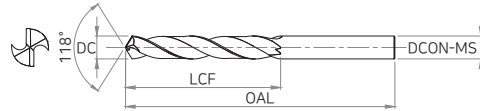


SSDL Non-Ferrous Drill - Long



► Tolerance

DC		Shank Dia
~ Ø3	0 ~ -0.014	h6
Ø3.1 ~ Ø6	0 ~ -0.018	
Ø6.1 ~ Ø10	0 ~ -0.022	



EDP No	DC	LCF	OAL	DCONMS	EDP No	DC	LCF	OAL	DCONMS
SSDL 010	1	25	65	1	SSDL 030	3	42	73	3
SSDL 011	1.1	25	65	1.1	SSDL 031	3.1	42	73	3.1
SSDL 012	1.2	25	65	1.2	SSDL 032	3.2	42	73	3.2
SSDL 013	1.3	25	65	1.3	SSDL 033	3.3	42	73	3.3
SSDL 014	1.4	25	65	1.4	SSDL 034	3.4	42	73	3.4
SSDL 015	1.5	25	65	1.5	SSDL 035	3.5	42	73	3.5
SSDL 016	1.6	25	65	1.6	SSDL 036	3.6	45	80	3.6
SSDL 017	1.7	25	65	1.7	SSDL 037	3.7	45	80	3.7
SSDL 018	1.8	25	65	1.8	SSDL 038	3.8	48	80	3.8
SSDL 019	1.9	25	65	1.9	SSDL 039	3.9	50	80	3.9
SSDL 020	2	30	65	2	SSDL 040	4	54	85	4
SSDL 021	2.1	30	65	2.1	SSDL 041	4.1	54	85	4.1
SSDL 022	2.2	30	65	2.2	SSDL 042	4.2	54	85	4.2
SSDL 023	2.3	30	65	2.3	SSDL 043	4.3	54	85	4.3
SSDL 024	2.4	30	65	2.4	SSDL 044	4.4	54	85	4.4
SSDL 025	2.5	35	70	2.5	SSDL 045	4.5	54	85	4.5
SSDL 026	2.6	35	70	2.6	SSDL 046	4.6	59	90	4.6
SSDL 027	2.7	35	70	2.7	SSDL 047	4.7	59	90	4.7
SSDL 028	2.8	35	70	2.8	SSDL 048	4.8	59	90	4.8
SSDL 029	2.9	35	70	2.9	SSDL 049	4.9	59	90	4.9

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

H		P			K	N			M	S
Hardened Steel		Carbon Steel	Alloy Steel	Prehardened Steel	Cast Iron	Copper	Graphite	Aluminum	Stainless Steel	Heat Resistant Alloy
SKD61 ~HRc55	SKD11 HRc55~	~HB225	HB225 ~325	HRc30~50	~FCD500					
		○				○		◎		

