

Intro

SP-VA

MS Material Specific Series

Spiral Fluted Taps for Stainless Steel

SP

DIN

SL

PO

ST

ROLL

CARBIDE

LONG

HAND TAPS

EG (STI)

SPECIAL THREADS, GAUGES

THREAD MILLS

DIES

CENTER DRILLS

Technical info



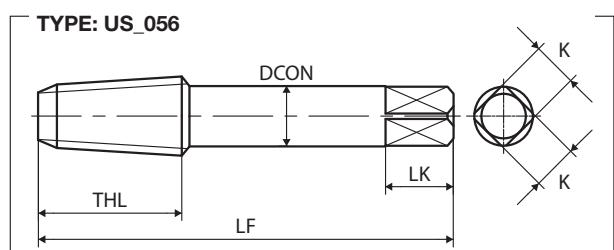
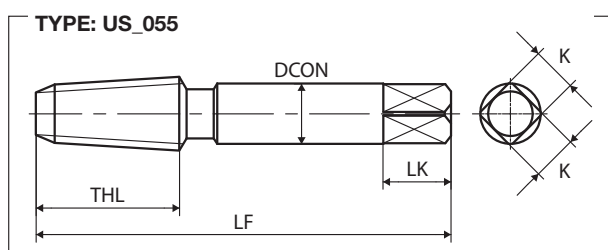
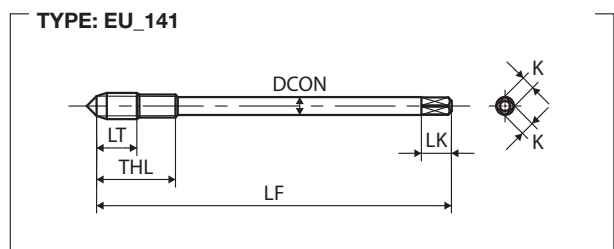
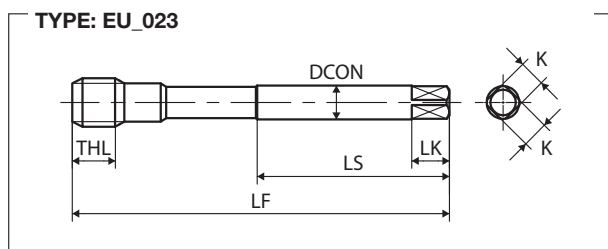
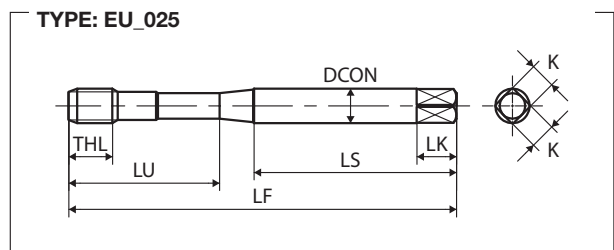
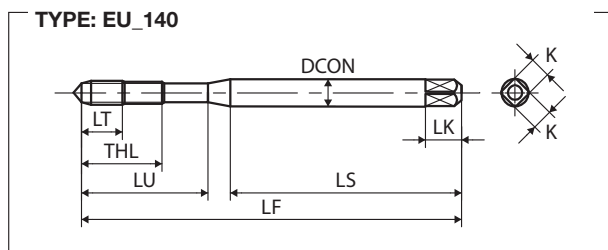
FEATURES

