5.5	4.5	4	3.6	..*W3/16x24
W 1/4	20	62	24	6.0	4.5	4	5.1	..*W1/4x20
W 5/16	18	70	30	6.1	5.0	4	6.5	..*W5/16x18
W 3/8	16	75	30	7.0	5.5	4	7.9	..*W3/8x16
W 7/16	14	80	38	8.0	6.0	4	9.3	..*W7/16x14
W 1/2	12	85	42	9.0	7.0	4	10.5	..*W1/2x12
W 9/16	12	90	42	10.5	8.0	4	12.0	..*W9/16x12
W 5/8	11	95	45	12.0	9.0	4	13.5	..*W5/8x11
W 3/4	10	105	50	14.0	11.0	4	16.5	..*W3/4x10
W 7/8	9	115	55	17.0	13.0	4	19.25	..*W7/8x9
W 1″	8	126	60	20.0	15.0	4	22.0	..*W1″x8
W 1″1/4	7	145	70	24.0	19.0	4	28.0	..*W1″1/4x7

Ordering example: Hand taps 4121W1/8x40 HSS
Bestellbeispiel: Handgewindebohrer 4121W1/8x40 HSS
Начин на заявяване: Метчици ръчни 4121W1/8x40 HSS

Machine Taps
with spiral point for Whitworth thread according to BS 84
Grade of fit: medium class
Ground thread
Form B 4-5 threads chamfered

Maschinengewindebohrer
mit Schälanschnitt für Whitworth-Gewinde nach BS 84
Toleranzfeld: medium class
Geschliffenes Gewinde
Form B 4-5 Gang Anschnitt

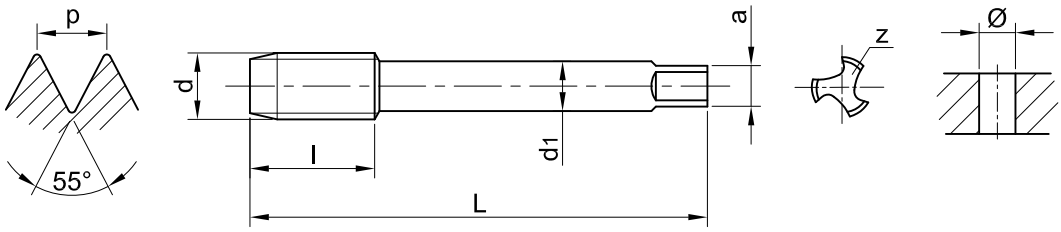
Метчици машинни
с подточени канали за Витвортова резба по BS 84
Клас на точност: medium
Шлифована резба
Форма B 4-5 навивки конус





BSW ≈ DIN 371 B

d	p / inch	L mm	l1 mm	l2 mm	d1 mm	a mm	z	Ø	Art. No. 2322*..
BSW 1/8	40	56	11	18	3.5	2.7	3	2.5	2322BSW1/8x40
BSW 5/32	32	63	13	21	4.5	3.4	3	3.2	2322BSW5/32x32
BSW 3/16	24	70	15	25	6.0	4.9	3	3.6	2322BSW3/16x24
BSW 1/4	20	80	17	30	7.0	5.5	3	5.1	2322BSW1/4x20
BSW 5/16	18	90	20	35	8.0	6.2	3	6.5	2322BSW5/16x18
BSW 3/8	16	100	22	39	9.0	7.0	3	7.9	2322BSW3/8x16
BSW 7/16	14	100	22	39	11.0	9.0	3	9.3	2322BSW7/16x14
BSW 1/2	12	110	25	43	12.0	9.0	3	10.5	2322BSW1/2x12





BSW ≈ DIN 376 B

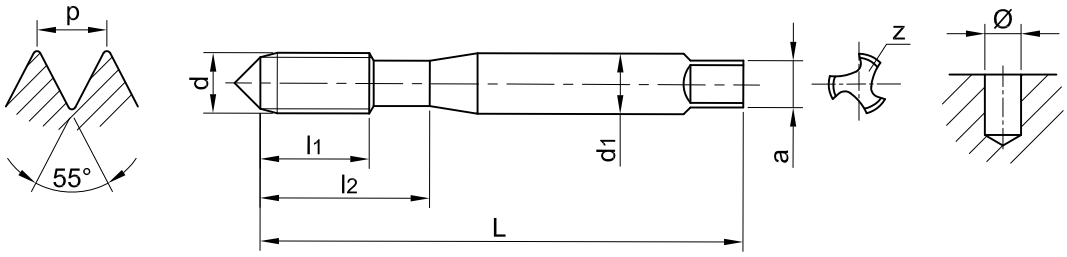
d	p / inch	L mm	l1 mm	d1 mm	a mm	z	Ø	Art. No. 2422*..
BSW 1/4	20	80	17	4.5	3.4	3	5.1	2422BSW1/4x20
BSW 5/16	18	90	20	6.0	4.9	3	6.5	2422BSW5/16x18
BSW 3/8	16	100	22	7.0	5.5	3	7.9	2422BSW3/8x16
BSW 7/16	14	100	22	8.0	6.2	3	9.3	2422BSW7/16x14
BSW 1/2	12	110	25	9.0	7.0	3	10.5	2422BSW1/2x12
BSW 9/16	12	110	26	11.0	9.0	3	12.0	2422BSW9/16x12
BSW 5/8	11	110	27	12.0	9.0	3	13.5	2422BSW5/8x11
BSW 3/4	10	125	30	14.0	11.0	4	16.5	2422BSW3/4x10
BSW 7/8	9	140	32	18.0	14.5	4	19.25	2422BSW7/8x9
BSW 1"	8	160	36	20.0	16.0	4	22.0	2422BSW1"x8
BSW 1"1/8	7	180	40	22.0	18.0	4	24.75	2422BSW1"1/8x7
BSW 1"1/4	7	180	40	22.0	18.0	4	28.0	2422BSW1"1/4x7
BSW 1"3/8	6	200	50	28.0	22.0	4	30.5	2422BSW1"3/8x6
BSW 1"1/2	6	200	50	32.0	24.0	4	33.5	2422BSW1"1/2x6
BSW 1"3/4	5	220	60	36.0	29.0	6	39.0	2422BSW1"3/4x5
BSW 2"	4.5	250	65	40.0	32.0	6	44.5	2422BSW2"x4.5

Ordering example: Machine taps 2322BSW1/8x40 HSSE
Bestellbeispiel: Maschinengewindebohrer 2322BSW1/8x40 HSSE
Начин на заявяване: Метчици машинни 2322BSW1/8x40 HSSE

Machine Taps
with helical flutes R35° for
Whitworth thread according to BS 84
Grade of fit: medium class
Ground thread
Form C 2-3 threads chamfered

Maschinengewindebohrer
drallgenutet R35° für
Whitworth-Gewinde nach BS 84
Toleranzfeld: medium class
Geschliffenes Gewinde
Form C 2-3 Gang Anschnitt

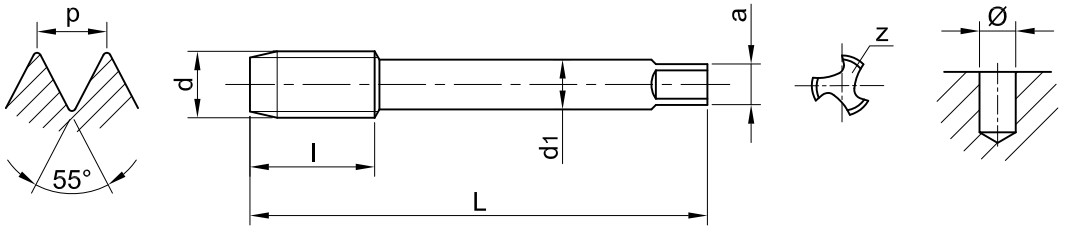
Метчици машинни
с винтови канали R35° за
Витвортова резба по BS 84
Клас на точност: medium
Шлифована резба
Форма C 2-3 навивки конус





BSW ≈ DIN 371 R35°

d	p / inch	L mm	l1 mm	l2 mm	d1 mm	a mm	z	Ø	Art. No. 2326*..
BSW 1/8	40	56	7	18	3.5	2.7	3	2.5	2326BSW1/8x40
BSW 5/32	32	63	7	21	4.5	3.4	3	3.2	2326BSW5/32x32
BSW 3/16	24	70	10	25	6.0	4.9	3	3.6	2326BSW3/16x24
BSW 1/4	20	80	13	30	7.0	5.5	3	5.1	2326BSW1/4x20
BSW 5/16	18	90	14	35	8.0	6.2	3	6.5	2326BSW5/16x18
BSW 3/8	16	100	16	39	9.0	7.0	3	7.9	2326BSW3/8x16
BSW 7/16	14	100	17	39	11.0	9.0	3	9.3	2326BSW7/16x14
BSW 1/2	12	110	20	43	12.0	9.0	3	10.5	2326BSW1/2x12





BSW ≈ DIN 376 R35°

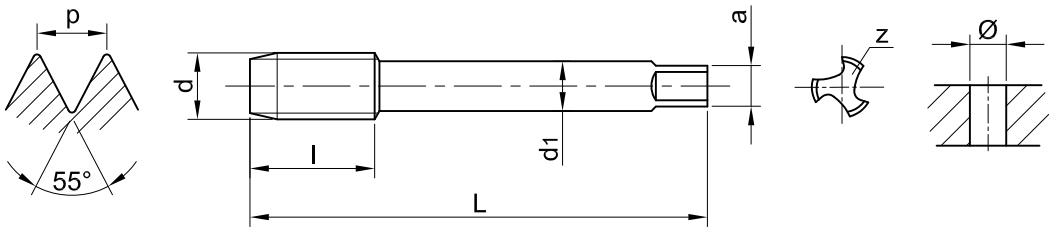
d	p / inch	L mm	l1 mm	d1 mm	a mm	z	Ø	Art. No. 2426*..
BSW 1/4	20	80	13	4.5	3.4	3	5.1	2426BSW1/4x20
BSW 5/16	18	90	14	6.0	4.9	3	6.5	2426BSW5/16x18
BSW 3/8	16	100	16	7.0	5.5	3	7.9	2426BSW3/8x16
BSW 7/16	14	100	17	8.0	6.2	3	9.3	2426BSW7/16x14
BSW 1/2	12	110	20	9.0	7.0	3	10.5	2426BSW1/2x12
BSW 9/16	12	110	20	11.0	9.0	3	12.0	2426BSW9/16x12
BSW 5/8	11	110	22	12.0	9.0	3	13.5	2426BSW5/8x11
BSW 3/4	10	125	25	14.0	11.0	4	16.5	2426BSW3/4x10
BSW 7/8	9	140	27	18.0	14.5	4	19.25	2426BSW7/8x9
BSW 1″	8	160	30	20.0	16.0	4	22.0	2426BSW1″x8
BSW 1″1/4	7	180	35	22.0	18.0	4	28.0	2426BSW1″1/4x7
BSW 1″3/8	6	200	40	28.0	22.0	4	30.5	2426BSW1″3/8x6
BSW 1″1/2	6	200	40	32.0	24.0	4	33.5	2426BSW1″1/2x6

Ordering example: Machine taps 2326BSW1/8x40 HSSE
Bestellbeispiel: Maschinengewindebohrer 2326BSW1/8x40 HSSE
Начин на заявяване: Метчици машинни 2326BSW1/8x40 HSSE

Machine Taps
with spiral point for Whitworth thread according to BS 84
Grade of fit: medium class
Ground thread
Form B 4-5 threads chamfered

Maschinengewindebohrer
mit Schälanschnitt für Whitworth-Gewinde nach BS 84
Toleranzfeld: medium class
Geschliffenes Gewinde
Form B 4-5 Gang Anschnitt

Метчици машинни
с подточени канали за Витвортова резба по BS 84
Клас на точност: medium
Шлифована резба
Форма B 4-5 навивки конус





W (BSW) JIS B

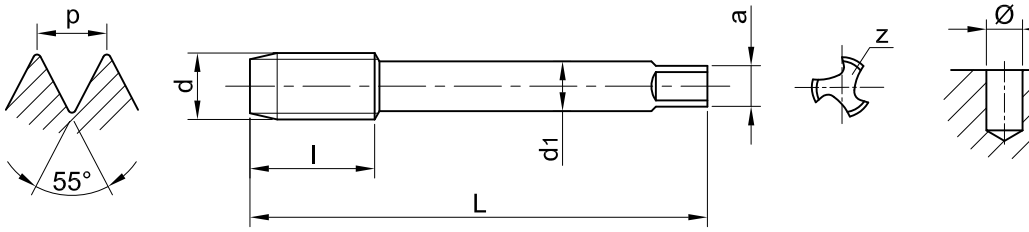
d	p / inch	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 4422*..
W 1/8	40	46	11	4.0	3.2	3	2.5	4422W1/8x40
W 5/32	32	52	13	5.0	4.0	3	3.2	4422W5/32x32
W 3/16	24	60	16	5.5	4.5	3	3.6	4422W3/16x24
W 1/4	20	62	19	6.0	4.5	3	5.1	4422W1/4x20
W 5/16	18	70	22	6.1	5.0	3	6.5	4422W5/16x18
W 3/8	16	75	24	7.0	5.5	3	7.9	4422W3/8x16
W 7/16	14	80	25	8.0	6.0	3	9.3	4422W7/16x14
W 1/2	12	85	29	9.0	7.0	3	10.5	4422W1/2x12
W 9/16	12	90	30	10.5	8.0	3	12.0	4422W9/16x12
W 5/8	11	95	32	12.0	9.0	3	13.5	4422W5/8x11
W 3/4	10	105	37	14.0	11.0	4	16.5	4422W3/4x10
W 7/8	9	115	38	17.0	13.0	4	19.25	4422W7/8x9
W 1″	8	126	45	20.0	15.0	4	22.0	4422W1″x8
W 1″1/4	7	145	51	24.0	19.0	4	28.0	4422W1″1/4x7

Ordering example: Machine taps 4422W1/8x40 HSSE
Bestellbeispiel: Maschinengewindebohrer 4422W1/8x40 HSSE
Начин на заявяване: Метчици машинни 4422W1/8x40 HSSE

Machine Taps
with helical flutes R39° for
Whitworth thread according to BS 84
Grade of fit: medium class
Ground thread
Form C 2-3 threads chamfered

Maschinengewindebohrer
drallgenutet R39° für
Whitworth-Gewinde nach BS 84
Toleranzfeld: medium class
Geschliffenes Gewinde
Form C 2-3 Gang Anschnitt

Метчици машинни
с винтови канали R39° за
Витвортова резба по BS 84
Клас на точност: medium
Шлифована резба
Форма C 2-3 навивки конус





W (BSW) JIS R39°

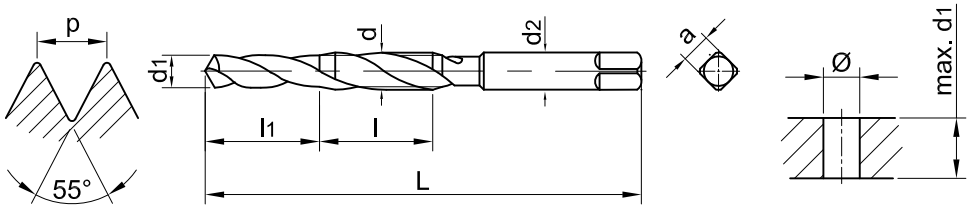
d	p / inch	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 4427*..
W 1/8	40	46	11	4.0	3.2	3	2.5	4427W1/8x40
W 5/32	32	52	13	5.0	4.0	3	3.2	4427W5/32x32
W 3/16	24	60	16	5.5	4.5	3	3.6	4427W3/16x24
W 1/4	20	62	19	6.0	4.5	3	5.1	4427W1/4x20
W 5/16	18	70	22	6.1	5.0	3	6.5	4427W5/16x18
W 3/8	16	75	24	7.0	5.5	3	7.9	4427W3/8x16
W 7/16	14	80	25	8.0	6.0	3	9.3	4427W7/16x14
W 1/2	12	85	29	9.0	7.0	3	10.5	4427W1/2x12
W 9/16	12	90	30	10.5	8.0	3	12.0	4427W9/16x12
W 5/8	11	95	32	12.0	9.0	3	13.5	4427W5/8x11
W 3/4	10	105	37	14.0	11.0	4	16.5	4427W3/4x10
W 7/8	9	115	38	17.0	13.0	4	19.25	4427W7/8x9
W 1″	8	126	45	20.0	15.0	4	22.0	4427W1″x8
W 1″1/4	7	145	51	24.0	19.0	4	28.0	4427W1″1/4x7

Ordering example: Machine taps 4427W1/8x40 HSSE
Bestellbeispiel: Maschinengewindebohrer 4427W1/8x40 HSSE
Начин на заявяване: Метчици машинни 4427W1/8x40 HSSE

Combined Taps
for Whitworth thread
according to BS 84
Grade of fit: medium class
Squared shank
Ground thread

Kombigewindebohrer
für Whitworth-Gewinde
nach BS 84
Toleranzfeld: medium class
mit Vierkant
Geschliffenes Gewinde

Свредло-метчици
за Витвортова резба
по BS 84
Клас на точност: medium
Опашка с квадрат
Шлифована резба





BSW

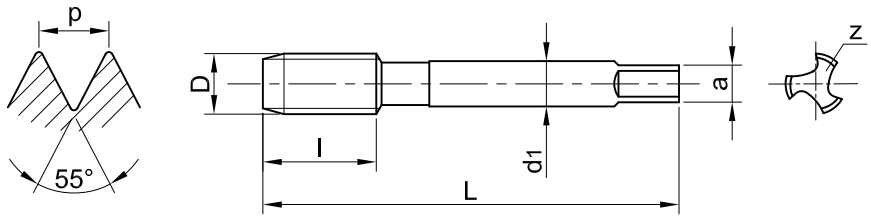
d	p / inch	L mm	l1 mm	l mm	d1 mm	d2 mm	a mm	Art. No. 812*..
BSW 1/8	40	56	16	11	2.6	3	2.4	812BSW1/8x40
BSW 5/32	32	63	18	14	3.2	4	3.0	812BSW5/32x32
BSW 3/16	24	71	20	18	3.7	5	3.8	812BSW3/16x24
BSW 1/4	20	80	22	22	5.1	6	4.9	812BSW1/4x20
BSW 5/16	18	95	26	25	6.5	8	6.2	812BSW5/16x18
BSW 3/8	16	106	30	31	7.9	10	8.0	812BSW3/8x16
BSW 1/2	12	116	32	35	10.5	12	9.0	812BSW1/2x12