Drill

Dolphin Drill

Dolphin Oil-Hole Drill

Power Max

Solid Spiral

SSDL Non-Ferrous Drill - Long

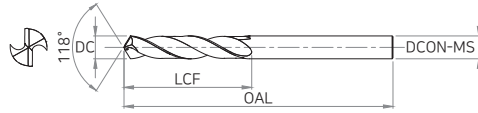
Drill

EDP No	DC	LCF	OAL	DCONMS	EDP No	DC	LCF	OAL	DCONMS
SSDL 050	5	59	90	5	SSDL 076	7.6	80	115	7.6
SSDL 051	5.1	63	95	5.1	SSDL 077	7.7	80	115	7.7
SSDL 052	5.2	63	95	5.2	SSDL 078	7.8	80	115	7.8
SSDL 053	5.3	63	95	5.3	SSDL 079	7.9	80	115	7.9
SSDL 054	5.4	63	95	5.4	SSDL 080	8	80	115	8
SSDL 055	5.5	63	95	5.5	SSDL 081	8.1	85	125	8.1
SSDL 056	5.6	66	100	5.6	SSDL 082	8.2	85	125	8.2
SSDL 057	5.7	66	100	5.7	SSDL 083	8.3	85	125	8.3
SSDL 058	5.8	66	100	5.8	SSDL 084	8.4	85	125	8.4
SSDL 059	5.9	66	100	5.9	SSDL 085	8.5	85	125	8.5
SSDL 060	6	66	100	6	SSDL 086	8.6	85	125	8.6
SSDL 061	6.1	70	105	6.1	SSDL 087	8.7	85	125	8.7
SSDL 062	6.2	70	105	6.2	SSDL 088	8.8	85	125	8.8
SSDL 063	6.3	70	105	6.3	SSDL 089	8.9	85	125	8.9
SSDL 064	6.4	70	105	6.4	SSDL 090	9	85	125	9
SSDL 065	6.5	70	105	6.5	SSDL 091	9.1	88	130	9.1
SSDL 066	6.6	73	105	6.6	SSDL 092	9.2	88	130	9.2
SSDL 067	6.7	73	105	6.7	SSDL 093	9.3	88	130	9.3
SSDL 068	6.8	73	105	6.8	SSDL 094	9.4	88	130	9.4
SSDL 069	6.9	73	105	6.9	SSDL 095	9.5	88	130	9.5
SSDL 070	7	73	105	7	SSDL 096	9.6	90	130	9.6
SSDL 071	7.1	76	110	7.1	SSDL 097	9.7	90	130	9.7
SSDL 072	7.2	76	110	7.2	SSDL 098	9.8	90	130	9.8
SSDL 073	7.3	76	110	7.3	SSDL 099	9.9	90	130	9.9
SSDL 074	7.4	76	110	7.4	SSDL 100	10	90	130	10
SSDL 075	7.5	76	110	7.5					

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

H		P			K	N			M	S
Hardened Steel		Carbon Steel	Alloy Steel	Prehardened Steel	Cast Iron	Copper	Graphite	Aluminum	Stainless Steel	Heat Resistant Alloy
SKD61 ~HRc55	SKD11 HRc55~	~HB225	HB225 ~325	HRc30~50	~FCD500					
		○				○		◎		



► Tolerance

DC		Shank Dia
~ Ø3	0 ~ -0.014	h6
Ø3.1 ~ Ø6	0 ~ -0.018	
Ø6.1 ~ Ø10	0 ~ -0.022	
Ø10.1 ~ Ø13	0 ~ -0.027	



EDP No	DC	LCF	OAL	DCONMS	EDP No	DC	LCF	OAL	DCONMS
SSTD 005	0.5	6	22	0.5	SSTD 020	2	16	45	2
SSTD 0055	0.55	7	24	0.55	SSTD 021	2.1	16	45	2.1
SSTD 006	0.6	7	24	0.6	SSTD 022	2.2	16	45	2.2
SSTD 0065	0.65	8	26	0.65	SSTD 023	2.3	16	45	2.3
SSTD 007	0.7	9	28	0.7	SSTD 024	2.4	18	50	2.4
SSTD 0075	0.75	9	28	0.75	SSTD 025	2.5	20	50	2.5
SSTD 008	0.8	10	30	0.8	SSTD 026	2.6	20	50	2.6
SSTD 0085	0.85	10	30	0.85	SSTD 027	2.7	22	50	2.7
SSTD 009	0.9	11	32	0.9	SSTD 028	2.8	22	50	2.8
SSTD 0095	0.95	11	32	0.95	SSTD 029	2.9	22	50	2.9
SSTD 010	1	10	38	1	SSTD 030	3	22	50	3
SSTD 011	1.1	10	38	1.1	SSTD 031	3.1	25	50	3.1
SSTD 012	1.2	10	38	1.2	SSTD 032	3.2	25	50	3.2
SSTD 013	1.3	10	38	1.3	SSTD 033	3.3	25	50	3.3
SSTD 014	1.4	10	38	1.4	SSTD 034	3.4	25	50	3.4
SSTD 015	1.5	13	38	1.5	SSTD 035	3.5	25	50	3.5
SSTD 016	1.6	13	38	1.6	SSTD 036	3.6	28	55	3.6
SSTD 017	1.7	13	38	1.7	SSTD 037	3.7	28	55	3.7
SSTD 018	1.8	13	38	1.8	SSTD 038	3.8	28	55	3.8
SSTD 019	1.9	13	38	1.9	SSTD 039	3.9	28	55	3.9

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

H		P			K	N			M	S
Hardened Steel		Carbon Steel	Alloy Steel	Prehardened Steel	Cast Iron	Copper	Graphite	Aluminum	Stainless Steel	Heat Resistant Alloy
SKD61 ~HRc55	SKD11 HRc55~	~HB225	~325	HRc30~50	~FCD500					
		○				○		◎		

