

Intro

PO-VA

MS Material Specific Series

Spiral Pointed Taps for Stainless Steel



SP

SL



FEATURES

Material specific for through hole application.
Most suitable for stainless steel, steel and alloy steel.
OX treatment reduces welding troubles.

PO

Recommended Tapping Speeds Depending On Materials

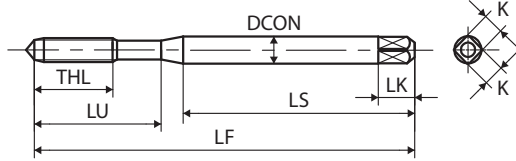
ISO	Vc (m/min)	★	ISO	Vc (m/min)	★
P1	≤10	★	M1	≤10	★
P2	≤10	★	M2	≤10	☆
P3	≤10	★			
P4	≤10	☆			
P7	≤10	★			

★ 1st choice ☆ suitable

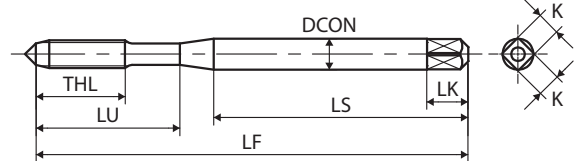
ROLL

CARBIDE

TYPE: EU_001



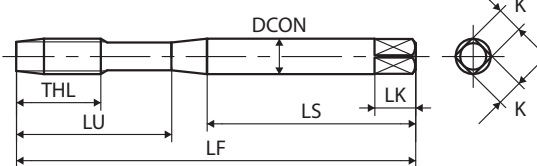
TYPE: EU_057



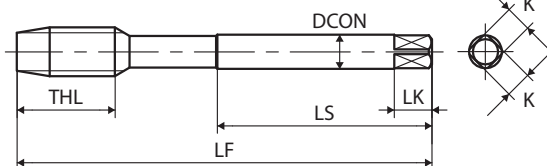
LONG

HAND TAPS

TYPE: EU_084



TYPE: EU_086



EG (STI)