Ordering example: Combined taps 812BSW1/8x40 HSS
Bestellbeispiel: Kombigewindebohrer 812BSW1/8x40 HSS
Начин на заявяване: Свредло-метчици 812BSW1/8x40 HSS

Hand Taps
Set of 2 pieces for Whitworth
Fine thread according to BS 84
Grade of fit: medium class
Ground thread

Handgewindebohrer
Zweiteiliger Satz für Whitworth-
Feingewinde nach BS 84
Toleranzfeld: medium class
Geschliffenes Gewinde

Метчици ръчни
Комплект от 2 броя за Витвортова
резба ситна стъпка по BS 84
Клас на точност: medium
Шлифована резба





BSF ≈ DIN 2181

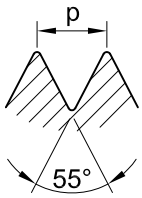
d	p / inch	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 122*..
BSF 3/16	32	50	14	6.0	4.9	3	4.0	122BSF3/16x32
BSF 1/4	26	50	18	6.0	4.9	3	5.2	122BSF1/4x26
BSF 5/16	22	56	22	6.0	4.9	4	6.6	122BSF5/16x22
BSF 3/8	20	63	22	7.0	5.5	4	8.1	122BSF3/8x20
BSF 7/16	18	63	22	8.0	6.2	4	9.5	122BSF7/16x18
BSF 1/2	16	75	24	9.0	7.0	4	11.0	122BSF1/2x16
BSF 9/16	16	80	28	11.0	9.0	4	12.5	122BSF9/16x16
BSF 5/8	14	80	28	12.0	9.0	4	14.0	122BSF5/8x14
BSF 3/4	12	95	32	14.0	11.0	4	16.5	122BSF3/4x12
BSF 7/8	11	100	36	18.0	14.5	4	19.5	122BSF7/8x11
BSF 1″	10	110	40	18.0	14.5	4	22.5	122BSF1″x10

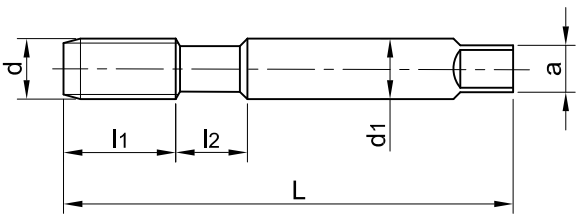
Ordering example: Hand taps 122BSF3/16x32 HSS - for 1 set /I, II/
Bestellbeispiel: Handgewindebohrer 122BSF3/16x32 HSS - für 1 Satz /I, II/
Начин на заявяване: Метчици ръчни 122BSF3/16x32 HSS - за 1 комплект /I, II/

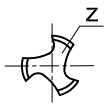
Hand Taps
for Whitworth Fine thread
according to BS 84
Grade of fit: medium class
Ground thread
Form A 6-8 threads chamfered
Form D 4-5 threads chamfered
Form C 2-3 threads chamfered

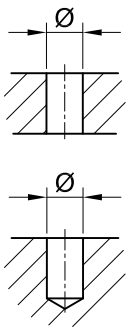
Handgewindebohrer
für Whitworth-Feingewinde
nach BS 84
Toleranzfeld: medium class
Geschliffenes Gewinde
Form A 6-8 Gang Anschnitt
Form D 4-5 Gang Anschnitt
Form C 2-3 Gang Anschnitt

Метчици ръчни
за Витвортова ситна резба
по BS 84
Клас на точност: medium
Шлифована резба
Форма A 6-8 навивки конус
Форма D 4-5 навивки конус
Форма C 2-3 навивки конус











BSF ISO 529

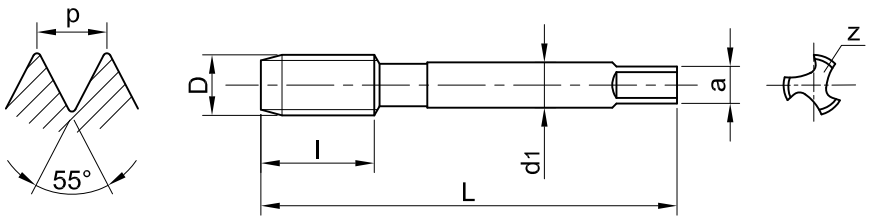
d	p / inch	L mm	l1 mm	l2 mm	d1 mm	a mm	z	Ø	Art. No. A 3221*.. Art. No. D 3224*.. Art. No. C 3223*..
BSF 3/16	32	58	16	9	5.0	4.0	3	4.0	..*BSF3/16x32
BSF 1/4	26	66	19	11	6.3	5.0	3	5.2	..*BSF1/4x26
BSF 5/16	22	72	22	13	8.0	6.3	4	6.6	..*BSF5/16x22
BSF 3/8	20	80	24	15	10.0	8.0	4	8.1	..*BSF3/8x20
BSF 7/16	18	85	25		8.0	6.3	4	9.5	..*BSF7/16x18
BSF 1/2	16	89	29		9.0	7.1	4	11.0	..*BSF1/2x16
BSF 9/16	16	95	30		11.2	9.0	4	12.5	..*BSF9/16x16
BSF 5/8	14	102	32		12.5	10.0	4	14.0	..*BSF5/8x14
BSF 3/4	12	112	37		14.0	11.2	4	16.5	..*BSF3/4x12
BSF 7/8	11	118	38		16.0	12.5	4	19.5	..*BSF7/8x11
BSF 1″	10	130	45		18.0	14.0	4	22.5	..*BSF1″x10
BSF 1″1/8	9	138	48		20.0	16.0	4	25.5	..*BSF1″1/8x9
BSF 1″1/4	9	151	51		22.4	18.0	4	29.0	..*BSF1″1/4x9
BSF 1″3/8	8	162	57		25.0	20.0	4	31.5	..*BSF1″3/8x8
BSF 1″1/2	8	170	60		28.0	22.4	4	34.5	..*BSF1″1/2x8
BSF 1″5/8	8	170	60		28.0	22.4	6	37.6	..*BSF1″5/8x8
BSF 1″3/4	7	187	67		31.5	25.0	6	40.5	..*BSF1″3/4x7
BSF 1″7/8	7	187	67		31.5	25.0	6	43.5	..*BSF1″7/8x7
BSF 2″	7	200	70		35.5	28.0	6	47.0	..*BSF2″x7

Ordering example: Hand taps 3221BSF3/16x32 HSS
Bestellbeispiel: Handgewindebohrer 3221BSF3/16x32 HSS
Начин на заявяване: Метчици ръчни 3221BSF3/16x32 HSS

Hand Taps
Set of 2 pieces for
Whitworth Pipe thread
according to DIN ISO 228
Ground thread

Handgewindebohrer
Zweiteiliger Satz für
Whitworth-Rohrgewinde
nach DIN ISO 228
Geschliffenes Gewinde

Метчици ръчни
Комплект от 2 броя за
тръбна цилиндрична резба
по DIN ISO 228
Шлифована резба





G (BSPF) DIN 5157

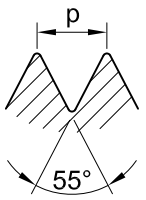
d	p / inch	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 113*..
G 1/8	28	63	20	7	5.5	3	8.8	113G1/8x28
G 1/4	19	70	22	11	9.0	4	11.8	113G1/4x19
G 3/8	19	70	22	12	9.0	4	15.25	113G3/8x19
G 1/2	14	80	22	16	12.0	4	19.0	113G1/2x14
G 5/8	14	80	22	18	14.5	4	21.0	113G5/8x14
G 3/4	14	90	22	20	16.0	4	24.5	113G3/4x14
G 7/8	14	90	22	22	18.0	4	28.25	113G7/8x14
G 1″	11	100	25	25	20.0	4	30.75	113G1″x11
G 1″1/8	11	125	40	28	22.0	4	35.4	113G1″1/8x11
G 1″1/4	11	125	40	32	24.0	4	39.3	113G1″1/4x11
G 1″3/8	11	140	40	36	29.0	4	41.9	113G1″3/8x11
G 1″1/2	11	140	40	36	29.0	6	45.2	113G1″1/2x11
G 1″5/8	11	140	40	40	32.0	6	49.4	113G1″5/8x11
G 1″3/4	11	140	40	40	32.0	6	51.1	113G1″3/4x11
G 2″	11	160	40	45	35.0	8	57.0	113G2″x11
G 2″1/4	11	160	40	50	39.0	8	63.1	113G2″1/4x11
G 2″1/2	11	160	40	50	39.0	8	72.6	113G2″1/2x11
G 2″3/4	11	160	40	50	39.0	10	78.9	113G2″3/4x11
G 3″	11	160	40	50	39.0	10	85.3	113G3″x11
G 3″1/2	11	180	45	56	44.0	12	97.7	113G3″1/2x11
G 4″	11	180	45	56	44.0	14	110.4	113G4″x11

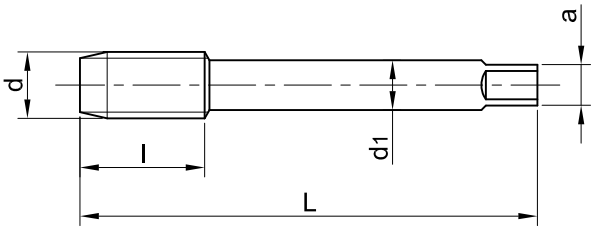
Ordering example: Hand taps 113G1/8x28 HSS - for 1 set /I, II/
Bestellbeispiel: Handgewindebohrer 113G1/8x28 HSS - für 1 Satz /I, II/
Начин на заявяване: Метчици ръчни 113G1/8x28 HSS - за 1 комплект /I, II/

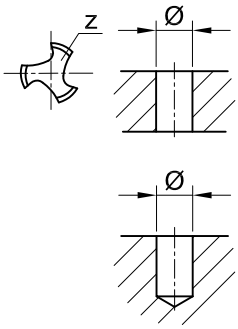
Hand Taps
for Whitworth Pipe thread
according to DIN ISO 228
Ground thread
Form A 6-8 threads chamfered
Form D 4-5 threads chamfered
Form C 2-3 threads chamfered

Handgewindebohrer
für Whitworth-Rohrgewinde
nach DIN ISO 228
Geschliffenes Gewinde
Form A 6-8 Gang Anschnitt
Form D 4-5 Gang Anschnitt
Form C 2-3 Gang Anschnitt

Метчици ръчни
за тръбна цилиндрична резба
по DIN ISO 228
Шлифована резба
Форма A 6-8 навивки конус
Форма D 4-5 навивки конус
Форма C 2-3 навивки конус









G (BSPF) ISO 2284

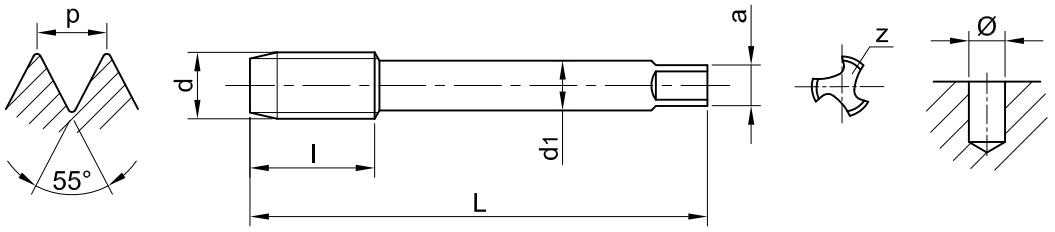
d	p / inch	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. A 3131*.. Art. No. D 3134*.. Art. No. C 3133*..
G 1/8	28	59	15	8.0	6.3	4	8.8	..*G1/8x28
G 1/4	19	67	19	10.0	8.0	4	11.8	..*G1/4x19
G 3/8	19	75	21	12.5	10.0	4	15.25	..*G3/8x19
G 1/2	14	87	26	16.0	12.5	4	19.0	..*G1/2x14
G 5/8	14	91	26	18.0	14.0	4	21.0	..*G5/8x14
G 3/4	14	96	28	20.0	16.0	4	24.5	..*G3/4x14
G 7/8	14	102	29	22.4	18.0	4	28.25	..*G7/8x14
G 1″	11	109	33	25.0	20.0	6	30.75	..*G1″x11
G 1″1/8	11	115	34	28.0	22.4	6	35.4	..*G1″1/8x11
G 1″1/4	11	119	36	31.5	25.0	6	39.3	..*G1″1/4x11
G 1″1/2	11	125	37	35.5	28.0	6	45.2	..*G1″1/2x11
G 1″3/4	11	132	39	35.5	28.0	6	51.1	..*G1″3/4x11
G 2″	11	140	41	40.0	31.5	6	57.0	..*G2″x11
G 2″1/4	11	142	42	40.0	31.5	8	63.1	..*G2″1/4x11
G 2″1/2	11	153	45	45.0	35.5	8	72.6	..*G2″1/2x11
G 3″	11	164	48	50.0	40.0	8	85.3	..*G3″x11
G 4″	11	185	53	71.0	56.0	14	110.4	..*G4″x11

Ordering example: Hand taps 3131G1/8x28 HSS
Bestellbeispiel: Handgewindebohrer 3131G1/8x28 HSS
Начин на заявяване: Метчици ръчни 3131G1/8x28 HSS

Machine Taps
for Whitworth Pipe thread
according to DIN ISO 228
Ground thread
Form C 2-3 threads chamfered

Maschinengewindebohrer
für Whitworth-Rohrgewinde nach
DIN ISO 228
Geschliffenes Gewinde
Form C 2-3 Gang Anschnitt

Метчици машинни
за тръбна цилиндрична резба
по DIN ISO 228
Шлифована резба
Форма C 2-3 навивки конус





G (BSPF) DIN 5156 C

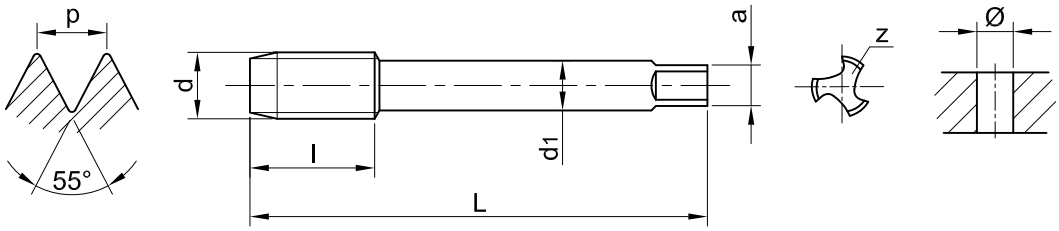
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G 1/8	28	90	20	7.0	5.5	3	8.8	2333G1/8x28
G 1/4	19	100	22	11.0	9.0	3	11.8	2333G1/4x19
G 3/8	19	100	22	12.0	9.0	4	15.25	2333G3/8x19
G 1/2	14	125	25	16.0	12.0	4	19.0	2333G1/2x14
G 5/8	14	125	25	18.0	14.5	4	21.0	2333G5/8x14
G 3/4	14	140	28	20.0	16.0	4	24.5	2333G3/4x14
G 7/8	14	150	28	22.0	18.0	4	28.25	2333G7/8x14
G 1″	11	160	30	25.0	20.0	4	30.75	2333G1″x11
G 1″1/8	11	170	30	28.0	22.0	4	35.4	2333G1″1/8x11
G 1″1/4	11	170	30	32.0	24.0	6	39.3	2333G1″1/4x11
G 1″3/8	11	180	32	36.0	29.0	6	41.9	2333G1″3/8x11
G 1″1/2	11	190	32	36.0	29.0	6	45.2	2333G1″1/2x11
G 1″3/4	11	190	32	40.0	32.0	6	51.1	2333G1″3/4x11
G 2″	11	220	40	45.0	35.0	8	57.0	2333G2″x11

Ordering example: Machine taps 2333G1/8x28 HSSE
Bestellbeispiel: Maschinengewindebohrer 2333G1/8x28 HSSE
Начин на заявяване: Метчици машинни 2333G1/8x28 HSSE

Machine Taps
with spiral point for
Whitworth Pipe thread
according to DIN ISO 228
Ground thread
Form B 2-3 threads chamfered

Maschinengewindebohrer
mit Schälanschnitt für
Whitworth-Rohrgewinde
nach DIN ISO 228
Geschliffenes Gewinde
Form B 2-3 Gang Anschnitt

Метчици машинни
с подточени канали за
тръбна цилиндрична резба
по DIN ISO 228
Шлифована резба
Форма B 2-3 навивки конус





G (BSPF) DIN 5156 B

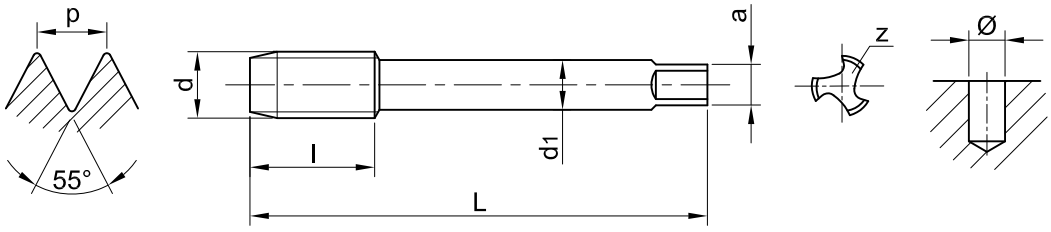
d	p / inch	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 2332*..
G 1/8	28	90	20	7.0	5.5	3	8.8	2332G1/8x28
G 1/4	19	100	22	11.0	9.0	3	11.8	2332G1/4x19
G 3/8	19	100	22	12.0	9.0	4	15.25	2332G3/8x19
G 1/2	14	125	25	16.0	12.0	4	19.0	2332G1/2x14
G 5/8	14	125	25	18.0	14.5	4	21.0	2332G5/8x14
G 3/4	14	140	28	20.0	16.0	4	24.5	2332G3/4x14
G 7/8	14	150	28	22.0	18.0	4	28.25	2332G7/8x14
G 1″	11	160	30	25.0	20.0	4	30.75	2332G1″x11
G 1″1/8	11	170	30	28.0	22.0	4	35.4	2332G1″1/8x11
G 1″1/4	11	170	30	32.0	24.0	6	39.3	2332G1″1/4x11
G 1″3/8	11	180	32	36.0	29.0	6	41.9	2332G1″3/8x11
G 1″1/2	11	190	32	36.0	29.0	6	45.2	2332G1″1/2x11
G 1″5/8	11	190	32	40.0	32.0	6	49.4	2332G1″5/8x11
G 1″3/4	11	190	32	40.0	32.0	6	51.1	2332G1″3/4x11
G 2″	11	220	40	45.0	35.0	8	57.0	2332G2″x11