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

Recommended Tapping Speeds Depending On Materials

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

★ 1st choice ☆ suitable



M	TCTR (tolerance)	\varnothing (mm)	Hole \varnothing (mm)	Code	THCHT (chamfer)	LF (mm)	LT (mm)	THL (mm)	LU (mm)	LS (mm)	DCON (mm)	K (mm)	LK (mm)	NOF	Type	Stock
DIN 371																
M2X0.4	IS02(6H)	1.6	1.65	SD2.0EAGEX	2.5P	45	4	8	-	32	2.8	2.1	5	2	140	●
M2.5X0.45	IS02(6H)	2.1	2.11	SD2.5FAGEX	2.5P	50	4	8	15	33	2.8	2.1	5	2	140	●
M3X0.5	IS02(6H)	2.5	2.56	SD3.0GAGEX	2.5P	56	5	9	18	34	3.5	2.7	6	2	140	●
	IS03(6G)	2.5	2.56	SD3.0GMGEX	2.5P	56	5	9	18	34	3.5	2.7	6	2	140	●
M4X0.7	IS02(6H)	3.3	3.38	SD4.0IAGEX	2.5P	63	7	13	21	38	4.5	3.4	6	3	140	●
	IS03(6G)	3.3	3.38	SD4.0IMGEX	2.5P	63	7	13	21	38	4.5	3.4	6	3	140	●
M5X0.8	IS02(6H)	4.2	4.28	SD5.0KAGEX	2.5P	70	9	14	25	39	6	4.9	8	3	140	●
	IS03(6G)	4.2	4.28	SD5.0KMGEX	2.5P	70	9	14	25	39	6	4.9	8	3	140	●
M6X1	IS02(6H)	5	5.09	SD6.0MAGEX	2.5P	80	11	15	30	45	6	4.9	8	3	140	●
	IS03(6G)	5	5.09	SD6.0MMGEX	2.5P	80	11	15	30	45	6	4.9	8	3	140	●
M8X1.25	IS02(6H)	6.8	6.85	SD8.0NAGEX	2.5P	90	-	12	35	47	8	6.2	9	3	025	●
	IS03(6G)	6.8	6.85	SD8.0NMGEX	2.5P	90	-	12	35	47	8	6.2	9	3	025	●
M10X1.5	IS02(6H)	8.5	8.6	SD0100AGEX	2.5P	100	-	13	39	52	10	8	11	3	025	●
	IS03(6G)	8.5	8.6	SD0100MGEX	2.5P	100	-	13	39	52	10	8	11	3	025	●
DIN 376																
M8X1.25	IS02(6H)	6.8	6.85	SG8.0NAGEX	2.5P	90	-	12	-	46	6	4.9	8	3	023	●
M10X1.5	IS02(6H)	8.5	8.6	SG0100AGEX	2.5P	100	-	13	-	51	7	5.5	8	3	023	●
M12X1.75	IS02(6H)	10.3	10.36	SG012PAGEX	2.5P	110	-	15	-	56	9	7	10	3	023	●
	IS03(6G)	10.3	10.36	SG012PMGEX	2.5P	110	-	15	-	56	9	7	10	3	023	●
M14X2	IS02(6H)	12	12.12	SG014QAGEX	2.5P	110	-	18	-	56	11	9	12	3	023	●
M16X2	IS02(6H)	14	14.12	SG016QAGEX	2.5P	110	-	18	-	56	12	9	12	3	023	●
M18X2.5	IS02(6H)	15.5	15.63	SG018RAGEX	2.5P	125	-	20	-	64	14	11	14	4	023	●
M20X2.5	IS02(6H)	17.5	17.63	SG020RAGEX	2.5P	140	-	20	-	71	16	12	15	4	023	●
M22X2.5	IS02(6H)	19.5	19.63	SG022RAGEX	2.5P	140	-	20	-	71	18	14.5	17	4	023	●
M24X3	IS02(6H)	21	21.13	SG024SAGEX	2.5P	160	-	25	-	82	18	14.5	17	4	023	●
M27X3	IS02(6H)	24	24.13	SG027SAGEX	2.5P	160	-	25	-	82	20	16	19	4	023	●
M30X3.5	IS02(6H)	26.5	26.63	SG030TAGEX	2.5P	180	-	30	-	92	22	18	21	4	023	●
M36X4	IS02(6H)	32	32.12	SG036UAGEX	2.5P	200	-	40	-	102	28	22	25	4	023	●
DIN 374																
M6X0.75	IS02(6H)	5.3	5.33	SM6.0JAGEX	2.5P	80	13	13	-	-	4.5	3.4	6	3	141	●
M8X1	IS02(6H)	7	7.09	SM8.0MAGEX	2.5P	90	-	12	-	46	6	4.9	8	3	023	●
M8X0.75	IS02(6H)	7.3	7.33	SM8.0JAGEX	2.5P	80	-	12	-	41	6	4.9	8	3	023	●
M10X1.25	IS02(6H)	8.8	8.85	SM010NAGEX	2.5P	100	-	13	-	51	7	5.5	8	3	023	●
M10X1	IS02(6H)	9	9.09	SM010MAGEX	2.5P	90	-	13	-	46	7	5.5	8	3	023	●
M12X1.5	IS02(6H)	10.5	10.6	SM012OAGEX	2.5P	100	-	15	-	51	9	7	10	3	023	●
M12X1.25	IS02(6H)	10.8	10.85	SM012NAGEX	2.5P	100	-	15	-	51	9	7	10	3	023	●
M12X1	IS02(6H)	11	11.09	SM012MAGEX	2.5P	100	-	15	-	51	9	7	10	3	023	●
M14X1.5	IS02(6H)	12.5	12.6	SM014OAGEX	2.5P	100	-	14	-	51	11	9	12	3	023	●
M14X1	IS02(6H)	13	13.09	SM014MAGEX	2.5P	100	-	14	-	51	11	9	12	3	023	●
M16X1.5	IS02(6H)	14.5	14.6	SM016OAGEX	2.5P	100	-	14	-	51	12	9	12	3	023	●
M16X1	IS02(6H)	15	15.09	SM016MAGEX	2.5P	100	-	14	-	51	12	9	12	3	023	●
M18X1.5	IS02(6H)	16.5	16.6	SM018OAGEX	2.5P	110	-	14	-	56	14	11	14	4	023	●
M20X1.5	IS02(6H)	18.5	18.6	SM020OAGEX	2.5P	125	-	14	-	64	16	12	15	4	023	●
M22X1.5	IS02(6H)	20.5	20.6	SM022OAGEX	2.5P	125	-	14	-	64	18	14.5	17	4	023	●
M24X2	IS02(6H)	22	22.12	SM024QAGEX	2.5P	140	-	18	-	71	18	14.5	17	4	023	●