EDP No	DC	LCF	OAL	DCONMS	EDP No	DC	LCF	OAL	DCONMS
SSTD 040	4	28	55	4	SSTD 074	7.4	45	80	7.4
SSTD 041	4.1	30	60	4.1	SSTD 075	7.5	45	80	7.5
SSTD 042	4.2	30	60	4.2	SSTD 076	7.6	50	85	7.6
SSTD 043	4.3	30	60	4.3	SSTD 077	7.7	50	85	7.7
SSTD 044	4.4	30	60	4.4	SSTD 078	7.8	50	85	7.8
SSTD 045	4.5	30	60	4.5	SSTD 079	7.9	50	85	7.9
SSTD 046	4.6	33	65	4.6	SSTD 080	8	50	85	8
SSTD 047	4.7	33	65	4.7	SSTD 081	8.1	50	85	8.1
SSTD 048	4.8	35	65	4.8	SSTD 082	8.2	50	85	8.2
SSTD 049	4.9	35	65	4.9	SSTD 083	8.3	50	85	8.3
SSTD 050	5	35	65	5	SSTD 084	8.4	50	85	8.4
SSTD 051	5.1	35	65	5.1	SSTD 085	8.5	50	85	8.5
SSTD 052	5.2	35	65	5.2	SSTD 086	8.6	50	95	8.6
SSTD 053	5.3	35	65	5.3	SSTD 087	8.7	50	95	8.7
SSTD 054	5.4	35	65	5.4	SSTD 088	8.8	50	95	8.8
SSTD 055	5.5	35	65	5.5	SSTD 089	8.9	50	95	8.9
SSTD 056	5.6	38	75	5.6	SSTD 090	9	50	95	9
SSTD 057	5.7	38	75	5.7	SSTD 091	9.1	50	95	9.1
SSTD 058	5.8	38	75	5.8	SSTD 092	9.2	50	95	9.2
SSTD 059	5.9	38	75	5.9	SSTD 093	9.3	50	95	9.3
SSTD 060	6	38	75	6	SSTD 094	9.4	50	95	9.4
SSTD 061	6.1	38	75	6.1	SSTD 095	9.5	50	95	9.5
SSTD 062	6.2	38	75	6.2	SSTD 096	9.6	50	95	9.6
SSTD 063	6.3	38	75	6.3	SSTD 097	9.7	50	95	9.7
SSTD 064	6.4	38	75	6.4	SSTD 098	9.8	50	95	9.8
SSTD 065	6.5	38	75	6.5	SSTD 099	9.9	55	100	9.9
SSTD 066	6.6	45	80	6.6	SSTD 100	10	55	100	10
SSTD 067	6.7	45	80	6.7	SSTD 101	10.1	55	115	10.1
SSTD 068	6.8	45	80	6.8	SSTD 102	10.2	55	115	10.2
SSTD 069	6.9	45	80	6.9	SSTD 103	10.3	55	115	10.3
SSTD 070	7	45	80	7	SSTD 104	10.4	55	115	10.4
SSTD 071	7.1	45	80	7.1	SSTD 105	10.5	55	115	10.5
SSTD 072	7.2	45	80	7.2	SSTD 106	10.6	60	115	10.6
SSTD 073	7.3	45	80	7.3	SSTD 107	10.7	60	115	10.7

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

H		P			K	N			M	S
Hardened Steel		Carbon Steel	Alloy Steel	Prehardened Steel	Cast Iron	Copper	Graphite	Aluminum	Stainless Steel	Heat Resistant Alloy
SKD61 ~HRC55	SKD11 HRC55~	Steel ~HB225	HB225 ~325	Steel HRC30~50	~FCD500					
		○				○		◎		

EDP No	DC	LCF	OAL	DCONMS	EDP No	DC	LCF	OAL	DCONMS
SSTD 108	10.8	60	115	10.8	SSTD 118	11.8	65	120	11.8
SSTD 109	10.9	60	115	10.9	SSTD 119	11.9	65	120	11.9
SSTD 110	11	60	115	11	SSTD 120	12	65	120	12
SSTD 111	11.1	65	120	11.1	SSTD 124	12.4	70	125	12.4
SSTD 112	11.2	65	120	11.2	SSTD 125	12.5	70	125	12.5
SSTD 113	11.3	65	120	11.3	SSTD 130	13	75	130	13
SSTD 115	11.5	65	120	11.5					