Ordering example: Machine taps 2332G1/8x28 HSSE
Bestellbeispiel: Maschinengewindebohrer 2332G1/8x28 HSSE
Начин на заявяване: Метчици машинни 2332G1/8x28 HSSE

Machine Taps
with helical flutes R35° for
Whitworth Pipe thread
according to DIN ISO 228
Ground thread
Form C 2-3 threads chamfered

Maschinengewindebohrer
drallgenutet R35° für
Whitworth-Rohrgewinde
nach DIN ISO 228
Geschliffenes Gewinde
Form C 2-3 Gang Anschnitt

Метчици машинни
с винтови канали R35° за
тръбна цилиндрична резба
по DIN ISO 228
Шлифована резба
Форма C 2-3 навивки конус





G (BSPF) DIN 5156 R35°

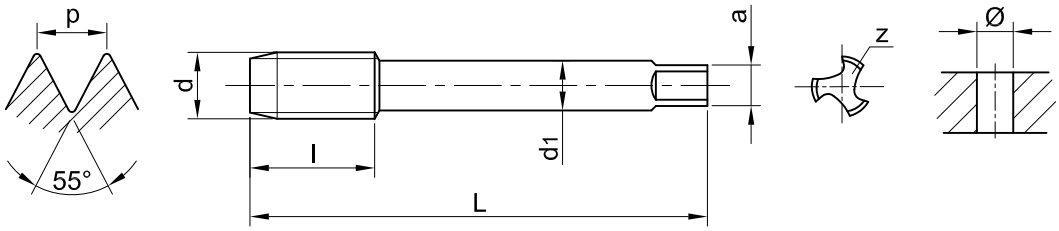
d	p / inch	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 2336*..
G 1/8	28	90	20	7.0	5.5	3	8.8	2336G1/8x28
G 1/4	19	100	22	11.0	9.0	3	11.8	2336G1/4x19
G 3/8	19	100	22	12.0	9.0	3	15.25	2336G3/8x19
G 1/2	14	125	25	16.0	12.0	4	19.0	2336G1/2x14
G 5/8	14	125	25	18.0	14.5	4	21.0	2336G5/8x14
G 3/4	14	140	28	20.0	16.0	4	24.5	2336G3/4x14
G 7/8	14	150	28	22.0	18.0	4	28.25	2336G7/8x14
G 1″	11	160	30	25.0	20.0	4	30.75	2336G1″x11
G 1″1/8	11	170	30	28.0	22.0	4	35.4	2336G1″1/8x11
G 1″1/4	11	170	30	32.0	24.0	6	39.3	2336G1″1/4x11
G 1″3/8	11	180	32	36.0	29.0	6	41.9	2336G1″3/8x11
G 1″1/2	11	190	32	36.0	29.0	6	45.2	2336G1″1/2x11
G 1″3/4	11	190	32	40.0	32.0	6	51.1	2336G1″3/4x11
G 2″	11	220	40	45.0	35.0	6	57.0	2336G2″x11

Ordering example: Machine taps 2336G1/8x28 HSSE
Bestellbeispiel: Maschinengewindebohrer 2336G1/8x28 HSSE
Начин на заявяване: Метчици машинни 2336G1/8x28 HSSE

Machine Taps
with spiral point for
Whitworth Pipe thread
according to DIN ISO 228
Ground thread
Form B 2-3 threads chamfered

Maschinengewindebohrer
mit Schälanschnitt für
Whitworth-Rohrgewinde
nach DIN ISO 228
Geschliffenes Gewinde
Form B 2-3 Gang Anschnitt

Метчици машинни
с подточени канали за
тръбна цилиндрична резба
по DIN ISO 228
Шлифована резба
Форма B 2-3 навивки конус





G (BSPF) ISO 2284 B

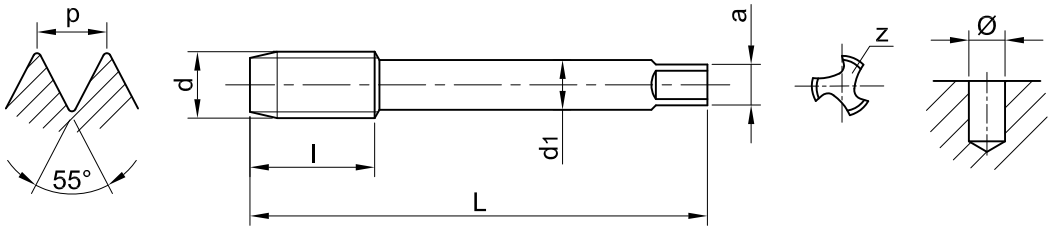
d	p / inch	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 3432*..
G 1/8	28	59	15	8.0	6.3	3	8.8	3432G1/8x28
G 1/4	19	67	19	10.0	8.0	3	11.8	3432G1/4x19
G 3/8	19	75	21	12.5	10.0	3	15.25	3432G3/8x19
G 1/2	14	87	26	16.0	12.5	3	19.0	3432G1/2x14
G 5/8	14	91	26	18.0	14.0	3	21.0	3432G5/8x14
G 3/4	14	96	28	20.0	16.0	3	24.5	3432G3/4x14
G 7/8	14	102	29	22.4	18.0	4	28.25	3432G7/8x14
G 1″	11	109	33	25.0	20.0	4	30.75	3432G1″x11
G 1″1/8	11	115	34	28.0	22.4	4	35.4	3432G1″1/8x11
G 1″1/4	11	119	36	31.5	25.0	6	39.3	3432G1″1/4x11
G 1″3/8	11	125	37	35.5	28.0	6	41.9	3432G1″3/8x11
G 1″1/2	11	125	37	35.5	28.0	6	45.2	3432G1″1/2x11
G 1″3/4	11	132	39	35.5	28.0	6	51.1	3432G1″3/4x11
G 2″	11	140	41	40.0	31.5	8	57.0	3432G2″x11
G 2″1/4	11	142	42	40.0	31.5	8	63.1	3432G2″1/4x11
G 2″1/2	11	153	45	45.0	35.5	8	72.6	3432G2″1/2x11
G 2″3/4	11	160	46	50.0	40.0	8	79.1	3432G2″3/4x11
G 3″	11	164	48	50.0	40.0	8	85.3	3432G3″x11

Ordering example: Machine taps 3432G1/8x28 HSSE
Bestellbeispiel: Maschinengewindebohrer 3432G1/8x28 HSSE
Начин на заявяване: Метчици машинни 3432G1/8x28 HSSE

Machine Taps
with helical flutes R35° for
Whitworth Pipe thread
according to DIN ISO 228
Ground thread
Form C 2-3 threads chamfered

Maschinengewindebohrer
drallgenutet R35° für
Whitworth-Rohrgewinde
nach DIN ISO 228
Geschliffenes Gewinde
Form C 2-3 Gang Anschnitt

Метчици машинни
с винтови канали R35° за
тръбна цилиндрична резба
по DIN ISO 228
Шлифована резба
Форма C 2-3 навивки конус





G (BSPF) ISO 2284 R35°

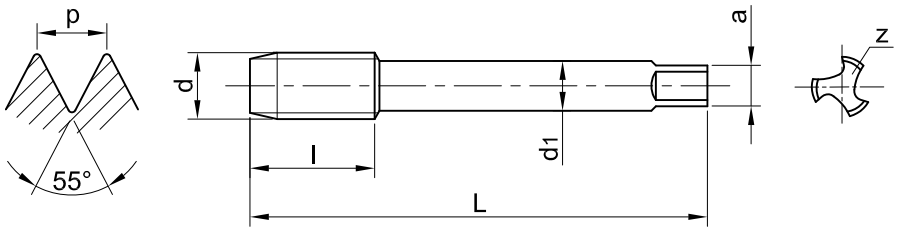
d	p / inch	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 3436*..
G 1/8	28	59	15	8.0	6.3	3	8.8	3436G1/8x28
G 1/4	19	67	19	10.0	8.0	3	11.8	3436G1/4x19
G 3/8	19	75	21	12.5	10.0	3	15.25	3436G3/8x19
G 1/2	14	87	26	16.0	12.5	3	19.0	3436G1/2x14
G 5/8	14	91	26	18.0	14.0	3	21.0	3436G5/8x14
G 3/4	14	96	28	20.0	16.0	3	24.5	3436G3/4x14
G 7/8	14	102	29	22.4	18.0	4	28.25	3436G7/8x14
G 1″	11	109	33	25.0	20.0	4	30.75	3436G1″x11
G 1″1/8	11	115	34	28.0	22.4	4	35.4	3436G1″1/8x11
G 1″1/4	11	119	36	31.5	25.0	6	39.3	3436G1″1/4x11
G 1″3/8	11	125	37	35.5	28.0	6	41.9	3436G1″3/8x11
G 1″1/2	11	125	37	35.5	28.0	6	45.2	3436G1″1/2x11
G 1″3/4	11	132	39	35.5	28.0	6	51.1	3436G1″3/4x11
G 2″	11	140	41	40.0	31.5	8	57.0	3436G2″x11
G 2″1/4	11	142	42	40.0	31.5	8	63.1	3436G2″1/4x11
G 2″1/2	11	153	45	45.0	35.5	8	72.6	3436G2″1/2x11
G 2″3/4	11	160	46	50.0	40.0	8	79.1	3436G2″3/4x11
G 3″	11	164	48	50.0	40.0	8	85.3	3436G3″x11

Ordering example: Machine taps 3436G1/8x28 HSSE
Bestellbeispiel: Maschinengewindebohrer 3436G1/8x28 HSSE
Начин на заявяване: Метчици машинни 3436G1/8x28 HSSE

Machine Taps
for Parallel Pipe thread
according to JIS B 0202
Ground thread
Form C 2-3 threads chamfered

Maschinengewindebohrer
für paralleles Rohrgewinde
nach JIS B 0202
Geschliffenes Gewinde
Form C 2-3 Gang Anschnitt

Метчици машинни
за тръбна цилиндрична резба
по JIS B 0202
Шлифована резба
Форма C 2-3 навивки конус





PF (G) JIS B 4445

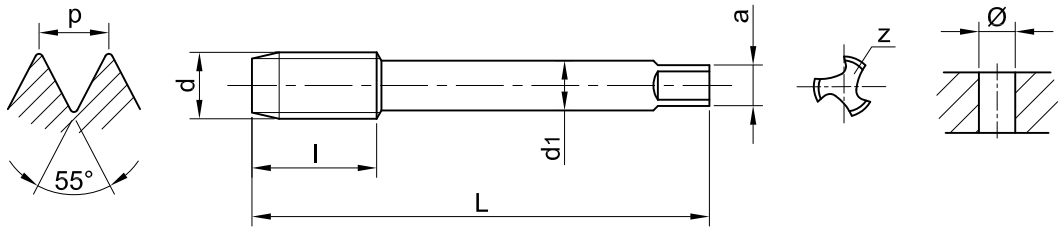
d	p / inch	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 4433*..
PF 1/16	28	55	19	6.5	5	4	6.8	4433PF1/16x28
PF 1/8	28	55	19	8.0	6	4	8.8	4433PF1/8x28
PF 1/4	19	62	28	11.0	9	4	11.8	4433PF1/4x19
PF 3/8	19	65	28	14.0	11	4	15.25	4433PF3/8x19
PF 1/2	14	80	35	18.0	14	4	19.0	4433PF1/2x14
PF 3/4	14	85	35	23.0	17	4	24.5	4433PF3/4x14
PF 1″	11	95	45	26.0	21	4	30.75	4433PF1″x11
PF 1″1/4	11	105	45	32.0	26	4	39.3	4433PF1″1/4x11
PF 1″1/2	11	110	45	38.0	29	6	45.2	4433PF1″1/2x11
PF 2″	11	120	50	46.0	35	6	57.0	4433PF2″x11

Ordering example: Machine taps 4433PF1/16x28 HSSE
Bestellbeispiel: Maschinengewindebohrer 4433PF1/16x28 HSSE
Начин на заявяване: Метчици машинни 4433PF1/16x28 HSSE

Machine Taps
with spiral point for
Parallel Pipe thread
according to JIS B 0202
Ground thread
Form B 4-5 threads chamfered

Maschinengewindebohrer
mit Schälanschnitt
für paralleles Rohrgewinde
nach JIS B 0202
Geschliffenes Gewinde
Form B 4-5 Gang Anschnitt

Метчици машинни
с подточени канали за
тръбна цилиндрична резба
по JIS B 0202
Шлифована резба
Форма B 4-5 навивки конус





PF (G) JIS B 4445 B

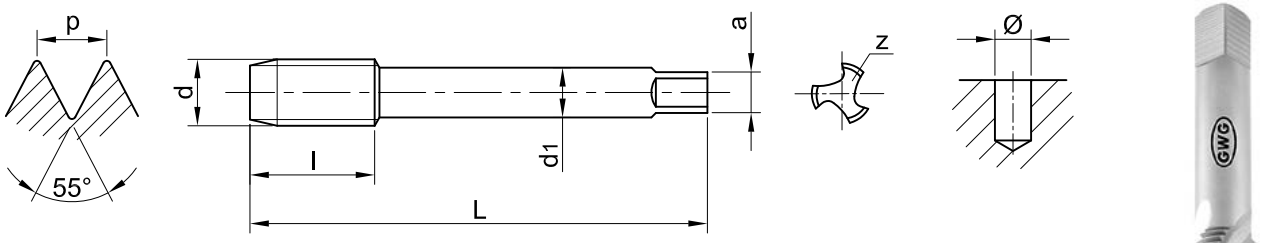
d	p / inch	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 4432*..
PF 1/16	28	55	19	6.5	5	3	6.8	4432PF1/16x28
PF 1/8	28	55	19	8.0	6	3	8.8	4432PF1/8x28
PF 1/4	19	62	28	11.0	9	3	11.8	4432PF1/4x19
PF 3/8	19	65	28	14.0	11	3	15.25	4432PF3/8x19
PF 1/2	14	80	35	18.0	14	4	19.0	4432PF1/2x14
PF 3/4	14	85	35	23.0	17	4	24.5	4432PF3/4x14
PF 1″	11	95	45	26.0	21	4	30.75	4432PF1″x11
PF 1″1/4	11	105	45	32.0	26	6	39.3	4432PF1″1/4x11
PF 1″1/2	11	110	45	38.0	29	6	45.2	4432PF1″1/2x11
PF 2″	11	120	50	46.0	35	6	57.0	4432PF2″x11

Ordering example: Machine taps 4432PF1/16x28 HSSE
Bestellbeispiel: Maschinengewindebohrer 4432PF1/16x28 HSSE
Начин на заявяване: Метчици машинни 4432PF1/16x28 HSSE

Machine Taps
with helical flutes R39° for
Parallel Pipe thread
according to JIS B 0202
Ground thread
Form C 2-3 threads chamfered

Maschinengewindebohrer
drallgenutet R39° für
paralleles Rohrgewinde
nach JIS B 0202
Geschliffenes Gewinde
Form C 2-3 Gang Anschnitt

Метчици машинни
с винтови канали R39° за
тръбна цилиндрична резба
по JIS B 0202
Шлифована резба
Форма C 2-3 навивки конус



PF (G) JIS B 4445 R39°

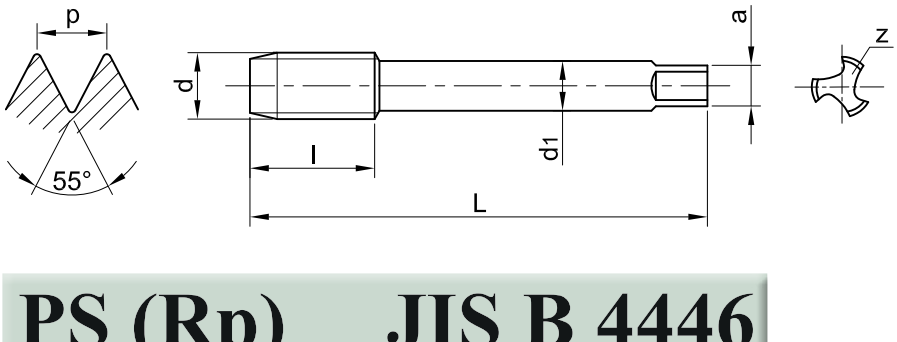
d	p / inch	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 4437*..
PF 1/16	28	55	19	6.5	5	3	6.8	4437PF1/16x28
PF 1/8	28	55	19	8.0	6	3	8.8	4437PF1/8x28
PF 1/4	19	62	28	11.0	9	3	11.8	4437PF1/4x19
PF 3/8	19	65	28	14.0	11	3	15.25	4437PF3/8x19
PF 1/2	14	80	35	18.0	14	4	19.0	4437PF1/2x14
PF 3/4	14	85	35	23.0	17	4	24.5	4437PF3/4x14
PF 1″	11	95	45	26.0	21	4	30.75	4437PF1″x11
PF 1″1/4	11	105	45	32.0	26	4	39.3	4437PF1″1/4x11
PF 1″1/2	11	110	45	38.0	29	4	45.2	4437PF1″1/2x11
PF 2″	11	120	50	46.0	35	4	57.0	4437PF2″x11

Ordering example: Machine taps 4437PF1/16x28 HSSE
Bestellbeispiel: Maschinengewindebohrer 4437PF1/16x28 HSSE
Начин на заявяване: Метчици машинни 4437PF1/16x28 HSSE

Machine Taps
for Parallel Pipe thread
according to JIS B 0203
Ground thread
Form C 2-3 threads chamfered