Intro

SP
DIN

SL

PO

ST

ROLL

CARBIDE

LONG

HAND
TAPS

EG (STI)


SPECIAL
THREADS,
GAUGESTHREAD
MILLS

DIES


CENTER
DRILLSTechnical
info

Spiral Fluted Taps

Intro

	MF	TCTR (tolerance)	 Hole Ø (mm)	Code	THCHT (chamfer)	LF (mm)	LT (mm)	THL (mm)	LU (mm)	LS (mm)	DCON (mm)	K (mm)	LK (mm)	NOF	Type	Stock	
	DIN 374																
SP DIN	M24X1.5	IS02(6H)	22.5	22.6	SM0240AGEX	2.5P	140	-	18	-	71	18	14.5	17	4	023	●
	M27X2	IS02(6H)	25	25.12	SM027QAGEX	2.5P	140	-	20	-	71	20	16	19	4	023	●
	M30X2	IS02(6H)	28	28.12	SM030QAGEX	2.5P	150	-	20	-	77	22	18	21	4	023	●
	M30X1.5	IS02(6H)	28.5	28.6	SM0300AGEX	2.5P	150	-	20	-	77	22	18	21	4	023	●


SL

	UNC	TCTR (tolerance)	 Hole Ø (mm)	Code	THCHT (chamfer)	LF (mm)	LT (mm)	THL (mm)	LU (mm)	LS (mm)	DCON (mm)	K (mm)	LK (mm)	NOF	Type	Stock	
	DIN 371																

PO

PO	No.4-40UNC	2B	2.3	2.33	SDUN4HXGEX	2.5P	56	5	9	18	34	3.5	2.7	6	2	140	●
	No.6-32UNC	2B	2.8	2.83	SDUN6JXGEX	2.5P	56	7	11	19	32	4	3	6	3	140	●
	No.8-32UNC	2B	3.4	3.47	SDUN8JXGEX	2.5P	63	7	13	21	38	4.5	3.4	6	3	140	●
	No.10-24UNC	2B	3.89	3.9	SDUNAMXGEX	2.5P	70	9	14	24	39	6	4.9	8	3	140	●
ST	1/4-20UNC	2B	5.1	5.19	SDU04NXGEX	2.5P	80	11	15	30	42	7	5.5	8	3	140	●
	5/16-18UNC	2B	6.6	6.65	SDU050XGEX	2.5P	90	-	12	35	47	8	6.2	9	3	025	●
	3/8-16UNC	2B	8	8.07	SDU06PXGEX	2.5P	100	-	13	39	54	9	7	10	3	025	●


ROLL

	UNC	TCTR (tolerance)	 Hole Ø (mm)	Code	THCHT (chamfer)	LF (mm)	LT (mm)	THL (mm)	LU (mm)	LS (mm)	DCON (mm)	K (mm)	LK (mm)	NOF	Type	Stock	
	DIN 376																