Dolphin
Drill

Dolphin
Oil-Hole
Drill

Power
Max

Solid
Spiral

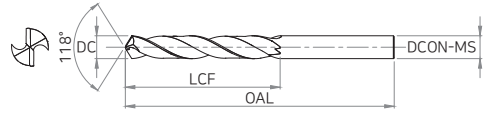
► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

H		P			K	N			M	S
Hardened Steel		Carbon Steel	Alloy Steel	Prehardened Steel	Cast Iron	Copper	Graphite	Aluminum	Stainless Steel	Heat Resistant Alloy
SKD61 ~HRc55	SKD11 HRc55~	~HB225	HB225 ~325	HRc30~50	~FCD500					
		○				○		◎		

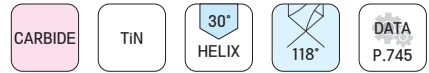
SSTDL Non-Ferrous TiN Coated Drill - Long

Drill



► Tolerance

DC		Shank Dia
~ Ø3	0 ~ -0.014	h6
Ø3.1 ~ Ø6	0 ~ -0.018	
Ø6.1 ~ Ø10	0 ~ -0.022	



EDP No	DC	LCF	OAL	DCONMS	EDP No	DC	LCF	OAL	DCONMS
SSTDL 010	1	25	65	1	SSTDL 030	3	42	73	3
SSTDL 011	1.1	25	65	1.1	SSTDL 031	3.1	42	73	3.1
SSTDL 012	1.2	25	65	1.2	SSTDL 032	3.2	42	73	3.2
SSTDL 013	1.3	25	65	1.3	SSTDL 033	3.3	42	73	3.3
SSTDL 014	1.4	25	65	1.4	SSTDL 034	3.4	42	73	3.4
SSTDL 015	1.5	25	65	1.5	SSTDL 035	3.5	42	73	3.5
SSTDL 016	1.6	25	65	1.6	SSTDL 036	3.6	45	80	3.6
SSTDL 017	1.7	25	65	1.7	SSTDL 037	3.7	45	80	3.7
SSTDL 018	1.8	25	65	1.8	SSTDL 038	3.8	48	80	3.8
SSTDL 019	1.9	25	65	1.9	SSTDL 039	3.9	50	80	3.9
SSTDL 020	2	30	65	2	SSTDL 040	4	54	85	4
SSTDL 021	2.1	30	65	2.1	SSTDL 041	4.1	54	85	4.1
SSTDL 022	2.2	30	65	2.2	SSTDL 042	4.2	54	85	4.2
SSTDL 023	2.3	30	65	2.3	SSTDL 043	4.3	54	85	4.3
SSTDL 024	2.4	30	65	2.4	SSTDL 044	4.4	54	85	4.4
SSTDL 025	2.5	35	70	2.5	SSTDL 045	4.5	54	85	4.5
SSTDL 026	2.6	35	70	2.6	SSTDL 046	4.6	59	90	4.6
SSTDL 027	2.7	35	70	2.7	SSTDL 047	4.7	59	90	4.7
SSTDL 028	2.8	35	70	2.8	SSTDL 048	4.8	59	90	4.8
SSTDL 029	2.9	35	70	2.9	SSTDL 049	4.9	59	90	4.9

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

H		P			K	N			M	S
Hardened Steel		Carbon Steel	Alloy Steel	Prehardened Steel	Cast Iron	Copper	Graphite	Aluminum	Stainless Steel	Heat Resistant Alloy
SKD61 ~HRC55	SKD11 HRC55~	~HB225	HB225 ~325	HRC30~50	~FC500					
		○				○		◎		