Maschinengewindebohrer
für paralleles Rohrgewinde
nach JIS B 0203
Geschliffenes Gewinde
Form C 2-3 Gang Anschnitt

Метчици машинни
за тръбна цилиндрична резба
по JIS B 0203
Шлифована резба
Форма C 2-3 навивки конус





PS (Rp) JIS B 4446

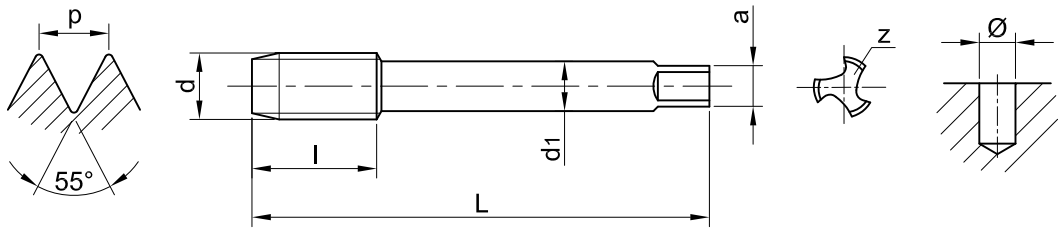
d	p / inch	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 44331*..
PS 1/16	28	55	19	6.5	5	4	6.5	44331PS1/16x28
PS 1/8	28	55	19	8.0	6	4	8.5	44331PS1/8x28
PS 1/4	19	62	28	11.0	9	4	11.4	44331PS1/4x19
PS 3/8	19	65	28	14.0	11	4	14.9	44331PS3/8x19
PS 1/2	14	80	35	18.0	14	4	18.5	44331PS1/2x14
PS 3/4	14	85	35	23.0	17	4	24.0	44331PS3/4x14
PS 1″	11	95	45	26.0	21	5	30.0	44331PS1″x11
PS 1″1/4	11	105	45	32.0	26	5	39.0	44331PS1″1/4x11
PS 1″1/2	11	110	45	38.0	29	6	45.0	44331PS1″1/2x11
PS 2″	11	120	50	46.0	35	6	56.0	44331PS2″x11

Ordering example: Machine taps 44331PS1/16x28 HSSE
Bestellbeispiel: Maschinengewindebohrer 44331PS1/16x28 HSSE
Начин на заявяване: Метчици машинни 44331PS1/16x28 HSSE

Machine Taps
with helical flutes R39°
for Parallel Pipe thread
according to JIS B 0203
Ground thread
Form C 2-3 threads chamfered

Maschinengewindebohrer
drallgenutet R39°
für paralleles Rohrgewinde
nach JIS B 0203
Geschliffenes Gewinde
Form C 2-3 Gang Anschnitt

Метчици машинни
с винтови канали R39°
за тръбна цилиндрична резба
по JIS B 0203
Шлифована резба
Форма C 2-3 навивки конус





PS (Rp) JIS B 4446 R39°

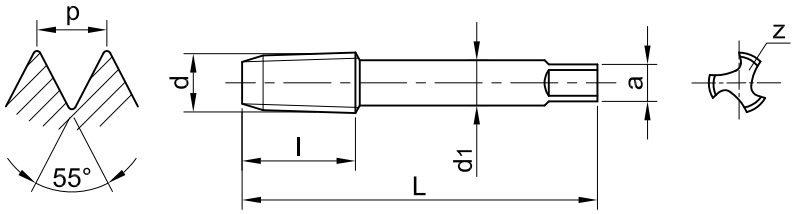
d	p / inch	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 44371*..
PS 1/16	28	55	19	6.5	5	3	6.5	44371PS1/16x28
PS 1/8	28	55	19	8.0	6	3	8.5	44371PS1/8x28
PS 1/4	19	62	28	11.0	9	3	11.4	44371PS1/4x19
PS 3/8	19	65	28	14.0	11	3	14.9	44371PS3/8x19
PS 1/2	14	80	35	18.0	14	4	18.5	44371PS1/2x14
PS 3/4	14	85	35	23.0	17	4	24.0	44371PS3/4x14
PS 1″	11	95	45	26.0	21	4	30.0	44371PS1″x11
PS 1″1/4	11	105	45	32.0	26	4	39.0	44371PS1″1/4x11
PS 1″1/2	11	110	45	38.0	29	4	45.0	44371PS1″1/2x11
PS 2″	11	120	50	46.0	35	4	56.0	44371PS2″x11

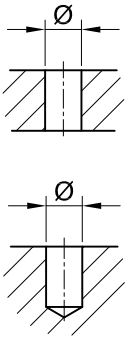
Ordering example: Machine taps 44371PS1/16x28 HSSE
Bestellbeispiel: Maschinengewindebohrer 44371PS1/16x28 HSSE
Начин на заявяване: Метчици машинни 44371PS1/16x28 HSSE

Taps
for Tapered Withworth Pipe thread according to BS 21
Taper 1:16
Ground thread
Form A 7-8 threads chamfered
Form D 4-5 threads chamfered
Form C 1.5-2 threads chamfered

Gewindebohrer
für Whithworth kegeliges Rohrgewinde nach BS 21
Kegel 1:16
Geschliffenes Gewinde
Form A 6-8 Gang Anschnitt
Form D 4-5 Gang Anschnitt
Form C 1.5-2 Gang Anschnitt

Метчици
за Витвортова тръбна конусна резба по BS 21
Конус 1:16
Шлифована резба
Форма A 6-8 навивки конус
Форма D 4-5 навивки конус
Форма C 1.5-2 навивки конус







Rc (BSPT) ISO 2284

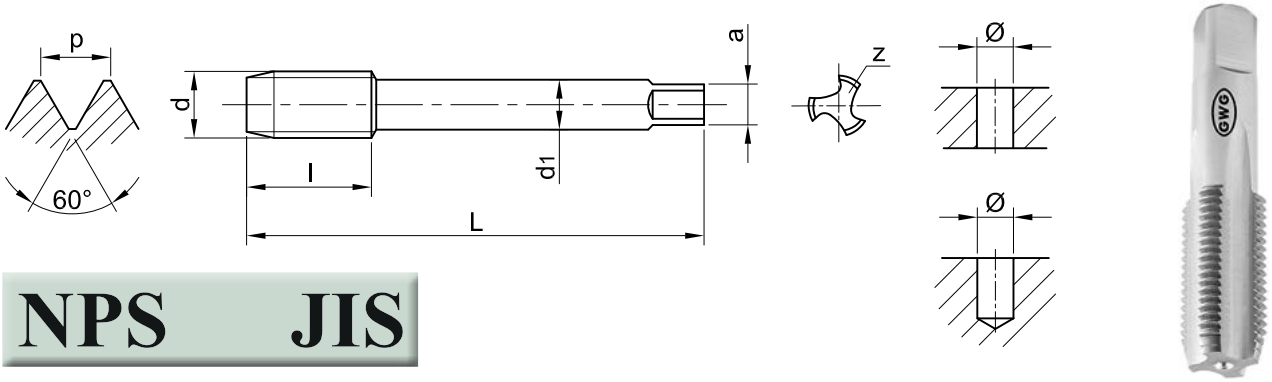
d	p / inch	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. A 3341*.. Art. No. D 3344*.. Art. No. C 3343*..
BSPT 1/8	28	59	15	8	6.3	4	8.6	..*BSPT1/8x28
BSPT 1/4	19	67	19	10	8.0	4	11.5	..*BSPT1/4x19
BSPT 3/8	19	75	21	12.5	10.0	4	15.0	..*BSPT3/8x19
BSPT 1/2	14	87	26	16	12.5	4	18.5	..*BSPT1/2x14
BSPT 3/4	14	96	28	20	16.0	5	24.0	..*BSPT3/4x14
BSPT 1″	11	109	33	25	20.0	5	30.25	..*BSPT1″x11
BSPT 1″1/4	11	119	36	31.5	25.0	5	39.0	..*BSPT1″1/4x11
BSPT 1″1/2	11	125	37	35.5	28.0	7	45.0	..*BSPT1″1/2x11
BSPT 2″	11	140	41	40	31.5	7	56.5	..*BSPT2″x11

Ordering example: Taps 3341BSPT1/8x28 HSS
Bestellbeispiel: Gewindebohrer 3341BSPT1/8x28 HSS
Начин на заявяване: Метчици 3341BSPT1/8x28 HSS

Machine Taps
for American Parallel Pipe thread
according to ANSI B1.20.1
Ground thread
Form C 2-3 threads chamfered

Maschinengewindebohrer
für amerikanisches paralleles
Rohrgewinde
nach ANSI B1.20.1
Geschliffenes Gewinde
Form C 2-3 Gang Anschnitt

Метчици машинни
за американска тръбна
цилиндрична резба
по ANSI B1.20.1
Шлифована резба
Форма C 2-3 навивки конус



NPS JIS

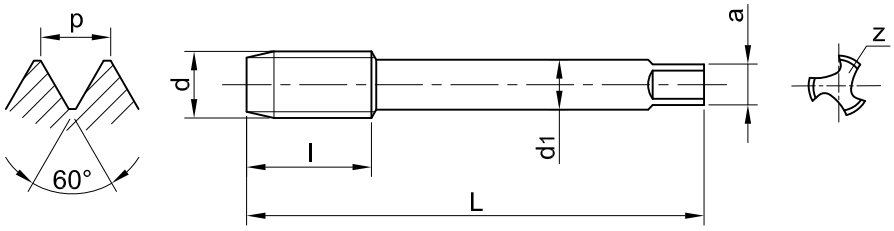
d	p / inch	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 4493*..
NPS 1/16	27	54	17	8.0	6	4	6.35	4493NPS1/16x27
NPS 1/8	27	55	19	8.0	6	4	8.75	4493NPS1/8x27
NPS 1/4	18	62	28	11.0	9	4	11.1	4493NPS1/4x18
NPS 3/8	18	65	28	14.0	11	4	14.7	4493NPS3/8x18
NPS 1/2	14	80	35	18.0	14	4	18.3	4493NPS1/2x14
NPS 3/4	14	85	35	23.0	17	4	23.4	4493NPS3/4x14
NPS 1″	11.5	95	45	26.0	21	5	29.4	4493NPS1″x11.5
NPS 1″1/4	11.5	105	45	32.0	26	5	38.1	4493NPS1″1/4x11.5
NPS 1″1/2	11.5	110	45	38.0	29	6	44.5	4493NPS1″1/2x11.5
NPS 2″	11.5	120	50	46.0	35	6	56.4	4493NPS2″x11.5

Ordering example: Machine taps 4493NPS1/16x27 HSSE
Bestellbeispiel: Maschinengewindebohrer 4493NPS1/16x27 HSSE
Начин на заявяване: Метчици машинни 4493NPS1/16x27 HSSE

Machine Taps
with helical flutes R39°
for American Parallel Pipe thread
according to ANSI B1.20.1
Ground thread
Form C 2-3 threads chamfered

Maschinengewindebohrer
drallgenutet R39°
für amerikanisches paralleles
Rohrgewinde
nach ANSI B1.20.1
Geschliffenes Gewinde
Form C 2-3 Gang Anschnitt

Метчици машинни
с винтови канали R39°
за американска тръбна
цилиндрична резба
по ANSI B1.20.1
Шлифована резба
Форма C 2-3 навивки конус





NPS JIS R39°

d	p / inch	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 4497*..
NPS 1/16	27	54	17	8.0	6	3	6.35	4497NPS1/16x27
NPS 1/8	27	55	19	8.0	6	3	8.75	4497NPS1/8x27
NPS 1/4	18	62	28	11.0	9	3	11.1	4497NPS1/4x18
NPS 3/8	18	65	28	14.0	11	3	14.7	4497NPS3/8x18
NPS 1/2	14	80	35	18.0	14	4	18.3	4497NPS1/2x14
NPS 3/4	14	85	35	23.0	17	4	23.4	4497NPS3/4x14
NPS 1″	11.5	95	45	26.0	21	4	29.4	4497NPS1″x11.5
NPS 1″1/4	11.5	105	45	32.0	26	4	38.1	4497NPS1″1/4x11.5
NPS 1″1/2	11.5	110	45	38.0	29	4	44.5	4497NPS1″1/2x11.5
NPS 2″	11.5	120	50	46.0	35	4	56.4	4497NPS2″x11.5

Ordering example: Machine taps 4497NPS1/16x27 HSSE
Bestellbeispiel: Maschinengewindebohrer 4497NPS1/16x27 HSSE
Начин на заявяване: Метчици машинни 4497NPS1/16x27 HSSE

Short Machine Taps

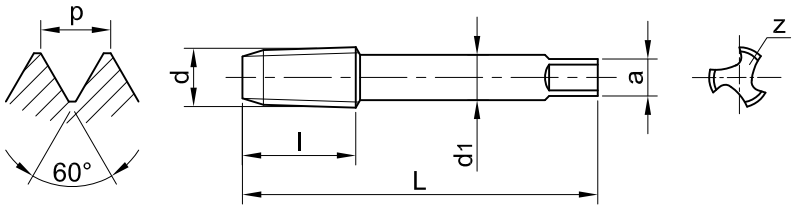
for American Tapered Pipe thread according to
ANSI / ASME B1.20.1
Taper 1:16
Ground thread
Form C 2-3 threads chamfered

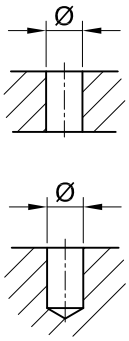
Einschnittgewindebohrer

für amerikanisches kegeliges Rohrgewinde nach
ANSI / ASME B1.20.1
Kegel 1:16
Geschliffenes Gewinde
Form C 2-3 Gang Anschnitt

Метчици машинни къси

за американска тръбна конусна резба по ANSI / ASME B1.20.1
Конус 1:16
Шлифована резба
Форма C 2-3 навивки конус







NPT

d	p / inch	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 2353*..
NPT 1/16	27	65	19	7	5.5	3	6.25	2353NPT1/16x27
NPT 1/8	27	65	19	7	5.5	3	8.4	2353NPT1/8x27
NPT 1/4	18	70	25	11	9.0	4	11.1	2353NPT1/4x18
NPT 3/8	18	75	26	12	9.0	4	14.4	2353NPT3/8x18
NPT 1/2	14	80	31	16	12.0	4	17.8	2353NPT1/2x14
NPT 3/4	14	100	33	20	16.0	4	23	2353NPT3/4x14
NPT 1″	11.5	110	38	25	20.0	4	29	2353NPT1″x11.5
NPT 1″1/4	11.5	125	41	32	24.0	6	38	2353NPT1″1/4x11.5
NPT 1″1/2	11.5	140	42	36	29.0	6	44	2353NPT1″1/2x11.5
NPT 2″	11.5	160	44	36	29.0	6	56	2353NPT2″x11.5

Machine Taps

for American Tapered Pipe thread according to
ANSI / ASME B1.20.1
Taper 1:16
Ground thread
Form C 2-3 threads chamfered

Maschinengewindebohrer

für amerikanisches kegeliges Rohrgewinde nach
ANSI / ASME B1.20.1
Kegel 1:16
Geschliffenes Gewinde
Form C 2-3 Gang Anschnitt

Метчици машинни

за американска тръбна конусна резба по ANSI / ASME B1.20.1
Конус 1:16
Шлифована резба
Форма C 2-3 навивки конус

NPT ≈ DIN 374

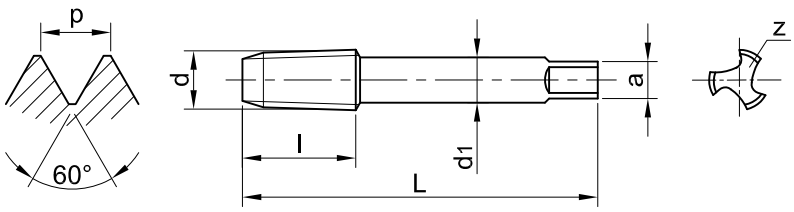
d	p / inch	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 2553*..
NPT 1/16	27	90	20	6	4.9	3	6.25	2553NPT1/16x27
NPT 1/8	27	90	20	7	5.5	3	8.4	2553NPT1/8x27
NPT 1/4	18	100	22	11	9.0	4	11.1	2553NPT1/4x18
NPT 3/8	18	100	22	12	9.0	4	14.4	2553NPT3/8x18
NPT 1/2	14	125	28	16	12.0	4	17.8	2553NPT1/2x14
NPT 3/4	14	140	28	20	16.0	4	23	2553NPT3/4x14
NPT 1″	11.5	160	38	25	20.0	4	29	2553NPT1″x11.5

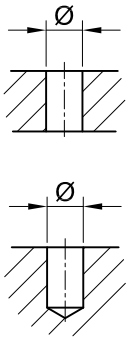
Ordering example: Short machine taps 2353NPT1/16x27 HSSE
Bestellbeispiel: Einschnittgewindebohrer 2353NPT1/16x27 HSSE
Начин на заявяване: Метчици машинни къси 2353NPT1/16x27 HSSE

Taps
for American Tapered Pipe thread according to
ANSI / ASME B1.20.1
Taper 1:16
Ground thread
Form A 7-8 threads chamfered
Form D 4-5 threads chamfered
Form C 1.5-2 threads chamfered

Gewindebohrer
für amerikanisches kegeliges Rohrgewinde nach
ANSI / ASME B1.20.1
Kegel 1:16
Geschliffenes Gewinde
Form A 6-8 Gang Anschnitt
Form D 4-5 Gang Anschnitt
Form C 1.5-2 Gang Anschnitt

Метчици
за американска тръбна конусна резба по
ANSI / ASME B1.20.1
Конус 1:16
Шлифована резба
Форма A 6-8 навивки конус
Форма D 4-5 навивки конус
Форма C 1.5-2 навивки конус