CARBIDE

CARBIDE	7/16-14UNC	2B	9.4	9.45	SGU07QXGEX	2.5P	100	-	13	-	51	8	6.2	9	3	023	●
	1/2-13UNC	2B	10.9	10.91	SGU08RXGEX	2.5P	110	-	15	-	56	9	7	10	3	023	●
	9/16-12UNC	2B	12.2	12.33	SGU09SXGEX	2.5P	110	-	18	-	56	11	9	12	3	023	●
	5/8-11UNC	2B	13.6	13.75	SGU10UXGEX	2.5P	110	-	18	-	56	12	9	12	3	023	●
	3/4-10UNC	2B	16.6	16.7	SGU12VXGEX	2.5P	125	-	20	-	64	14	11	14	4	023	●
LONG	7/8-9UNC	2B	19.6	19.61	SGU14WXGEX	2.5P	140	-	20	-	71	18	14.5	17	4	023	●
	1 -8UNC	2B	22.3	22.45	SGU16XXGEX	2.5P	160	-	25	-	82	18	14.5	17	4	023	●
	1 1/8-7UNC	2B	25	25.17	SGU18YXGEX	2.5P	180	-	30	-	92	22	18	21	4	023	●
	1 1/4-7UNC	2B	28.2	28.35	SGU20YXGEX	2.5P	180	-	30	-	92	22	18	21	4	023	●
HAND TAPS	1 3/8-6UNC	2B	30.8	30.92	SGU22ZXGEX	2.5P	200	-	40	-	102	28	22	25	4	023	●
	1 1/2-6UNC	2B	34	34.1	SGU24ZXGEX	2.5P	200	-	40	-	102	32	24	27	4	023	●

EG (STI)





	UNF	TCTR (tolerance)	 Hole Ø (mm)	Code	THCHT (chamfer)	LF (mm)	LT (mm)	THL (mm)	LU (mm)	LS (mm)	DCON (mm)	K (mm)	LK (mm)	NOF	Type	Stock	
	DIN 371																
EG (STI)	No.10-32UNF	2B	4.1	4.12	SDUNAJXGEX	2.5P	70	9	14	24	39	6	4.9	8	3	140	●
	1/4-28UNF	2B	5.5	5.53	SDU04KXGEX	2.5P	80	11	15	30	42	7	5.5	8	3	140	●

SPECIAL
THREADS,
GAUGES

	UNF	TCTR (tolerance)	 Hole Ø (mm)	Code	THCHT (chamfer)	LF (mm)	LT (mm)	THL (mm)	LU (mm)	LS (mm)	DCON (mm)	K (mm)	LK (mm)	NOF	Type	Stock	
	DIN 374																

THREAD
MILLS

THREAD MILLS	5/16-24UNF	2B	6.9	6.97	SMU05MXGEX	2.5P	90	-	12	-	46	6	4.9	8	3	023	●
	3/8-24UNF	2B	8.5	8.57	SMU06MXGEX	2.5P	100	-	13	-	51	7	5.5	8	3	023	●
	7/16-20UNF	2B	9.9	9.96	SMU07NXGEX	2.5P	100	-	13	-	51	8	6.2	9	3	023	●
	1/2-20UNF	2B	11.5	11.54	SMU08NXGEX	2.5P	100	-	15	-	51	9	7	10	3	023	●
DIES	9/16-18UNF	2B	12.9	13	SMU090XGEX	2.5P	100	-	14	-	51	11	9	12	3	023	●
	5/8-18UNF	2B	14.5	14.6	SMU100XGEX	2.5P	100	-	14	-	51	12	9	12	3	023	●
	3/4-16UNF	2B	17.5	17.59	SMU12PXGEX	2.5P	110	-	14	-	56	14	11	14	4	023	●
	7/8-14UNF	2B	20.5	20.57	SMU14QXGEX	2.5P	125	-	20	-	64	18	14.5	17	4	023	●
CENTER DRILLS	1 -12UNF	2B	23.3	23.46	SMU16SXGEX	2.5P	140	-	18	-	71	18	14.5	17	4	023	●
	1 1/8-12UNF	2B	26.5	26.63	SMU18SXGEX	2.5P	150	-	20	-	77	22	18	21	4	023	●
	1 1/4-12UNF	2B	29.6	29.81	SMU20SXGEX	2.5P	150	-	20	-	77	22	18	21	4	023	●
	1 3/8-12UNF	2B	32.8	32.98	SMU22SXGEX	2.5P	170	-	20	-	87	28	22	25	4	023	●
Technical info	1 1/2-12UNF	2B	36	36.16	SMU24SXGEX	2.5P	170	-	20	-	87	32	24	27	4	023	●