SSTD L Non-Ferrous TiN Coated Drill - Long

Drill

EDP No	DC	LCF	OAL	DCONMS	EDP No	DC	LCF	OAL	DCONMS
SSTD L 050	5	59	90	5	SSTD L 076	7.6	80	115	7.6
SSTD L 051	5.1	63	95	5.1	SSTD L 077	7.7	80	115	7.7
SSTD L 052	5.2	63	95	5.2	SSTD L 078	7.8	80	115	7.8
SSTD L 053	5.3	63	95	5.3	SSTD L 079	7.9	80	115	7.9
SSTD L 054	5.4	63	95	5.4	SSTD L 080	8	80	115	8
SSTD L 055	5.5	63	95	5.5	SSTD L 081	8.1	85	125	8.1
SSTD L 056	5.6	66	100	5.6	SSTD L 082	8.2	85	125	8.2
SSTD L 057	5.7	66	100	5.7	SSTD L 083	8.3	85	125	8.3
SSTD L 058	5.8	66	100	5.8	SSTD L 084	8.4	85	125	8.4
SSTD L 059	5.9	66	100	5.9	SSTD L 085	8.5	85	125	8.5
SSTD L 060	6	66	100	6	SSTD L 086	8.6	85	125	8.6
SSTD L 061	6.1	70	105	6.1	SSTD L 087	8.7	85	125	8.7
SSTD L 062	6.2	70	105	6.2	SSTD L 088	8.8	85	125	8.8
SSTD L 063	6.3	70	105	6.3	SSTD L 089	8.9	85	125	8.9
SSTD L 064	6.4	70	105	6.4	SSTD L 090	9	85	125	9
SSTD L 065	6.5	70	105	6.5	SSTD L 091	9.1	88	130	9.1
SSTD L 066	6.6	73	105	6.6	SSTD L 092	9.2	88	130	9.2
SSTD L 067	6.7	73	105	6.7	SSTD L 093	9.3	88	130	9.3
SSTD L 068	6.8	73	105	6.8	SSTD L 094	9.4	88	130	9.4
SSTD L 069	6.9	73	105	6.9	SSTD L 095	9.5	88	130	9.5
SSTD L 070	7	73	105	7	SSTD L 096	9.6	90	130	9.6
SSTD L 071	7.1	76	110	7.1	SSTD L 097	9.7	90	130	9.7
SSTD L 072	7.2	76	110	7.2	SSTD L 098	9.8	90	130	9.8
SSTD L 073	7.3	76	110	7.3	SSTD L 099	9.9	90	130	9.9
SSTD L 074	7.4	76	110	7.4	SSTD L 100	10	90	130	10
SSTD L 075	7.5	76	110	7.5					

Dolphin Drill

Dolphin Oil-Hole Drill

Power Max

Solid Spiral

► Applicable Working Material

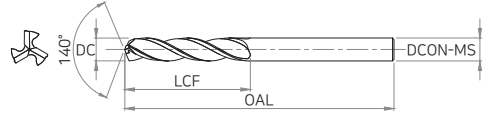
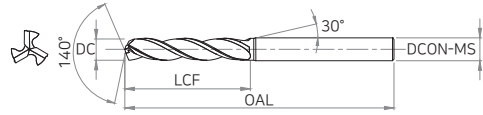
○ : GOOD ◎ : EXCELLENT

H		P			K	N			M	S
Hardened Steel		Carbon Steel	Alloy Steel	Prehardened Steel	Cast Iron	Copper	Graphite	Aluminum	Stainless Steel	Heat Resistant Alloy
SKD61 ~HRc55	SKD11 HRc55~	~HB225	HB225 ~325	HRc30~50	~FCD500					
		○				○		◎		

APF505

3F Aluminum Drill - 5D

Drill



► Tolerance

DC		Shank Dia
All Sizes	0 ~ -0.012	h6



EDP No	DC	LCF	OAL	DCONMS	EDP No	DC	LCF	OAL	DCONMS
APF505 030	3	20	60	3	APF505 055	5.5	35	75	6
APF505 03175	3.175	21.4	60.3	4	APF505 05556	5.556	34.9	76.2	6
APF505 03263	3.263	21.5	60.3	4	APF505 05613	5.613	34.9	76.2	6
APF505 035	3.5	22	63	4	APF505 05791	5.791	34.9	76.2	6
APF505 03572	3.572	23.8	63.5	4	APF505 05953	5.953	38.1	82.6	6
APF505 03967	3.967	23.8	63.5	4	APF505 060	6	38	82	6
APF505 040	4	24	65	4	APF505 06045	6.045	41.3	82.6	7
APF505 045	4.5	24	65	5	APF505 06146	6.146	41.3	82.6	7
APF505 04762	4.762	31.75	69.9	5	APF505 06248	6.248	41.3	82.6	7
APF505 04800	4.8	31.8	69.9	5	APF505 06350	6.35	41.3	82.6	7
APF505 04851	4.851	31.8	69.9	5	APF505 065	6.5	38	82	7
APF505 04914	4.914	31.75	69.9	5	APF505 06527	6.527	42.9	82.6	7
APF505 050	5	32	75	5	APF505 06629	6.629	42.9	88.9	7
APF505 05054	5.054	33.4	76.2	6	APF505 06746	6.746	42.9	88.9	7
APF505 05105	5.105	33.4	76.2	6	APF505 06756	6.756	42.9	88.9	7
APF505 05158	5.158	33.4	76.2	6	APF505 06908	6.908	42.9	88.9	7
APF505 05181	5.181	34.9	76.2	6	APF505 070	7	43	88	7
APF505 05219	5.219	34.9	76.2	6	APF505 07035	7.035	42.9	88.9	8
APF505 05308	5.308	34.9	76.2	6	APF505 07142	7.142	44.5	88.9	8
APF505 05410	5.41	34.9	76.2	6	APF505 07366	7.366	44.5	88.9	8