NPT ISO 2284

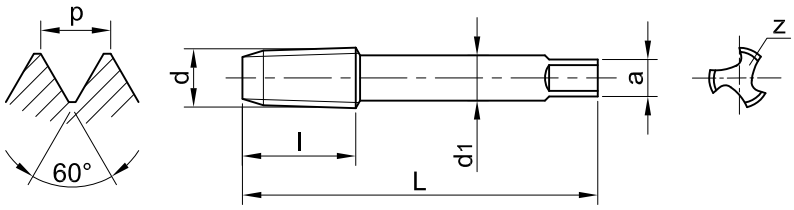
d	p / inch	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. A 3351*.. Art. No. D 3354*.. Art. No. C 3353*..
NPT 1/16	27	52	14	5.6	4.5	4	6.25	..*NPT1/16x27
NPT 1/8	27	59	15	8	6.3	4	8.4	..*NPT1/8x27
NPT 1/4	18	67	19	10	8.0	4	11.1	..*NPT1/4x18
NPT 3/8	18	75	21	12.5	10.0	4	14.4	..*NPT3/8x18
NPT 1/2	14	87	26	16	12.5	4	17.8	..*NPT1/2x14
NPT 3/4	14	96	28	20	16.0	4	23.0	..*NPT3/4x14
NPT 1″	11.5	109	33	25	20.0	6	29.0	..*NPT1″x11.5
NPT 1″1/4	11.5	119	36	31.5	25.0	6	38.0	..*NPT1″1/4x11.5
NPT 1″1/2	11.5	125	37	35.5	28.0	6	44.0	..*NPT1″1/2x11.5
NPT 2″	11.5	140	41	40	31.5	6	56.0	..*NPT2″x11.5
NPT 2″1/2	8	153	45	45	35.5	8	67.0	..*NPT2″1/2x8
NPT 3″	8	164	48	50	40.0	10	83.0	..*NPT3″x8

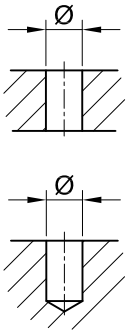
Ordering example: Taps 3351NPT1/16x27 HSS
Bestellbeispiel: Gewindebohrer 3351NPT1/16x27 HSS
Начин на заявяване: Метчици 3351NPT1/16x27 HSS

Machine Taps
for American Tapered Pipe thread according to
ANSI / ASME B1.20.1
Taper 1:16
Ground thread
Form C 2-3 threads chamfered

Maschinengewindebohrer
für amerikanisches kegeliges Rohrgewinde nach
ANSI / ASME B1.20.1
Kegel 1:16
Geschliffenes Gewinde
Form C 2-3 Gang Anschnitt

Метчици машинни
за американска тръбна конусна резба по
ANSI / ASME B1.20.1
Конус 1:16
Шлифована резба
Форма C 2-3 навивки конус







NPT JIS

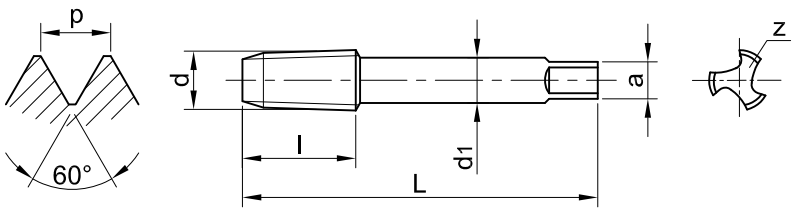
d	p / inch	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 4453*..
NPT 1/16	27	54	17	8.0	6	4	6.25	4453NPT1/16x27
NPT 1/8	27	55	19	8.0	6	4	8.4	4453NPT1/8x27
NPT 1/4	18	62	28	11.0	9	4	11.1	4453NPT1/4x18
NPT 3/8	18	65	28	14.0	11	4	14.4	4453NPT3/8x18
NPT 1/2	14	80	35	18.0	14	4	17.8	4453NPT1/2x14
NPT 3/4	14	85	35	23.0	17	4	23.0	4453NPT3/4x14
NPT 1″	11.5	95	45	26.0	21	5	29.0	4453NPT1″x11.5
NPT 1″1/4	11.5	105	45	32.0	26	5	38.0	4453NPT1″1/4x11.5
NPT 1″1/2	11.5	110	45	38.0	29	6	44.0	4453NPT1″1/2x11.5
NPT 2″	11.5	120	50	46.0	35	6	56.0	4453NPT2″x11.5

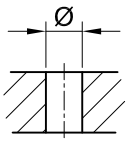
Ordering example: Machine taps 4453NPT1/16x27 HSSE
Bestellbeispiel: Maschinengewindebohrer 4453NPT1/16x27 HSSE
Начин на заявяване: Метчици машинни 4453NPT1/16x27 HSSE

Machine Taps
with spiral point
for American Tapered Pipe thread
according to
ANSI / ASME B1.20.1
Taper 1:16
Ground thread
Form B 4-5 threads chamfered

Maschinengewindebohrer
mit Schälanschnitt
für amerikanisches kegeliges
Rohrgewinde nach
ANSI / ASME B1.20.1
Kegel 1:16
Geschliffenes Gewinde
Form B 4-5 Gang Anschnitt

Метчици машинни
с подточени канали
за американска тръбна
конусна резба по
ANSI / ASME B1.20.1
Конус 1:16
Шлифована резба
Форма B 4-5 навивки конус







NPT JIS B

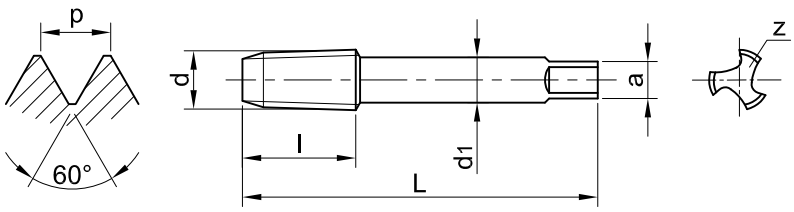
d	p / inch	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 4452*..
NPT 1/16	27	54	17	8.0	6	3	6.25	4452NPT1/16x27
NPT 1/8	27	55	19	8.0	6	3	8.4	4452NPT1/8x27
NPT 1/4	18	62	28	11.0	9	3	11.1	4452NPT1/4x18
NPT 3/8	18	65	28	14.0	11	3	14.4	4452NPT3/8x18
NPT 1/2	14	80	35	18.0	14	4	17.8	4452NPT1/2x14
NPT 3/4	14	85	35	23.0	17	4	23.0	4452NPT3/4x14
NPT 1″	11.5	95	45	26.0	21	4	29.0	4452NPT1″x11.5
NPT 1″1/4	11.5	105	45	32.0	26	6	38.0	4452NPT1″1/4x11.5
NPT 1″1/2	11.5	110	45	38.0	29	6	44.0	4452NPT1″1/2x11.5
NPT 2″	11.5	120	50	46.0	35	8	56.0	4452NPT2″x11.5

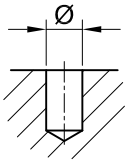
Ordering example: Machine taps 4452NPT1/16x27 HSSE
Bestellbeispiel: Maschinengewindebohrer 4452NPT1/16x27 HSSE
Начин на заявяване: Метчици машинни 4452NPT1/16x27 HSSE

Machine Taps
with helical flutes R39°
for American Tapered Pipe thread according to
ANSI / ASME B1.20.1
Taper 1:16
Ground thread
Form C 2-3 threads chamfered

Maschinengewindebohrer
drallgenutet R39°
für amerikanisches kegeliges Rohrgewinde nach
ANSI / ASME B1.20.1
Kegel 1:16
Geschliffenes Gewinde
Form C 2-3 Gang Anschnitt

Метчици машинни
с винтови канали R39°
за американска тръбна конусна резба по
ANSI / ASME B1.20.1
Конус 1:16
Шлифована резба
Форма C 2-3 навивки конус







NPT JIS R39°

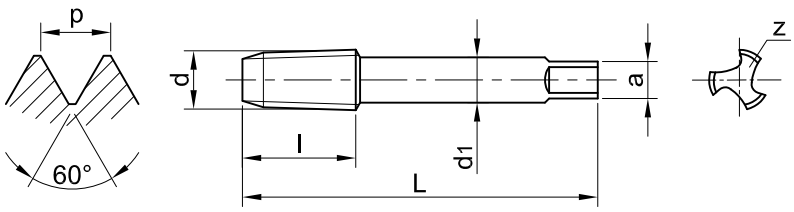
d	p / inch	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 4457*..
NPT 1/16	27	54	17	8.0	6	3	6.25	4457NPT1/16x27
NPT 1/8	27	55	19	8.0	6	3	8.4	4457NPT1/8x27
NPT 1/4	18	62	28	11.0	9	3	11.1	4457NPT1/4x18
NPT 3/8	18	65	28	14.0	11	3	14.4	4457NPT3/8x18
NPT 1/2	14	80	35	18.0	14	4	17.8	4457NPT1/2x14
NPT 3/4	14	85	35	23.0	17	4	23.0	4457NPT3/4x14
NPT 1″	11.5	95	45	26.0	21	4	29.0	4457NPT1″x11.5
NPT 1″1/4	11.5	105	45	32.0	26	4	38.0	4457NPT1″1/4x11.5
NPT 1″1/2	11.5	110	45	38.0	29	4	44.0	4457NPT1″1/2x11.5
NPT 2″	11.5	120	50	46.0	35	4	56.0	4457NPT2″x11.5
NPT 2″1/2	8	145	65	55.0	41	6	67.0	4457NPT2″x11.5

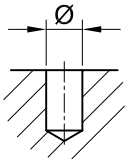
Ordering example: Machine taps 4457NPT1/16x27 HSSE
Bestellbeispiel: Maschinengewindebohrer 4457NPT1/16x27 HSSE
Начин на заявяване: Метчици машинни 4457NPT1/16x27 HSSE

Machine Taps
with helical flutes R39°
for Dryseal American Tapered Pipe thread according to
ANSI / ASME B1.20.3
Taper 1:16
Ground thread
Form C 2-3 threads chamfered

Maschinengewindebohrer
drallgenutet R39°
für amerikanisches kegeliges Rohrgewinde, selbstdichtend nach
ANSI / ASME B1.20.3
Kegel 1:16
Geschliffenes Gewinde
Form C 2-3 Gang Anschnitt

Метчици машинни
с винтови канали R39°
за американска тръбна плътна конусна резба по
ANSI / ASME B1.20.3
Конус 1:16
Шлифована резба
Форма C 2-3 навивки конус







NPTF JIS R39°

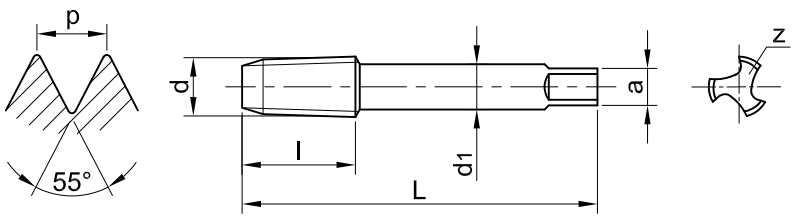
d	p / inch	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 44571*..
NPTF 1/8	27	55	19	8.0	6	3	8.6	44571NPTF1/8x27
NPTF 1/4	18	62	28	11.0	9	3	11.1	44571NPTF1/4x18
NPTF 3/8	18	65	28	14.0	11	3	14.7	44571NPTF3/8x18
NPTF 1/2	14	80	35	18.0	14	4	17.9	44571NPTF1/2x14
NPTF 3/4	14	85	35	23.0	17	4	23.4	44571NPTF3/4x14
NPTF 1″	11.5	95	45	26.0	21	4	29.4	44571NPTF1″x11.5

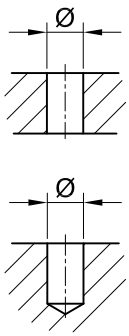
Ordering example: Machine taps 44571NPTF1/8x27 HSSE
Bestellbeispiel: Maschinengewindebohrer 44571NPTF1/8x27 HSSE
Начин на заявяване: Метчици машинни 44571NPTF1/8x27 HSSE

Machine Taps
for Tapered Pipe thread
according to JIS B 0203
Taper 1:16
Ground thread
Form C 2-3 threads chamfered

Maschinengewindebohrer
für kegeliges Rohrgewinde
nach JIS B 0203
Kegel 1:16
Geschliffenes Gewinde
Form C 2-3 Gang Anschnitt

Метчици машинни
за тръбна конусна резба
по JIS B 0203
Конус 1:16
Шлифована резба
Форма C 2-3 навивки конус







PT JIS B 4446

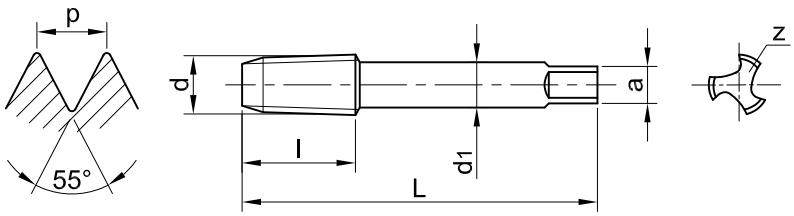
d	p / inch	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 4443*..
PT 1/16	28	55	17.5	8.0	6	4	6.5	4443PT1/16x28
PT 1/8	28	55	19	8.0	6	4	8.6	4443PT1/8x28
PT 1/4	19	62	28	11.0	9	4	11.5	4443PT1/4x19
PT 3/8	19	65	28	14.0	11	4	15.0	4443PT3/8x19
PT 1/2	14	80	35	18.0	14	4	18.5	4443PT1/2x14
PT 3/4	14	85	35	23.0	17	4	24.0	4443PT3/4x14
PT 1″	11	95	45	26.0	21	5	30.25	4443PT1″x11
PT 1″1/4	11	105	45	32.0	26	5	39.0	4443PT1″1/4x11
PT 1″1/2	11	110	45	38.0	29	6	45.0	4443PT1″1/2x11
PT 2″	11	120	50	46.0	35	6	56.5	4443PT2″x11

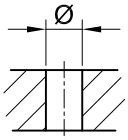
Ordering example: Machine taps 4443PT1/16x28 HSSE
Bestellbeispiel: Maschinengewindebohrer 4443PT1/16x28 HSSE
Начин на заявяване: Метчици машинни 4443PT1/16x28 HSSE

Machine Taps
with spiral point
for Tapered Pipe thread
according to JIS B 0203
Taper 1:16
Ground thread
Form B 4-5 threads chamfered

Maschinengewindebohrer
mit Schälanschnitt
für kegeliges Rohrgewinde
nach JIS B 0203
Kegel 1:16
Geschliffenes Gewinde
Form B 4-5 Gang Anschnitt

Метчици машинни
с подточени канали
за тръбна конусна резба
по JIS B 0203
Конус 1:16
Шлифована резба
Форма B 4-5 навивки конус







PT JIS B 4446 B

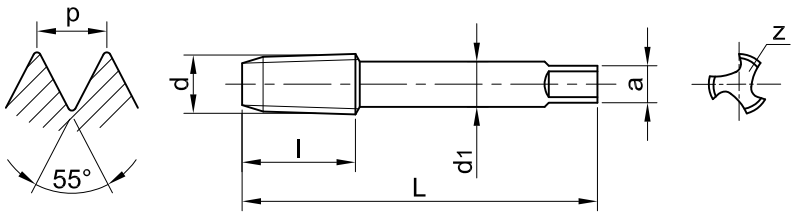
d	p / inch	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 4442*..
PT 1/16	28	55	17.5	8.0	6	3	6.5	4442PT1/16x28
PT 1/8	28	55	19	8.0	6	3	8.6	4442PT1/8x28
PT 1/4	19	62	28	11.0	9	3	11.5	4442PT1/4x19
PT 3/8	19	65	28	14.0	11	3	15.0	4442PT3/8x19
PT 1/2	14	80	35	18.0	14	4	18.5	4442PT1/2x14
PT 3/4	14	85	35	23.0	17	4	24.0	4442PT3/4x14
PT 1″	11	95	45	26.0	21	4	30.25	4442PT1″x11
PT 1″1/4	11	105	45	32.0	26	6	39.0	4442PT1″1/4x11
PT 1″1/2	11	110	45	38.0	29	6	45.0	4442PT1″1/2x11
PT 2″	11	120	50	46.0	35	8	56.5	4442PT2″x11

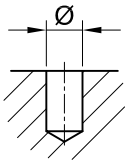
Ordering example: Machine taps 4442PT1/16x28 HSSE
Bestellbeispiel: Maschinengewindebohrer 4442PT1/16x28 HSSE
Начин на заявяване: Метчици машинни 4442PT1/16x28 HSSE

Machine Taps
with helical flutes R39°
for Tapered Pipe thread
according to JIS B 0203
Taper 1:16
Ground thread
Form C 2-3 threads chamfered

Maschinengewindebohrer
drallgenutet R39°
für kegeliges Rohrgewinde
nach JIS B 0203
Kegel 1:16
Geschliffenes Gewinde
Form C 2-3 Gang Anschnitt

Метчици машинни
с винтови канали R39°
за тръбна конусна резба
по JIS B 0203
Конус 1:16
Шлифована резба
Форма C 2-3 навивки конус







PT JIS B 4446 R39°

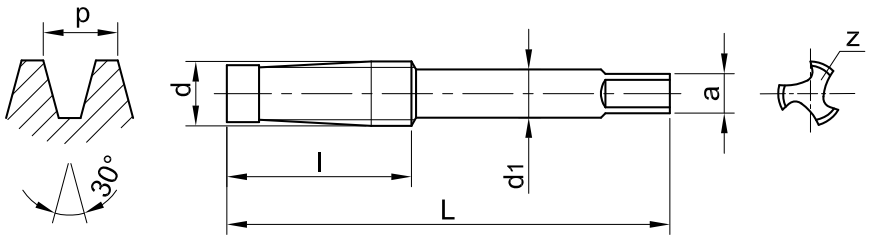
d	p / inch	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 4447*..
PT 1/16	28	55	17.5	8.0	6	3	6.5	4447PT1/16x28
PT 1/8	28	55	19	8.0	6	3	8.6	4447PT1/8x28
PT 1/4	19	62	28	11.0	9	3	11.5	4447PT1/4x19
PT 3/8	19	65	28	14.0	11	3	15.0	4447PT3/8x19
PT 1/2	14	80	35	18.0	14	4	18.5	4447PT1/2x14
PT 3/4	14	85	35	23.0	17	4	24.0	4447PT3/4x14
PT 1″	11	95	45	26.0	21	4	30.25	4447PT1″x11
PT 1″1/4	11	105	45	32.0	26	4	39.0	4447PT1″1/4x11
PT 1″1/2	11	110	45	38.0	29	4	45.0	4447PT1″1/2x11
PT 2″	11	120	50	46.0	35	4	56.5	4447PT2″x11