8UN	TCTR (tolerance)	 Hole Ø (mm)	Hole Ø (mm)	Code	THCHT (chamfer)	LF (mm)	LT (mm)	THL (mm)	LU (mm)	LS (mm)	DCON (mm)	K (mm)	LK (mm)	NOF	Type	Stock
DIN 374																
1 1/8-8UN	2B	25.5	25.62	SMU18XXGEX	2.5P	180	-	28	-	92	22	18	21	4	023	●
1 1/4-8UN	2B	28.5	28.8	SMU20XXGEX	2.5P	180	-	28	-	92	22	18	21	4	023	●
1 3/8-8UN	2B	31.8	31.97	SMU22XXGEX	2.5P	200	-	30	-	102	28	22	25	4	023	●
1 1/2-8UN	2B	35	35.15	SMU24XXGEX	2.5P	200	-	30	-	102	32	24	27	4	023	●
1 5/8-8UN	2B	38.1	38.32	SMU26XXGEX	2.5P	200	-	30	-	102	32	24	27	4	023	●
1 3/4-8UN	2B	41.3	41.5	SMU28XXGEX	2.5P	200	-	40	-	102	36	29	32	4	023	●
2 -8UN	2B	47.8	47.85	SMU32XXGEX	2.5P	225	-	40	-	115	40	32	35	4	023	●
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	SVG0020GEX	2.5P	9.728	90	12	46	7	5.5	8	3	023	●	
1/4-19	-	11.75	11.78	SVG0040GEX	2.5P	13.157	100	14	51	11	9	12	3	023	●	
3/8-19	-	15.25	15.28	SVG0060GEX	2.5P	16.662	100	14	51	12	9	12	3	023	●	
1/2-14	-	19	19.04	SVG0080GEX	2.5P	20.955	125	18	64	16	12	15	4	023	●	
3/4-14	-	24.5	24.52	SVG0120GEX	2.5P	26.441	140	20	71	20	16	19	4	023	●	
1 -11	-	30.75	30.77	SVG0160GEX	2.5P	33.249	160	20	82	25	20	23	4	023	●	
NPT	TCTR (tolerance)	 Hole Ø (mm)	Hole Ø (mm)	Code	THCHT (chamfer)	Basic major Ø (mm)	LF 0	THL 0	LS 0	DCON 0	K 0	LK 0	NOF	Type	Stock	
DIN 371																
1/8-27	-	8.35	8.39	OAFBZ002	2.5P	10.117	90	12	64	10	8	11	3	055	●	
1/4-18	-	10.8	10.85	NHFBZ008	2.5P	13.426	100	18	57	14	11	14	3	055	●	
NPT	TCTR (tolerance)	 Hole Ø (mm)	Hole Ø (mm)	Code	THCHT (chamfer)	Basic major Ø (mm)	LF 0	THL 0	LS 0	DCON 0	K 0	LK 0	NOF	Type	Stock	
DIN 374																
3/8-18	-	14.25	14.27	NFFBZ007	2.5P	16.866	110	18	90	14	11	14	4	056	●	
1/2-14	-	17.5	17.6	ODFBZ003	2.5P	20.980	140	23	114	16	12	15	4	056	●	
3/4-14	-	22.9	22.91	NHFBZ006	2.5P	26.325	150	24	123	20	16	19	4	056	●	
1 -11.5	-	28.75	28.78	NKYLZ001	2.5P	32.934	170	30	136	25	20	23	4	056	●	

Intro

SP
DIN

SL

PO

ST

ROLL

CARBIDE

LONG

HAND
TAPS

EG (STI)

SPECIAL
THREADS,
GAUGESTHREAD
MILLS

DIES

CENTER
DRILLSTechnical
info

Intro

SP-VA E(1.5P)



SP

MS Material Specific Series

1.5P Spiral Fluted Taps for Stainless Steel

DIN



SL

FEATURES

Material specific for blind 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)	★
P2	≤10	★	M1	≤10	★
P3	≤10	★			
P4	≤10	☆			
P7	≤10	★			

★ 1st choice ☆ suitable

ST

ROLL

CARBIDE

LONG

HAND TAPS

EG (STI)