SPECIAL THREADS, GAUGES

THREAD MILLS

DIES

CENTER DRILLS

Technical info

M	TCTR (tolerance)	\varnothing (mm)	Hole \varnothing (mm)	Code	THCHT (chamfer)	LF (mm)	THL (mm)	LU (mm)	LS (mm)	DCON (mm)	K (mm)	LK (mm)	NOF	Type	Stock
DIN 371															
M2X0.4	ISO2X(6HX)	1.6	1.65	PD2.0EBGEX	4.5P	45	8	-	32	2.8	2.1	5	2	001	●
M2.5X0.45	ISO2X(6HX)	2.1	2.11	PD2.5FBGEX	4.5P	50	8	15	33	2.8	2.1	5	2	057	●
M3X0.5	ISO2X(6HX)	2.5	2.56	PD3.0GBGEX	4.5P	56	9	18	34	3.5	2.7	6	3	057	●
M4X0.7	ISO2X(6HX)	3.3	3.38	PD4.0IBGEX	4.5P	63	13	21	38	4.5	3.4	6	3	057	●
M5X0.8	ISO2X(6HX)	4.2	4.28	PD5.0KBGEX	4.5P	70	14	25	39	6	4.9	8	3	057	●
M6X1	ISO2X(6HX)	5	5.09	PD6.0MBGEX	4.5P	80	15	30	45	6	4.9	8	3	057	●
M8X1.25	ISO2X(6HX)	6.8	6.85	PD8.0NBGEX	4.5P	90	19	35	47	8	6.2	9	3	084	●
M10X1.5	ISO2X(6HX)	8.5	8.6	PD0100BGEX	4.5P	100	23	39	52	10	8	11	3	084	●
M	TCTR (tolerance)	\varnothing (mm)	Hole \varnothing (mm)	Code	THCHT (chamfer)	LF (mm)	THL (mm)	LU (mm)	LS (mm)	DCON (mm)	K (mm)	LK (mm)	NOF	Type	Stock
DIN 376															
M8X1.25	ISO2X(6HX)	6.8	6.85	PG8.0NBGEX	4.5P	90	19	-	46	6	4.9	8	3	086	●
M10X1.5	ISO2X(6HX)	8.5	8.6	PG0100BGEX	4.5P	100	23	-	51	7	5.5	8	3	086	●
M12X1.75	ISO2X(6HX)	10.3	10.36	PG012PBGEX	4.5P	110	26	-	56	9	7	10	3	086	●
M14X2	ISO2X(6HX)	12	12.12	PG014QBGEX	4.5P	110	26	-	56	11	9	12	3	086	●
M16X2	ISO2X(6HX)	14	14.12	PG016QBGEX	4.5P	110	26	-	56	12	9	12	3	086	●
M18X2.5	ISO2X(6HX)	15.5	15.63	PG018RBGEX	4.5P	125	33	-	64	14	11	14	3	086	●
M20X2.5	ISO2X(6HX)	17.5	17.63	PG020RBGEX	4.5P	140	33	-	71	16	12	15	3	086	●
M22X2.5	ISO2X(6HX)	19.5	19.63	PG022RBGEX	4.5P	140	33	-	71	18	14.5	17	3	086	●
M24X3	ISO2X(6HX)	21	21.13	PG024SBGEX	4.5P	160	37	-	82	18	14.5	17	3	086	●
M27X3	ISO2X(6HX)	24	24.13	PG027SBGEX	4.5P	160	37	-	82	20	16	19	4	086	●
M30X3.5	ISO2X(6HX)	26.5	26.63	PG030TBGEX	4.5P	180	44	-	92	22	18	21	4	086	●
M36X4	ISO2X(6HX)	32	32.12	PG036UBGEX	4.5P	200	52	-	102	28	22	25	4	086	●
MF	TCTR (tolerance)	\varnothing (mm)	Hole \varnothing (mm)	Code	THCHT (chamfer)	LF (mm)	THL (mm)	LU (mm)	LS (mm)	DCON (mm)	K (mm)	LK (mm)	NOF	Type	Stock
DIN 374															
M8X1	ISO2X(6HX)	7	7.09	PM8.0MBGEX	4.5P	90	19	-	46	6	4.9	8	3	086	●
M10X1.25	ISO2X(6HX)	8.8	8.85	PM010NBGEX	4.5P	100	23	-	51	7	5.5	8	3	086	●
M10X1	ISO2X(6HX)	9	9.09	PM010MBGEX	4.5P	90	19	-	46	7	5.5	8	3	086	●
M12X1.5	ISO2X(6HX)	10.5	10.6	PM0120BGEX	4.5P	100	21	-	51	9	7	10	3	086	●
M12X1.25	ISO2X(6HX)	10.8	10.85	PM012NBGEX	4.5P	100	21	-	51	9	7	10	3	086	●
M12X1	ISO2X(6HX)	11	11.09	PM012MBGEX	4.5P	100	21	-	51	9	7	10	3	086	●
M14X1.5	ISO2X(6HX)	12.5	12.6	PM0140BGEX	4.5P	100	21	-	51	11	9	12	3	086	●
M16X1.5	ISO2X(6HX)	14.5	14.6	PM0160BGEX	4.5P	100	21	-	51	12	9	12	3	086	●
M18X1.5	ISO2X(6HX)	16.5	16.6	PM0180BGEX	4.5P	110	24	-	56	14	11	14	3	086	●
M20X1.5	ISO2X(6HX)	18.5	18.6	PM0200BGEX	4.5P	125	24	-	64	16	12	15	3	086	●
M22X1.5	ISO2X(6HX)	20.5	20.6	PM0220BGEX	4.5P	125	24	-	64	18	14.5	17	3	086	●
M24X1.5	ISO2X(6HX)	22.5	22.6	PM0240BGEX	4.5P	140	27	-	71	18	14.5	17	3	086	●
UNC	TCTR (tolerance)	\varnothing (mm)	Hole \varnothing (mm)	Code	THCHT (chamfer)	LF (mm)	THL (mm)	LU (mm)	LS (mm)	DCON (mm)	K (mm)	LK (mm)	NOF	Type	Stock
DIN 371															
No.4-40UNC	2BX	2.3	2.33	PDUN4HYGEX	4.5P	56	9	18	34	3.5	2.7	6	3	057	●
No.6-32UNC	2BX	2.8	2.83	PDUN6JYGEX	4.5P	56	11	19	32	4	3	6	3	057	●
No.8-32UNC	2BX	3.4	3.47	PDUN8JYGEX	4.5P	63	13	21	38	4.5	3.4	6	3	057	●
No.10-24UNC	2BX	3.89	3.9	PDUNAMYGEX	4.5P	70	14	24	39	6	4.9	8	3	057	●
1/4-20UNC	2BX	5.1	5.19	PDU04NYGEX	4.5P	80	15	30	42	7	5.5	8	3	057	●
5/16-18UNC	2BX	6.6	6.65	PDU050YGEX	4.5P	90	19	35	47	8	6.2	9	3	084	●
3/8-16UNC	2BX	8	8.07	PDU06PYGEX	4.5P	100	23	39	54	9	7	10	3	084	●

Intro

SP

SL

PO

DIN

ST

ROLL

CARBIDE

LONG

HAND
TAPS

EG (STI)