Ordering example: Machine taps 4447PT1/16x28 HSSE
Bestellbeispiel: Maschinengewindebohrer 4447PT1/16x28 HSSE
Начин на заявяване: Метчици машинни 4447PT1/16x28 HSSE

Hand Taps
Set of 3 pieces for
ISO metric Trapezoidal thread
according to DIN 103
Ground thread

Handgewindebohrer
Dreiteiliger Satz für
metrisches ISO-Trapezgewinde
nach DIN 103
Geschliffenes Gewinde

Метчици ръчни
Комплект от 3 броя за метрична
трапецовидна ISO резба
по DIN 103
Шлифована резба





Tr

d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 118*..
Tr 10	2	90	34	7	5.5	4	8.2	118Tr10x2
Tr 10	3	100	40	7	5.5	4	7.25	118Tr10x3
Tr 12	3	110	40	8	6.2	4	9.25	118Tr12x3
Tr 14	3	130	45	10	8.0	4	11.25	118Tr14x3
Tr 14	4	130	55	10	8.0	4	10.3	118Tr14x4
Tr 16	4	140	55	11	9.0	4	12.3	118Tr16x4
Tr 18	4	150	55	12	9.0	4	14.3	118Tr18x4
Tr 20	4	160	55	14	11.0	4	16.3	118Tr20x4
Tr 22	5	175	65	16	12.0	4	17.3	118Tr22x5
Tr 24	5	190	65	18	14.5	4	19.3	118Tr24x5
Tr 26	5	210	70	20	16.0	4	21.3	118Tr26x5
Tr 28	5	220	70	22	18.0	4	23.3	118Tr28x5
Tr 30	6	240	80	22	18.0	4	24.3	118Tr30x6
Tr 32	6	255	80	25	20.0	4	26.3	118Tr32x6

Ordering example: Hand taps 118Tr10x2 HSS - for 1 set /I, II, III/
Bestellbeispiel: Handgewindebohrer 118Tr10x2 HSS - für 1 Satz /I, II, III/
Начин на заявяване: Метчици ръчни 118Tr10x2 HSS - за 1 комплект /I, II, III/

Machine Nut Taps

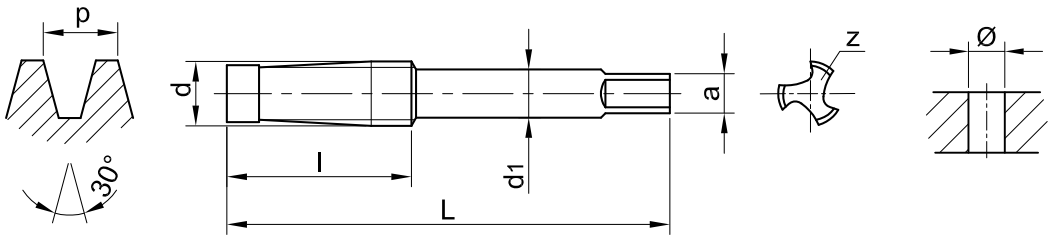
for ISO metric Trapezoidal thread according to DIN 103
Ground thread
Piloted

Maschinen-Muttergewindebohrer

für metrisches ISO-Trapezgewinde nach DIN 103
Geschliffenes Gewinde
mit Führungszapfen

Метчици машинни гайкови

за метрична трапецовидна ISO резба по DIN 103
Шлифована резба
С водач





Tr

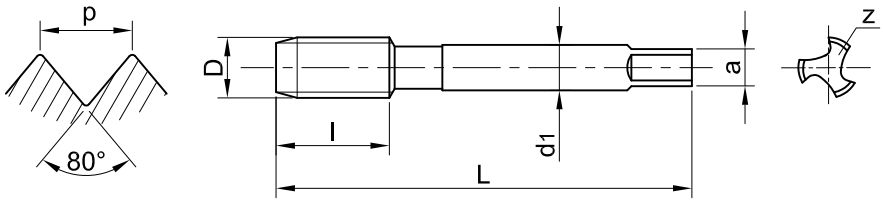
d	p mm	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 2189*..
Tr 10	2	110	63	7	5.5	4	8.2	2189Tr10x2
Tr 10	3	125	75	7	5.5	4	7.25	2189Tr10x3
Tr 12	3	165	111	8	6.2	4	9.25	2189Tr12x3
Tr 14	3	140	85	10	8.0	4	11.25	2189Tr14x3
Tr 14	4	170	112	10	8.0	4	10.3	2189Tr14x4
Tr 16	4	180	116	11	9.0	4	12.3	2189Tr16x4
Tr 18	4	190	120	12	9.0	4	14.3	2189Tr18x4
Tr 20	4	200	124	14	11.0	4	16.3	2189Tr20x4
Tr 22	5	235	155	16	12.0	4	17.3	2189Tr22x5
Tr 24	5	245	160	18	14.5	4	19.3	2189Tr24x5
Tr 26	5	255	165	20	16.0	4	21.3	2189Tr26x5
Tr 28	5	265	170	22	18.0	4	23.3	2189Tr28x5
Tr 30	6	290	185	22	18.0	4	24.3	2189Tr30x6
Tr 32	6	300	191	25	20.0	4	26.3	2189Tr32x6
Tr 36	6	310	200	28	22.0	4	30.3	2189Tr36x6

Ordering example: Machine nut taps 2189Tr10x2 HSSE
Bestellbeispiel: Maschinen-Muttergewindebohrer 2189Tr10x2 HSSE
Начин на заявяване: Метчици машинни гайкови 2189Tr10x2 HSSE

Hand Taps
Set of 2 pieces
for Steel Conduit thread
according to DIN 40430
Ground thread

Handgewindebohrer
Zweiteiliger Satz
für Stahlpanzerrohrgewinde
nach DIN 40430
Geschliffenes Gewinde

Метчици ръчни
Комплект от 2 броя за
електроарматурна резба
по DIN 40430
Шлифована резба





PG DIN 40432

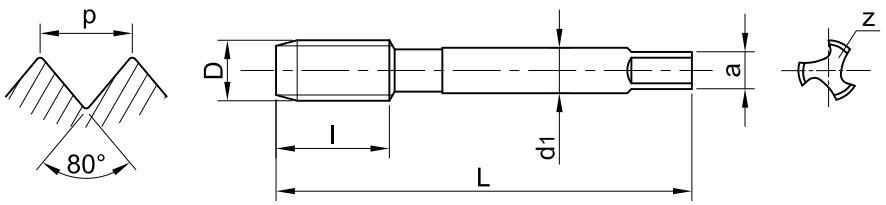
d	p / inch	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 117*..
PG 7	20	70	22	9	7	4	11.4	117PG7x20
PG 9	18	70	22	12	9	4	14.0	117PG9x18
PG 11	18	80	22	14	11	4	17.25	117PG11x18
PG 13.5	18	80	22	16	12	4	19.0	117PG13.5x18
PG 16	18	80	22	18	14.5	4	21.25	117PG16x18
PG 21	16	90	22	22	18	4	27.0	117PG21x16
PG 29	16	100	25	28	22	6	35.5	117PG29x16
PG 36	16	140	40	36	29	6	45.5	117PG36x16
PG 42	16	140	40	40	32	6	52.5	117PG42x16
PG 48	16	160	40	45	35	6	58.0	117PG48x16

Ordering example: Hand taps 117PG7x20 HSS - for 1 set /I, II/
Bestellbeispiel: Handgewindebohrer 117PG7x20 HSS - für 1 Satz /I, II/
Начин на заявяване: Метчици ръчни 117PG7x20 HSS - за 1 комплект /I, II/

Machine Taps
for Steel Conduit thread
according to DIN 40430
Ground thread
Form D 4-5 threads chamfered

Maschinengewindebohrer
für Stahlpanzerrohrgewinde
nach DIN 40430
Geschliffenes Gewinde
Form D 4-5 Gang Anschnitt

Метчици машинни
за електроарматурна резба
по DIN 40430
Шлифована резба
Форма D 4-5 навивки конус





PG DIN 40432 D

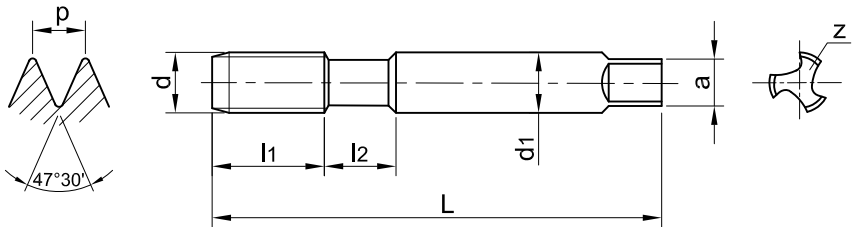
d	p / inch	L mm	l mm	d1 mm	a mm	z	Ø	Art. No. 2674*..
PG 7	20	70	22	9	7	4	11.4	2674PG7x20
PG 9	18	70	22	12	9	4	14.0	2674PG9x18
PG 11	18	80	22	14	11	4	17.25	2674PG11x18
PG 13.5	18	80	22	16	12	4	19.0	2674PG13.5x18
PG 16	18	80	22	18	14.5	4	21.25	2674PG16x18
PG 21	16	90	22	22	18	4	27.0	2674PG21x16
PG 29	16	100	25	28	22	6	35.5	2674PG29x16
PG 36	16	140	40	36	29	6	45.5	2674PG36x16
PG 42	16	140	40	40	32	6	52.5	2674PG42x16
PG 48	16	160	40	45	35	6	58.0	2674PG48x16

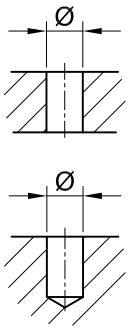
Ordering example: Short mashine taps 2674PG7x20 HSS
Bestellbeispiel: Einschnittgewindebohrer 2674PG7x20 HSS
Начин на заявяване: Метчици машинни къси 2674PG7x20 HSS

Hand Taps
for British Association screw thread according to BS 93
Ground thread
Form A 6-8 threads chamfered
Form D 4-5 threads chamfered
Form C 2-3 threads chamfered

Handgewindebohrer
für British Association Gewinde nach BS 93
Geschliffenes Gewinde
Form A 6-8 Gang Anschnitt
Form D 4-5 Gang Anschnitt
Form C 2-3 Gang Anschnitt

Метчици ръчни
за резба на Британската асоциация по BS 93
Шлифована резба
Форма A 6-8 навивки конус
Форма D 4-5 навивки конус
Форма C 2-3 навивки конус







BA ISO 529

d	p mm	L mm	l1 mm	l2 mm	d1 mm	a mm	z	Ø	Art. No. A 3161*.. Art. No. D 3164*.. Art. No. C 3163*..
BA 0	1.0	66	19	11	6.3	5.0	3	5.0	..*BA0
BA 1	0.9	62	17	9	5.6	4.5	3	4.4	..*BA1
BA 2	0.81	58	16	9	5.0	4.0	3	3.9	..*BA2
BA 3	0.73	53	13	8	4.5	3.55	3	3.4	..*BA3
BA 4	0.66	50	13	7	3.55	2.8	3	2.95	..*BA4
BA 5	0.59	48	11	7	3.15	2.5	3	2.6	..*BA5
BA 6	0.53	44.5	9.5	6	2.8	2.24	3	2.3	..*BA6
BA 7	0.48	44.5	9.5		2.8	2.24	3	2.0	..*BA7
BA 8	0.43	44.5	9.5		2.8	2.24	3	1.8	..*BA8

Ordering example: Hand taps 3161BA0 HSS
Bestellbeispiel: Handgewindebohrer 3161BA0 HSS
Начин на заявяване: Метчици ръчни 3161BA0 HSS

TAPS FOR WIRE-THREAD-INSERTS

This technology allows thread producing in materials with low shearing strength, which, after screwing of a special thread - insert into the thread, guarantees strength of extension over 1400 N/mm^2.
The technology finds a wide application in productions, using soft materials, for example Aluminium and Alu-Magnesium-Alloys. The wire-thread-inserts are irreplaceable instruments for restoring of wearing or damaged threads.
This catalogue includes only the taps, needed for realizing this technology.
The correctly threading and the assembling of the wire-thread-inserts guarantee thread cutting with grade of fit IS02 (6H), even IS01 (4H).

GEWINDEBOHRER FÜR GEWINDEEINSÄTZE

Diese Gewindetechnologie wird zum Gewindeschneiden in Werkstoffen mit geringer Scherfestigkeit und nachfolgender Gewindefestigung durch Verwendung eines speziellen Gewindeeinsatzes, der eine Zugfestigkeit von min. 1400 N/mm^2 gewährleistet, angewendet.
Einen breiten Einsatz findet sie dort, wo weiche Metalle, wie z.B. Aluminium und Alu-Magnesium-Legierungen bearbeitet werden müssen. Die Gewindeeinsätze sind ein unentbehrliches Hilfsmittel für die Instandsetzung beschädigter oder abgenutzter Gewinde.
In unserem Katalog werden nur die Gewindebohrer, die zur Realisierung dieser Gewindetechnologie notwendig sind, angegeben.
Bei richtiger Gewindeausführung und nachfolgendem Einbau der Gewindeeinsätze können Gewinde mit Toleranzfeld IS02 (6H) und sogar ISO1 (4H) gewährleistet werden.

МЕТЧИЦИ ЗА РЕЗБОВИ ВЛОЖКИ

Това е технология, при която се нарязва резба в материали с малка якост на срязване и последващо навиване в резбата на специална резбова вложка, осигуряваща якост на опън над 1400 N/mm^2.

Технологията намира широко приложение в производства, които използват меки материали - например алуминий и алуминиево-магнезиеви сплави. Резбовите вложки са незаменимо средство за възстановяване на повредени или износени резби.

В нашия каталог са разгледани само метчиците, необходими за реализацията на тази технология.

При правилно изпълнение на резбите и съответното монтиране на резбовите вложки се осигуряват резби с точност ISO2 (6H), а в някои случаи ISO1 (4H).

Taps for Wire Thread Inserts

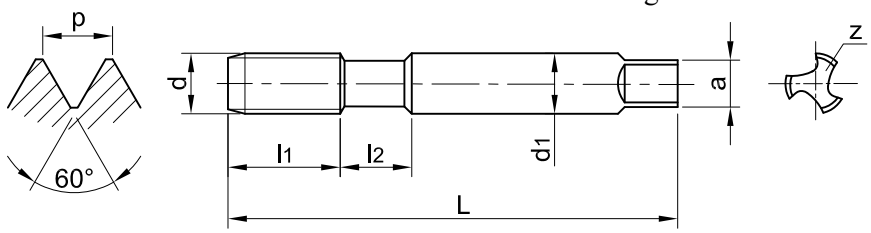
for ISO metric thread
according to DIN 13
Grade of fit: ISO 1 (4H)
Ground thread
Form D 4-5 threads chamfered

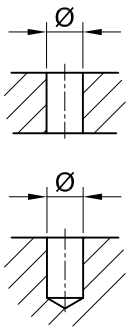
Einschnittgewindebohrer für Gewindeeinsätze

für metrisches ISO-Gewinde nach DIN 13
Toleranzfeld: ISO 1 (4H)
Geschliffenes Gewinde
Form D 4-5 Gang Anschnitt

Метчици за резбови вложки

за метрична ISO резба
по DIN 13
Клас на точност: ISO 1 (4H)
Шлифована резба
Форма D 4-5 навивки конус







M ISO 529

d	p mm	L mm	l1 mm	l2 mm	d1 mm	a mm	z	Art. No. 5404HC*..
M2	0.4	44.5	9.5		2.8	2.24	3	5404HCM2x0.4
M2.2	0.45	44.5	9.5		2.8	2.24	3	5404HCM2.2x0.45
M2.5	0.45	48.0	11.0	7	3.15	2.5	3	5404HCM2.5x0.45
M3	0.5	53.0	13.0	8	4.0	3.15	3	5404HCM3x0.5
M3.5	0.6	53.0	13.0	8	4.5	3.55	3	5404HCM3.5x0.6
M4	0.7	58.0	16.0	9	5.0	4.0	3	5404HCM4x0.7
M5	0.8	66.0	19.0	11	6.3	5.0	3	5404HCM5x0.8
M6	1.0	72.0	22.0	13	8.0	6.3	3	5404HCM6x1
M7	1.0	72.0	22.0	14	9.0	7.1	3	5404HCM7x1
M8	1.25	80.0	24.0	15	10.0	8.0	3	5404HCM8x1.25
M8	1.0	80.0	24.0	15	10.0	8.0	3	5404HCM8x1
M9	1.25	85.0	25.0		8.0	6.3	3	5404HCM9x1.25
M10	1.5	89.0	29.0		9.0	7.1	3	5404HCM10x1.5
M10	1.25	85.0	25.0		8.0	6.3	3	5404HCM10x1.25
M10	1.0	85.0	25.0		8.0	6.3	3	5404HCM10x1
M11	1.5	89.0	29.0		9.0	7.1	3	5404HCM11x1.5
M12	1.75	95.0	30.0		11.2	9.0	3	5404HCM12x1.75
M12	1.5	95.0	30.0		11.2	9.0	3	5404HCM12x1.5
M12	1.25	95.0	30.0		11.2	9.0	3	5404HCM12x1.25
M12	1.0	95.0	30.0		11.2	9.0	3	5404HCM12x1
M14	2.0	102.0	32.0		12.5	10.0	3	5404HCM14x2
M14	1.5	102.0	32.0		12.5	10.0	3	5404HCM14x1.5
M14	1.25	102.0	32.0		12.5	10.0	3	5404HCM14x1.25
M14	1.0	102.0	32.0		12.5	10.0	3	5404HCM14x1
M15	2.0	112.0	37.0		14.0	11.2	3	5404HCM15x2
M15	1.5	102.0	32.0		12.5	10.0	3	5404HCM15x1.5
M16	2.0	112.0	37.0		14.0	11.2	4	5404HCM16x2
M16	1.5	104.0	29.0		14.0	11.2	4	5404HCM16x1.5
M18	2.5	118.0	38.0		16.0	12.5	4	5404HCM18x2.5
M18	2.0	104.0	29.0		14.0	11.2	4	5404HCM18x2
M18	1.5	104.0	29.0		14.0	11.2	4	5404HCM18x1.5
M20	2.5	118.0	38.0		16.0	12.5	4	5404HCM20x2.5
M20	2.0	113.0	33.0		16.0	12.5	4	5404HCM20x2
M20	1.5	113.0	33.0		16.0	12.5	4	5404HCM20x1.5
M22	2.5	130.0	45.0		18.0	14.0	4	5404HCM22x2.5
M22	2.0	120.0	35.0		18.0	14.0	4	5404HCM22x2
M22	1.5	120.0	35.0		18.0	14.0	4	5404HCM22x1.5
M24	3.0	138.0	48.0		20.0	16.0	4	5404HCM24x3
M24	2.0	127.0	37.0		20.0	16.0	4	5404HCM24x2
M24	1.5	120.0	35.0		18.0	14.0	4	5404HCM24x1.5