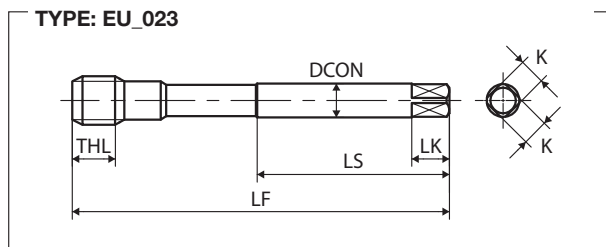
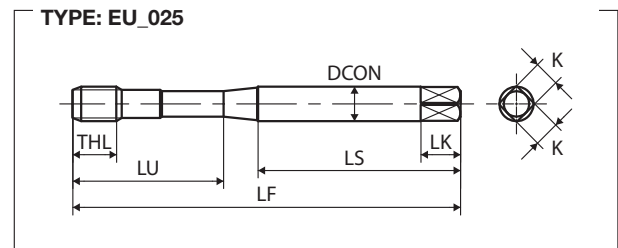
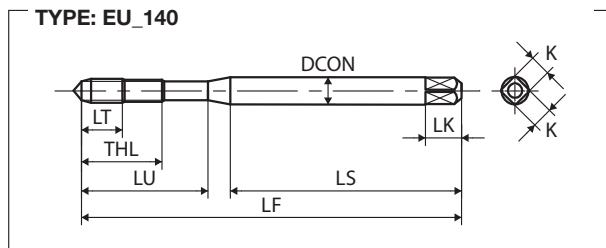
SPECIAL THREADS, GAUGES


THREAD MILLS

DIES

CENTER DRILLS

Technical info



M	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															
M3X0.5	IS02(6H)	2.5	2.56	SD3.0GAGEXA	1.5P	56	9	18	34	3.5	2.7	6	2	140	●
M4X0.7	IS02(6H)	3.3	3.38	SD4.0IAGEXA	1.5P	63	13	21	38	4.5	3.4	6	3	140	●
M5X0.8	IS02(6H)	4.2	4.28	SD5.0KAGEXA	1.5P	70	14	25	39	6	4.9	8	3	140	●
M6X1	IS02(6H)	5	5.09	SD6.0MAGEXA	1.5P	80	15	30	45	6	4.9	8	3	140	●
M8X1.25	IS02(6H)	6.8	6.85	SD8.0NAGEXA	1.5P	90	12	35	47	8	6.2	9	3	025	●
M10X1.5	IS02(6H)	8.5	8.6	SD0100AGEXA	1.5P	100	13	39	52	10	8	11	3	025	●
DIN 376															
M12X1.75	IS02(6H)	10.3	10.36	SG012PAGEXA	1.5P	110	15	-	56	9	7	10	3	023	●
M14X2	IS02(6H)	12	12.12	SG014QAGEXA	1.5P	110	18	-	56	11	9	12	3	023	●
M16X2	IS02(6H)	14	14.12	SG016QAGEXA	1.5P	110	18	-	56	12	9	12	3	023	●
M20X2.5	IS02(6H)	17.5	17.63	SG020RAGEXA	1.5P	140	20	-	71	16	12	15	4	023	●
DIN 374															
M8X1	IS02(6H)	7	7.09	SM8.0MAGEXA	1.5P	90	12	-	46	6	4.9	8	3	023	●
M10X1.25	IS02(6H)	8.8	8.85	SM010NAGEXA	1.5P	100	13	-	51	7	5.5	8	3	023	●
M10X1	IS02(6H)	9	9.09	SM010MAGEXA	1.5P	90	13	-	46	7	5.5	8	3	023	●
M12X1.5	IS02(6H)	10.5	10.6	SM012OAGEXA	1.5P	100	15	-	51	9	7	10	3	023	●
M12X1.25	IS02(6H)	10.8	10.85	SM012NAGEXA	1.5P	100	15	-	51	9	7	10	3	023	●
M14X1.5	IS02(6H)	12.5	12.6	SM014OAGEXA	1.5P	100	14	-	51	11	9	12	3	023	●
M16X1.5	IS02(6H)	14.5	14.6	SM016OAGEXA	1.5P	100	14	-	51	12	9	12	3	023	●

- Intro
- SP**
- DIN**
- SL
- PO
- ST
- ROLL
- CARBIDE
- LONG
- HAND TAPS
- EG (STI)
- SPECIAL THREADS, GAUGES
- THREAD MILLS
- DIES
- CENTER DRILLS
- Technical info