SPECIAL
THREADS,
GAUGESTHREAD
MILLS

DIES


CENTER
DRILLSTechnical
info

Spiral Pointed Taps


Intro

UNC	TCTR (tolerance)	 Hole Ø (mm)	Hole Ø (mm)	Code	THCHT (chamfer)	LF (mm)	THL (mm)	LU (mm)	LS (mm)	DCON (mm)	K (mm)	LK (mm)	NOF	Type	Stock
DIN 376															
7/16-14UNC	2BX	9.4	9.45	PGU07QYGEX	4.5P	100	23	-	51	8	6.2	9	3	086	●
1/2-13UNC	2BX	10.9	10.91	PGU08RYGEX	4.5P	110	26	-	56	9	7	10	3	086	●
9/16-12UNC	2BX	12.2	12.33	PGU09SYGEX	4.5P	110	26	-	56	11	9	12	3	086	●
5/8-11UNC	2BX	13.6	13.75	PGU10UYGEX	4.5P	110	26	-	56	12	9	12	3	086	●
3/4-10UNC	2BX	16.6	16.7	PGU12VYGEX	4.5P	125	33	-	64	14	11	14	3	086	●
7/8-9UNC	2BX	19.6	19.61	PGU14WYGEX	4.5P	140	33	-	71	18	14.5	17	3	086	●
1-8UNC	2BX	22.3	22.45	PGU16XYGEX	4.5P	160	37	-	82	18	14.5	17	3	086	●


PO

UNF	TCTR (tolerance)	 Hole Ø (mm)	Hole Ø (mm)	Code	THCHT (chamfer)	LF (mm)	THL (mm)	LU (mm)	LS (mm)	DCON (mm)	K (mm)	LK (mm)	NOF	Type	Stock
DIN 371															
No.10-32UNF	2BX	4.1	4.12	PDUNAJYGEX	4.5P	70	14	24	39	6	4.9	8	3	057	●
1/4-28UNF	2BX	5.5	5.53	PDU04KYGEX	4.5P	80	15	30	42	7	5.5	8	3	057	●

ST

UNF	TCTR (tolerance)	 Hole Ø (mm)	Hole Ø (mm)	Code	THCHT (chamfer)	LF (mm)	THL (mm)	LU (mm)	LS (mm)	DCON (mm)	K (mm)	LK (mm)	NOF	Type	Stock
DIN 374															
5/16-24UNF	2BX	6.9	6.97	PMU05MYGEX	4.5P	90	19	-	46	6	4.9	8	3	086	●
3/8-24UNF	2BX	8.5	8.57	PMU06MYGEX	4.5P	100	23	-	51	7	5.5	8	3	086	●
1/2-20UNF	2BX	11.5	11.54	PMU08NYGEX	4.5P	100	21	-	51	9	7	10	3	086	●
9/16-18UNF	2BX	12.9	13	PMU09OYGEX	4.5P	100	21	-	51	11	9	12	3	086	●
5/8-18UNF	2BX	14.5	14.6	PMU10OYGEX	4.5P	100	21	-	51	12	9	12	3	086	●
3/4-16UNF	2BX	17.5	17.59	PMU12PYGEX	4.5P	110	24	-	56	14	11	14	3	086	●
7/8-14UNF	2BX	20.5	20.57	PMU14QYGEX	4.5P	125	24	-	64	18	14.5	17	3	086	●
1-12UNF	2BX	23.3	23.46	PMU16SYGEX	4.5P	140	27	-	71	18	14.5	17	3	086	●

LONG

G(BSP)	TCTR (tolerance)	 Hole Ø (mm)	Hole Ø (mm)	Code	THCHT (chamfer)	Basic major Ø (mm)	LF (mm)	THL (mm)	LS (mm)	DCON (mm)	K (mm)	LK (mm)	NOF	Type	Stock
DIN 5156															
1/8-28	-	8.75	8.78	PVG0020GEX	4.5P	9.728	90	19	46	7	5.5	8	3	086	●
1/4-19	-	11.75	11.78	PVG0040GEX	4.5P	13.157	100	21	51	11	9	12	3	086	●
3/8-19	-	15.25	15.28	PVG0060GEX	4.5P	16.662	100	21	51	12	9	12	3	086	●
1/2-14	-	19	19.04	PVG0080GEX	4.5P	20.955	125	24	64	16	12	15	3	086	●
3/4-14	-	24.5	24.52	PVG0120GEX	4.5P	26.441	140	27	71	20	16	19	4	086	●
1-11	-	30.75	30.77	PVG0160GEX	4.5P	33.249	160	29	82	25	20	23	4	086	●

SPECIAL
THREADS,
GAUGES

THREAD
MILLS

DIES

CENTER
DRILLS

Technical
info