Ordering example: Taps for wire thread inserts 5404HCM2x0.4 HSS
Bestellbeispiel: Einschnittgewindebohrer für Gewindeeinsätze 5404HCM2x0.4 HSS
Начин на заявяване: Метчици за резбови вложки 5404HCM2x0.4 HSS

Taps for Wire Thread Inserts

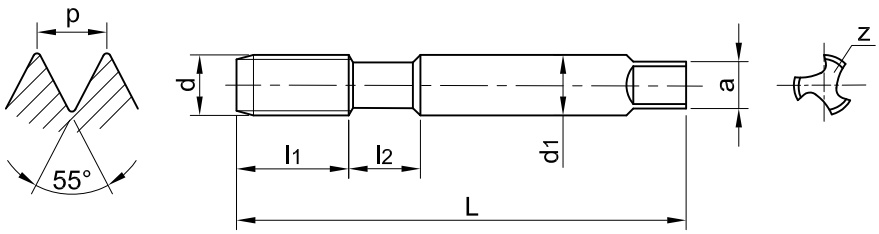
for Whitworth thread
according to BS 84
Grade of fit: medium class
Ground thread
Form D 4-5 threads chamfered

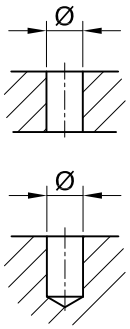
Einschnittgewindebohrer für Gewindeeinsätze

für Whitworth-Gewinde
nach BS 84
Toleranzfeld: medium class
Geschliffenes Gewinde
Form D 4-5 Gang Anschnitt

Метчици за резбови вложки

за Витвортова резба
по BS 84
Клас на точност: medium
Шлифована резба
Форма D 4-5 навивки конус







BSW ISO 529

d	p / inch	L mm	l1 mm	l2 mm	d1 mm	a mm	z	Art. No. 5424HC*..
BSW 1/8	40	53	13	8	4.0	3.15	3	..*BSW1/8x40
BSW 3/16	24	66	19	11	6.3	5.0	3	..*BSW3/16x24
BSW 1/4	20	72	22	13	8.0	6.3	3	..*BSW1/4x20
BSW 5/16	18	80	24	15	10.0	8.0	3	..*BSW5/16x18
BSW 3/8	16	85	25		8.0	6.3	3	..*BSW3/8x16
BSW 7/16	14	95	30		11.2	9.0	3	..*BSW7/16x14
BSW 1/2	12	102	32		12.5	10.0	3	..*BSW1/2x12
BSW 9/16	12	102	32		12.5	10.0	3	..*BSW9/16x12
BSW 5/8	11	112	37		14.0	11.2	4	..*BSW5/8x11
BSW 11/16	11	112	37		14.0	11.2	4	..*BSW11/16x11
BSW 3/4	10	118	38		16.0	12.5	4	..*BSW3/4x10
BSW 7/8	9	130	45		18.0	14.0	4	..*BSW7/8x9
BSW 1″	8	138	48		20.0	16.0	4	..*BSW1″x8

Ordering example: Taps for wire thread inserts 5424HCBSW3/32x48 HSS
Bestellbeispiel: Einschnittgewindebohrer für Gewindeeinsätze 5424HCBSW3/32x48 HSS
Начин на заявяване: Метчици за резбови вложки 5424HCBSW3/32x48 HSS

Taps for Wire Thread Inserts

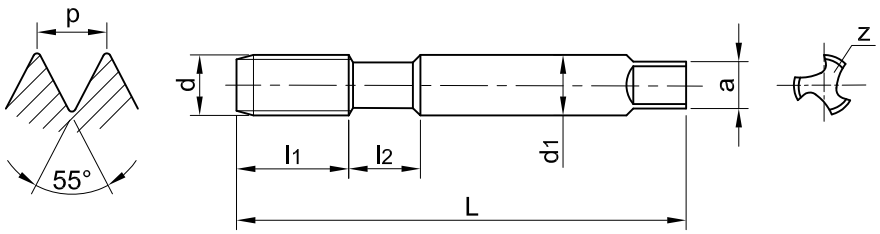
for Whitworth Fine thread
according to BS 84
Grade of fit: medium class
Ground thread
Form D 4-5 threads chamfered

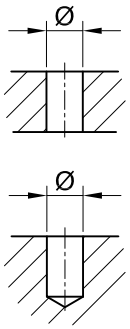
Einschnittgewindebohrer für Gewindeeinsätze

für Whitworth-Feingewinde
nach BS 84
Toleranzfeld: medium class
Geschliffenes Gewinde
Form D 4-5 Gang Anschnitt

Метчици за резбови вложки

за Витвортова ситна резба
по BS 84
Клас на точност: medium
Шлифована резба
Форма D 4-5 навивки конус







BSF ISO 529

d	p / inch	L mm	l1 mm	l2 mm	d1 mm	a mm	z	Art. No. 5524HC*..
BSF 3/16	32	66	19	11	6.3	5.0	3	..*BSF3/16x32
BSF 1/4	26	72	22	13	8.0	6.3	3	..*BSF1/4x26
BSF 5/16	22	80	24	15	10.0	8.0	3	..*BSF5/16x22
BSF 3/8	20	85	25		8.0	6.3	3	..*BSF3/8x20
BSF 7/16	18	89	29		9.0	7.1	3	..*BSF7/16x18
BSF 1/2	16	95	30		11.2	9.0	3	..*BSF1/2x16
BSF 9/16	16	102	32		12.5	10.0	3	..*BSF9/16x16
BSF 5/8	14	112	37		14.0	11.2	4	..*BSF5/8x14
BSF 11/16	14	112	37		14.0	11.2	4	..*BSF11/16x14
BSF 3/4	12	118	38		16.0	12.5	4	..*BSF3/4x12
BSF 7/8	11	130	45		18.0	14.0	4	..*BSF7/8x11
BSF 1″	10	138	48		20.0	16.0	4	..*BSF1″x10

Ordering example: Taps for wire thread inserts 5524HCBSF3/16x32 HSS
Bestellbeispiel: Einschnittgewindebohrer für Gewindeeinsätze 5524HCBSF3/16x32 HSS
Начин на заявяване: Метчици за резбови вложки 5524HCBSF3/16x32 HSS

Taps for Wire Thread Inserts

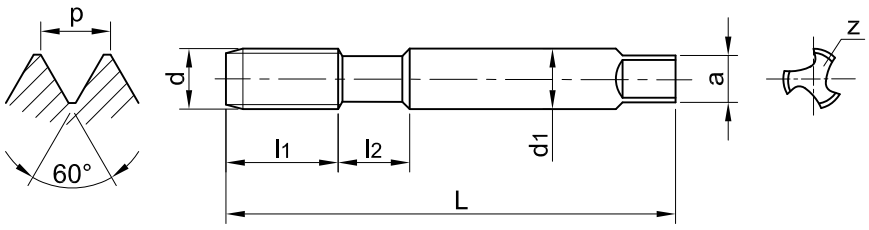
for American Unified Coarse thread according to ANSI B1.1
Grade of fit: 3B
Ground thread
Form D 4-5 threads chamfered

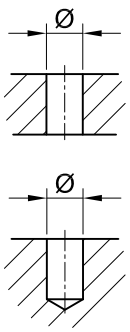
Einschnittgewindebohrer für Gewindeeinsätze

für amerikanisches unifiziertes Grobgewinde nach ANSI B1.1
Toleranzfeld: 3B
Geschliffenes Gewinde
Form D 4-5 Gang Anschnitt

Метчици за резбови вложки

за американска унифицирана резба едра стъпка по ANSI B1.1
Клас на точност: 3B
Шлифована резба
Форма D 4-5 навивки конус







UNC ISO 529

d	p / inch	L mm	l1 mm	l2 mm	d1 mm	a mm	z	Art. No. 5414HC*..
UNC Nr.2	56	48	9.5		3.15	2.5	3	..*UNCNr.2x56
UNC Nr.4	40	53	13	8	4.0	3.15	3	..*UNCNr.4x40
UNC Nr.5	40	53	13	8	4.0	3.15	3	..*UNCNr.5x40
UNC Nr.6	32	58	16	9	5.0	4.0	3	..*UNCNr.6x32
UNC Nr.8	32	62	17	9	5.6	4.5	3	..*UNCNr.8x32
UNC Nr.10	24	66	19	11	6.3	5.0	3	..*UNCNr.10x24
UNC Nr.12	24	66	19	11	7.1	5.6	3	..*UNCNr.12x24
UNC 1/4	20	72	22	13	8.0	6.3	3	..*UNC1/4x20
UNC 5/16	18	80	24	15	10.0	8.0	3	..*UNC5/16x18
UNC 3/8	16	85	25		8.0	6.3	3	..*UNC3/8x16
UNC 7/16	14	95	30		11.2	9.0	3	..*UNC7/16x14
UNC 1/2	13	102	32		12.5	10.0	3	..*UNC1/2x13
UNC 9/16	12	112	37		14.0	11.2	3	..*UNC9/16x12
UNC 5/8	11	112	37		14.0	11.2	4	..*UNC5/8x11
UNC 11/16	11	112	37		14.0	11.2	4	..*UNC11/16x11
UNC 3/4	10	118	38		16.0	12.5	4	..*UNC3/4x10
UNC 7/8	9	130	45		18.0	14.0	4	..*UNC7/8x9
UNC 1″	8	138	48		20.0	16.0	4	..*UNC1″x8
UNC 1″1/8	7	151	51		22.4	18.0	4	..*UNC1″1/8x7
UNC 1″1/4	7	162	57		25.0	20.0	4	..*UNC1″1/4x7
UNC 1″1/2	6	187	67		31.5	25.0	6	..*UNC1″1/2x6

Ordering example: Taps for wire thread inserts 5414HCUNCNr.2x56 HSS
Bestellbeispiel: Einschnittgewindebohrer für Gewindeeinsätze 5414HCUNCNr.2x56 HSS
Начин на заявяване: Метчици за резбови вложки 5414HCUNCNr.2x56 HSS

Taps for Wire Thread Inserts

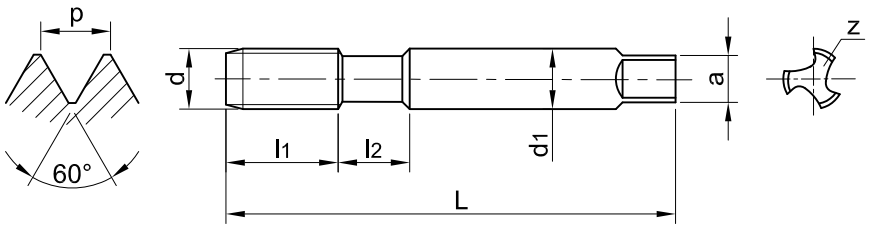
for American Unified Fine thread according to ANSI B1.1
Grade of fit: 3B
Ground thread
Form D 4-5 threads chamfered

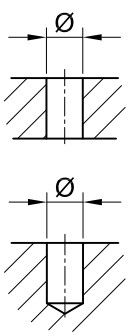
Einschnittgewindebohrer für Gewindeeinsätze

für amerikanisches unifiziertes Feingewinde nach ANSI B1.1
Toleranzfeld: 3B
Geschliffenes Gewinde
Form D 4-5 Gang Anschnitt

Метчици за резбови вложки

за американска унифицирана резба ситна стъпка по ANSI B1.1
Клас на точност: 3B
Шлифована резба
Форма D 4-5 навивки конус







UNF ISO 529

d	p / inch	L mm	l1 mm	l2 mm	d1 mm	a mm	z	Art. No. 5514HC*..
UNF Nr.4	48	53	13	8	4.0	3.15	3	..*UNFNr.4x48
UNF Nr.6	40	53	13	8	4.5	3.55	3	..*UNFNr.6x40
UNF Nr.8	36	62	17	9	5.6	4.5	3	..*UNFNr.8x36
UNF Nr.10	32	66	19	11	6.3	5.0	3	..*UNFNr.10x32
UNF 1/4	28	69	19	13	8.0	6.3	3	..*UNF1/4x28
UNF 5/16	24	76	20	15	10.0	8.0	3	..*UNF5/16x24
UNF 3/8	24	82	22		8.0	6.3	3	..*UNF3/8x24
UNF 7/16	20	84	24		9.0	7.1	3	..*UNF7/16x20
UNF 1/2	20	90	25		11.2	9.0	3	..*UNF1/2x20
UNF 9/16	18	104	29		12.5	10.0	3	..*UNF9/16x18
UNF 5/8	18	104	29		14.0	11.2	4	..*UNF5/8x18
UNF 3/4	16	104	29		14.0	11.2	4	..*UNF3/4x16
UNF 7/8	14	120	35		18.0	14.0	4	..*UNF7/8x14
UNF 1″	12	127	37		20.0	16.0	4	..*UNF1″x12

Ordering example: Taps for wire thread inserts 5514HCUNFNr.4x48 HSS
Bestellbeispiel: Einschnittgewindebohrer für Gewindeeinsätze 5514HCUNFNr.4x48 HSS
Начин на заявяване: Метчици за резбови вложки 5514HCUNFNr.4x48 HSS

Machine Taps for Wire Thread Inserts

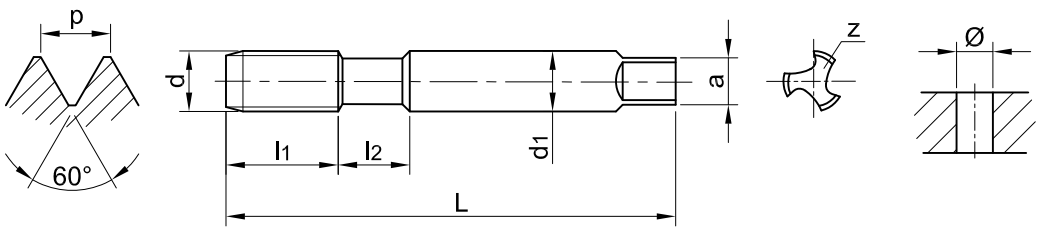
with spiral point
for ISO metric thread
according to DIN 13
Grade of fit: ISO 1 (4H)
Ground thread
Form B 4-5 threads chamfered

Maschinengewindebohrer für Gewindeeinsätze

mit Schälanschnitt
für metrisches ISO-Gewinde
nach DIN 13
Toleranzfeld: ISO 1 (4H)
Geschliffenes Gewinde
Form B 4-5 Gang Anschnitt

Метчици машинни за резбови вложки

с подточени канали
за метрична ISO резба
по DIN 13
Клас на точност: ISO 1 (4H)
Шлифована резба
Форма B 4-5 навивки конус





M ISO 529 B

d	p mm	L mm	l1 mm	l2 mm	d1 mm	a mm	z	Art. No. 5402HC*..
M2	0.4	44.5	9.5		2.8	2.24	3	5402HCM2x0.4
M3	0.5	53.0	13.0	8	4.0	3.15	3	5402HCM3x0.5
M3.5	0.6	53.0	13.0	8	4.5	3.55	3	5402HCM3.5x0.6
M4	0.7	58.0	16.0	9	5.0	4.0	3	5402HCM4x0.7
M5	0.8	66.0	19.0	11	6.3	5.0	3	5402HCM5x0.8
M6	1.0	72.0	22.0	13	8.0	6.3	3	5402HCM6x1
M7	1.0	72.0	22.0	14	9.0	7.1	3	5402HCM7x1
M8	1.25	80.0	24.0	15	10.0	8.0	3	5402HCM8x1.25
M8	1.0	80.0	24.0	15	10.0	8.0	3	5402HCM8x1
M10	1.5	89.0	29.0		9.0	7.1	3	5402HCM10x1.5
M10	1.0	85.0	25.0		8.0	6.3	3	5402HCM10x1
M12	1.75	95.0	30.0		11.2	9.0	3	5402HCM12x1.75
M12	1.5	95.0	30.0		11.2	9.0	3	5402HCM12x1.5
M12	1.25	95.0	30.0		11.2	9.0	3	5402HCM12x1.25
M14	2.0	102.0	32.0		12.5	10.0	3	5402HCM14x2
M14	1.5	102.0	32.0		12.5	10.0	3	5402HCM14x1.5
M14	1.25	102.0	32.0		12.5	10.0	3	5402HCM14x1.25
M16	2.0	112.0	37.0		14.0	11.2	3	5402HCM16x2

Ordering example: Machine taps for wire thread inserts 5402HCM2x0.4 HSSE
Bestellbeispiel: Maschinengewindebohrer für Gewindeeinsätze 5402HCM2x0.4 HSSE
Начин на заявяване: Метчици машинни за резбови вложки 5402HCM2x0.4 HSSE

Machine Taps for Wire Thread Inserts

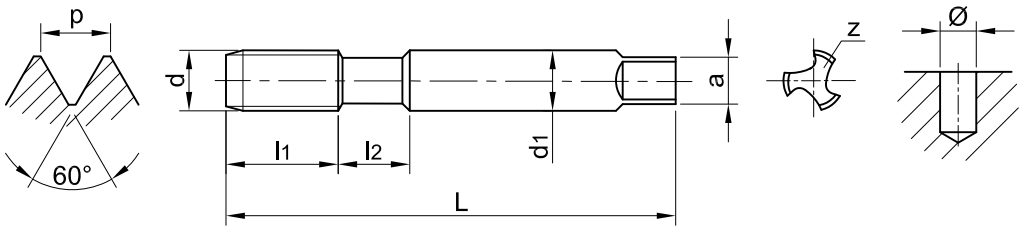
with helical flutes R35°
for ISO metric thread
according to DIN 13
Grade of fit: ISO 1 (4H)
Ground thread
Form C 2-3 threads chamfered

Maschinengewindebohrer für Gewindeeinsätze

drallgenutet R35°
für metrisches ISO-Gewinde
nach DIN 13
Toleranzfeld: ISO 1 (4H)
Geschliffenes Gewinde
Form C 2-3 Gang Anschnitt

Метчици машинни за резбови вложки

с винтови канали R35°
за метрична ISO резба
по DIN 13
Клас на точност: ISO 1 (4H)
Шлифована резба
Форма C 2-3 навивки конус





M ISO 529 R35°

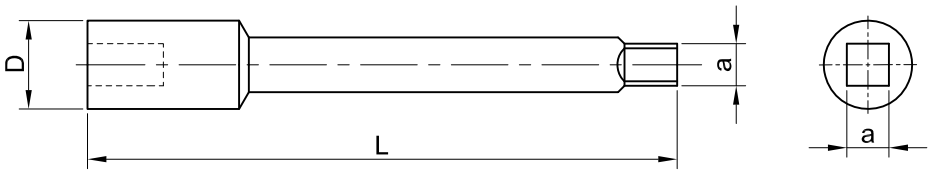
d	p mm	L mm	l1 mm	l2 mm	d1 mm	a mm	z	Art. No. 5406HC*..
M2	0.4	44.5	9.5		2.8	2.24	3	5406HCM2x0.4
M3	0.5	53.0	13.0	8	4.0	3.15	3	5406HCM3x0.5
M3.5	0.6	53.0	13.0	8	4.5	3.55	3	5406HCM3.5x0.6
M4	0.7	58.0	16.0	9	5.0	4.0	3	5406HCM4x0.7
M5	0.8	66.0	19.0	11	6.3	5.0	3	5406HCM5x0.8
M6	1.0	72.0	22.0	13	8.0	6.3	3	5406HCM6x1
M7	1.0	72.0	22.0	14	9.0	7.1	3	5406HCM7x1
M8	1.25	80.0	24.0	15	10.0	8.0	3	5406HCM8x1.25
M8	1.0	80.0	24.0	15	10.0	8.0	3	5406HCM8x1
M10	1.5	89.0	29.0		9.0	7.1	3	5406HCM10x1.5
M10	1.0	85.0	25.0		8.0	6.3	3	5406HCM10x1
M12	1.75	95.0	30.0		11.2	9.0	3	5406HCM12x1.75
M12	1.5	95.0	30.0		11.2	9.0	3	5406HCM12x1.5
M12	1.25	95.0	30.0		11.2	9.0	3	5406HCM12x1.25
M14	2.0	102.0	32.0		12.5	10.0	3	5406HCM14x2
M14	1.5	102.0	32.0		12.5	10.0	3	5406HCM14x1.5
M14	1.25	102.0	32.0		12.5	10.0	3	5406HCM14x1.25
M16	2.0	112.0	37.0		14.0	11.2	3	5406HCM16x2

Ordering example: Machine taps for wire thread inserts 5406HCM2x0.4 HSSE
Bestellbeispiel: Maschinengewindebohrer für Gewindeeinsätze 5406HCM2x0.4 HSSE
Начин на заявяване: Метчици машинни за резбови вложки 5406HCM2x0.4 HSSE

Extensions for Taps
according to DIN 377
Square according to DIN 10

Verlängerer für Gewindebohrer
nach DIN 377
Vierkant nach DIN 10

Удължители за метчици
по DIN 377
Квадрат по DIN 10





DIN 377

a mm	D mm	L mm	Tap / Gewindebohrer / Метчик (DIN 352)			Art. No. 5000*..
			M	BSW (UNC)	BSP (G)	
2.1	5	60	1 - 2.6	1/16 - 3/32		5000K2.1
2.4	6	70				5000K2.4
2.7	7	80	3	1/8		5000K2.7
3.0	7	90	3.5			5000K3.0
3.4	8	95	4	5/32		5000K3.4
3.8	9	100	4.5			5000K3.8
4.3	10	105		3/16		5000K4.3
4.9	11	110	5 - 8	7/32 - 5/16		5000K4.9
5.5	12	115	9 - 10	3/8	1/16 - 1/8	5000K5.5
6.2	14	120	11	7/16		5000K6.2
7.0	15	125	12	1/2		5000K7.0
8.0	17	125				5000K8.0
9.0	19	130	13 - 16	9/16 - 5/8	1/4 - 3/8	5000K9.0
10.0	21	140				5000K10.0
11.0	23	150	18	11/16 - 3/4		5000K11.0
12.0	25	155	20	13/16	1/2	5000K12.0
13.0	27	165				5000K13.0
14.5	29	175	22 - 24	7/8 - 15/16	5/8	5000K14.5
16.0	30	180	27	1″	3/4	5000K16.0
18.0	33	200	30	1″1/8	7/8	5000K18.0
20.0	36	220	33	1″1/4	1″	5000K20.0
22.0	38	220	36	1″3/8	1″1/8	5000K22.0
24.0	42	235	39 - 42	1″1/2 - 1″5/8	1″1/4	5000K24.0
26.0	45	250				5000K26.0
29.0	50	265	45 - 48	1″3/4 - 1″7/8	1″3/8 - 2″	5000K29.0
32.0	55	285	52	2″	2″1/4	5000K32.0

Ordering example: Extension 5000K2.1
Bestellbeispiel: Verlängerer 5000K2.1
Начин на заявяване: Удължител 5000K2.1

THREAD TOLERANCES
GEWINDETOLERANZEN
ДОПУСКИ НА РЕЗБАТА

Field Tolerances of DIN EN 22 857 (DIN 802)

The standard specifies the tap thread tolerances used for making ISO metric threads with a field tolerance from 4H to 8H and from 4G to 6G. A significant change is the change in the taps designation on classes of application.
The following example shows thread designation after the dropped out DIN 802, part 1 and DIN EN 22 857:
M10, field tolerance of the produced nut thread 6H
after DIN EN 22 857 - M10 ISO 2
after DIN 802, part 1 (dropped out) - M10 6H

Gewindetoleranzfeld DIN EN 22 857 (DIN 802)

Die Norm legt die Fertigungstoleranzen für das Gewindeteil von Gewindebohrern fest, die zur Herstellung von metrischen ISO-Gewinde mit Toleranzfeld 4H bis 8H und von 4G bis 6G verwendet werden. Eine wesentliche Änderung ist dabei die Umstellung der Kennzeichnung der Gewindebohrer nach Anwendungsklassen.
Das folgende Beispiel zeigt die Zusammenhänge von der zurückgezogenen DIN 802, Teil 1 und der DIN EN 22 857. Damit ist in der Anwendung eine eindeutige Zuordnung des Gewindebohrers gewährleistet:
M10, Toleranzfeld des zu schneidenden Muttergewindes 6H
nach DIN EN 22 857 - M10 ISO 2
nach DIN 802, Teil 1 (zurückgezogen) - M10 6H

Допусково поле на резбата DIN EN 22 857 (DIN 802)

Стандартът определя допуските за изработка на резбата на метчиците, които се използват за нарязване на метрични ISO резби с допусково поле от 4H до 8H и от 4G до 6G. Една значителна промяна е промяната на означението на метчиците по класове на приложение.
Следният пример показва означението на метчиците по отпадналия DIN 802, част 1 и DIN EN 22 857. Така, на практика се осигурява ясно класифициране на метчиците:
M10, допусково поле на нарязваната гайкова резба 6H
по DIN EN 22 857 - M10 ISO 2
по DIN 802, част 1 (отпаднал) - M10 6H

DIN EN 22 857							DIN 802, Teil 1
Class of tap applikation Anwendungsklasse des Gewindebohrers Клас на приложение на метчика		Field tolerance of the produced nut thread Toleranzfeld des zu schneidenden Muttergewindes Допусково поле на нарязваната гайкова резба					Class tolerance of the tap Toleranzklasse des Gewindebohrers Клас на допуск на метчика
Name Benennung Название	Designation Kennzeichnung Означение						
Class 1 Klasse 1 Клас 1	ISO 1	4H	5H				4H
Class 2 Klasse 2 Клас 2	ISO 2	4G	5G	6H			6H
Class 3 Klasse 3 Клас 3	ISO 3			6G	7H	8H	6G

Location of the field tolerances of nuts and taps for ISO metric thread - coarse and fine pitch according to DIN EN 22 857

Lage der Toleranzfelder der Mutter und der Gewindebohrer fur metrisches ISO-Regelgewinde und metrisches ISO-Feingewinde nach DIN EN 22857

Разположение на допусковите полета на гайки и метчици за метрична ISO резба - едра и ситна стъпка по DIN EN 22 857

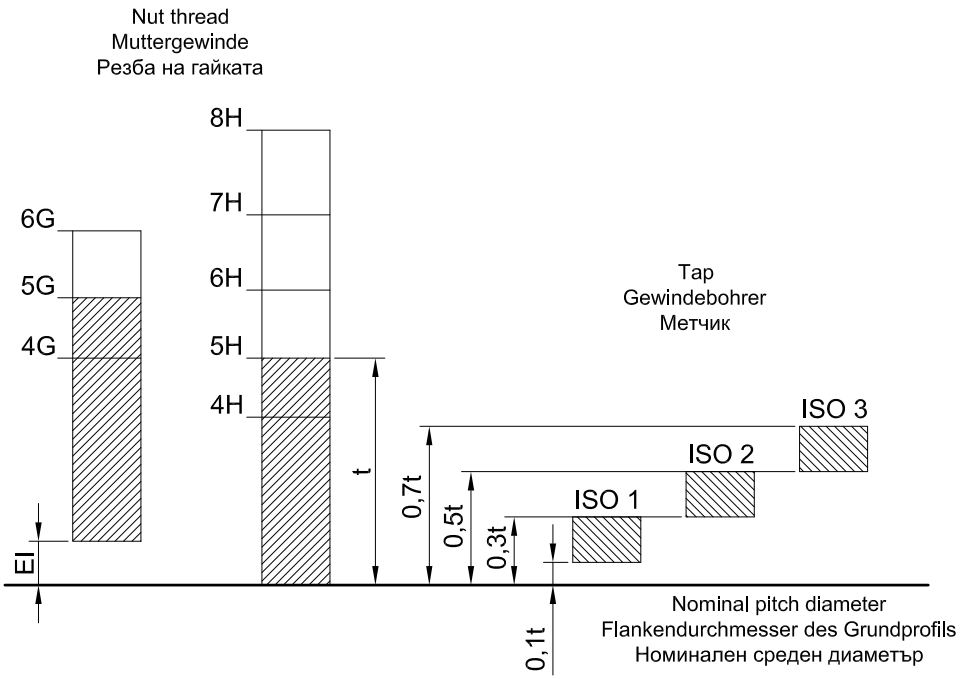


Table of taps application according to field tolerance

Tabelle zur Anwendung der Gewindebohrer nach Toleranzfeld

Таблица за приложение на метчиците според класа на точност

Field tolerance of the tap Toleranzfeld des Gewindebohrers Допусково поле на метчика	Field tolerance of the nut Toleranzfeld der Mutter Допусково поле на гайката	Technical application Technische Andwendung Техническо приложение
ISO 1 (4H, 5H)	4H, 5H	Threads with an interference fit. Threaded joint with a small clearance Festsitzgewinde, Gewindeverbindung mit wenig Spiel Резби със стегната сглобка, резбово съединение с малка хлабина
ISO 2 (6H)	4G, 5G, 6H	Normal threaded joint Normale Gewindewerbindung Нормално резбово съединение
ISO 3 (6G)	6G, 7H, 8H	Threaded joint with a large clearance Gewindewerbindung mit großem Spiel Резбово съединение с голяма хлабина

Recommended Cutting Speed, Rake Angle, Coolants
Empfohlene Schnittgeschwindigkeit, Spanwinkel, Kühl- und Schmiermittel
Препоръчителни скорости на рязане, преден ъгъл, охлаждане и мазане

Material-Group **Werkstoff-Gruppe** **Групи материали**	**Material** **Werkstoff-Benennung** **Наименование на материала**	**Rake Angle** **Spanwinkel** **Ъгъл на рязане**	**Cutting Speed** **Schnittge-schwindigkeit** **Скорост на рязане, m/min**	**Coolants and Lubricants** **Kühl- und Schmiermittel** **Мазане и охлаждане**
Steels **Stähle** **Стомани**	**Unalloyed Steels** **Unlegierte Stähle** **Нелегирани стомани**			Emulsion / емулсия
	up to/bis/до 500 N/mm²	12° - 15°	10 - 15	
	up to/bis/до 700 N/mm²	8° - 10°	8 - 12	
	up to/bis/до 900 N/mm²	6° - 10°	5 - 10	
	Alloyed Steels **Legierte Stähle** **Легирани стомани**			
	700 - 900 N/mm²	6° - 10°	5 - 10	Emulsion / емулсия
	over/über/над 900 N/mm²	6° - 8°	3 - 8	Oil / Öl / масло
	Stainless Steels **Nicht rostende Stähle** **Неръждаеми стомани**			Oil / Öl / масло
	Nonabrasive Freischneidend Лекообработваеми	8° - 12°	3 - 6	
	Hard work steels Schwerbearbeitbar Труднообработваеми	6° - 8°	3 - 8	
Steel casting **Stahlguss** **Стоманена отливка**	Steel casting Stahlguss Стоманена отливка	8° - 10°	5 - 8	Emulsion / емулсия
Cast iron **Gusseisen** **Чугун**	Grey cast iron Grauguss Сив чугун	2° - 3°	8 - 10	dry / trocken / сухо
	Malleable cast iron Temperguss Темперован чугун	6° - 8°	8 - 12	
Aluminium **Алуминий**	Tough / zäh / жилав	20° - 25°	25 - 30	Emulsion / емулсия
	Brittle / spröde / чуплив	12° - 15°	20 - 25	
Metals **Metalle** **Метали**	**Brass** **Messing** **Месинг** — tough / zäh / жилав	3° - 8°	12 - 20	Emulsion / емулсия
	Brass **Messing** **Месинг** — Brittle / spröde / чуплив	0° - 5°	20 - 30	dry / trocken / сухо
	Bronze / Бронз	5° - 8°	8 - 12	dry / trocken / сухо
	Cooper / Kupfer / Мед	15° - 20°	8 - 15	dry / trocken / сухо
	Zinc / Zink / Цинк	15° - 20°	15 - 20	Emulsion / емулсия
Non-metals **Nicht-Metalle** **Неметали**	**Bakelite / Бакелит**	0° - 3°	10 - 15	dry / trocken / сухо
	Thermoplastics **Kunststoffe** **Пластмаси**	15° - 20°	12 - 20	

Conversion Table of Cutting Speed m/min. to r/min.
Umrechnung der Schnittgeschwindigkeit von m/min. in U/min.
Таблица за преобразуване на скоростта на рязане от м/мин. в об/мин.

m/min.		4	6	8	9	10	12	15	18	21	25	27	30	36
d, mm	d, inch	Revolutions per Minute (rpm) / Umdrehungen per Minute (U/min.) / Обороти в минута (об/мин.)												
1.6	1/16	800	1194	1592	1791	1988	2386	2983	3579	4176	4971	5369	5965	7158
1.8		708	1065	1415	1598	1768	2121	2652	3182	3712	4419	4743	5303	6364
2		637	955	1274	1433	1591	1909	2386	2863	3341	3977	4295	4773	5727
2.2	3/32	579	869	1158	1303	1446	1736	2169	2603	3037	3616	3905	4339	5207
2.5		510	764	1019	1147	1274	1527	1909	2291	2673	3182	3436	3818	4582
3	1/8	425	637	849	955	1061	1273	1591	1909	2227	2651	2864	3182	3818
3.5		364	546	728	819	909	1091	1364	1636	1909	2273	2455	2727	3273
4	5/32	318	478	637	718	796	955	1193	1432	1671	1989	2148	2387	2864
4.5		283	425	566	637	707	849	1061	1273	1485	1768	1909	2122	2546
5	3/16	255	382	510	573	637	764	955	1146	1337	1591	1719	1909	2292
6	1/4	212	319	425	477	530	636	795	954	1113	1326	1432	1592	1909
7	9/32	182	273	364	409	455	546	682	818	955	1136	1227	1364	1636
8	5/16	159	239	319	358	398	477	597	716	835	994	1074	1193	1432
9		142	212	283	318	354	425	531	637	742	885	955	1061	1293
10	3/8	127	191	255	286	318	382	477	573	668	795	859	955	1146
11		116	174	232	260	289	347	434	521	608	723	781	868	1041
12	1/2	106	159	212	238	265	318	398	477	557	663	716	796	955
13		98	147	196	220	245	294	367	441	514	612	661	734	881
14	9/16	91	136	182	205	277	273	341	409	477	568	614	682	818
16	5/8	80	119	159	179	199	239	298	358	418	497	537	597	716
18		71	106	141	159	177	212	265	318	371	442	477	530	636
20	3/4	64	96	127	143	159	191	239	286	334	398	430	477	573
22	7/8	58	87	116	130	145	174	217	260	304	362	391	434	521
24	1	53	80	106	119	133	159	199	239	275	331	353	398	477
27		47	71	94	106	118	141	177	212	245	295	318	354	424
30	1 1/8	43	64	85	95	106	127	159	191	223	265	286	318	382
33	1 1/4	39	58	77	87	96	116	145	174	203	241	260	289	347
36		35	53	71	80	88	106	133	159	186	221	239	265	318
39	1 1/2	33	49	65	73	82	98	122	147	171	204	220	245	294
42		30	46	61	68	76	91	114	186	159	189	205	227	273
45	1 3/4	28	42	57	64	71	85	106	127	149	177	191	212	255
48		27	40	53	60	66	80	99	119	139	166	179	199	239
52		24	37	49	55	61	73	92	110	129	153	165	184	220
56	2	23	34	46	51	57	68	85	102	119	142	153	170	205