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

H		P			K	N			M	S
Hardened Steel		Carbon Steel	Alloy Steel	Prehardened Steel	Cast Iron	Copper	Graphite	Aluminum	Stainless Steel	Heat Resistant Alloy
SKD61 ~HRC55	SKD11 HRC55~	Steel ~HB225	HB225 ~325	HRc30~50	~FCD500					
		○				○		◎		

APF505

3F Aluminum Drill - 5D

Drill

EDP No	DC	LCF	OAL	DCONMS	EDP No	DC	LCF	OAL	DCONMS
APF505 075	7.5	44	95	8	APF505 10317	10.317	65.1	114.3	11
APF505 07541	7.541	47.6	95.3	8	APF505 105	10.5	67	114	11
APF505 07670	7.67	47.6	95.3	8	APF505 10716	10.716	68.3	114.3	11
APF505 07937	7.937	47.6	95.3	8	APF505 110	11	68	114	11
APF505 080	8	48	95	8	APF505 11112	11.112	71.4	120.7	12
APF505 08026	8.026	47.6	95.3	9	APF505 115	11.5	70	120	12
APF505 08204	8.204	53.2	95.3	9	APF505 11508	11.508	73	120.7	12
APF505 08333	8.333	53.2	101.6	9	APF505 11907	11.907	73	120.7	12
APF505 08432	8.432	53.2	101.6	9	APF505 120	12	73	120	12
APF505 085	8.5	53	100	9	APF505 12303	12.303	76.2	134.9	13
APF505 08610	8.61	53.2	101.6	9	APF505 125	12.5	75	135	13
APF505 08732	8.732	55.6	101.6	9	APF505 127	12.7	77.8	136.5	13
APF505 08839	8.839	55.6	101.6	9	APF505 130	13	78	136	13
APF505 090	9	55	100	9	APF505 13096	13.096	79.4	136.5	14
APF505 09093	9.093	57.9	108	10	APF505 13492	13.492	84.1	144.5	14
APF505 09128	9.128	57.9	108	10	APF505 13891	13.891	85.7	147.6	14
APF505 09347	9.347	57.9	108	10	APF505 140	14	86	148	14
APF505 095	9.5	58	108	10	APF505 14287	14.287	88.9	150.8	15
APF505 09525	9.525	60.3	108	10	APF505 14683	14.683	88.9	152.4	15
APF505 09575	9.575	60.3	108	10	APF505 150	15	90	152	15
APF505 09804	9.804	60.3	114.3	10	APF505 15082	15.082	90.5	152.4	16
APF505 09921	9.921	60.3	114.3	10	APF505 15478	15.478	93.7	157.2	16
APF505 100	10	60	114	10	APF505 15875	15.875	95.3	160.3	16
APF505 10083	10.083	63.5	114.3	11	APF505 160	16	95	160	16
APF505 10261	10.261	65.1	114.3	11					

Dolphin Drill

Dolphin Oil-Hole Drill

Power Max

Solid Spiral

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

H		P			K	N			M	S
Hardened Steel		Carbon Steel	Alloy Steel	Prehardened Steel	Cast Iron	Copper	Graphite	Aluminum	Stainless Steel	Heat Resistant Alloy
SKD61 ~HRc55	SKD11 HRc55~	~HB225	HB225 ~325	HRc30~50	~FCD500					
		○				○		◎		

Tap Series

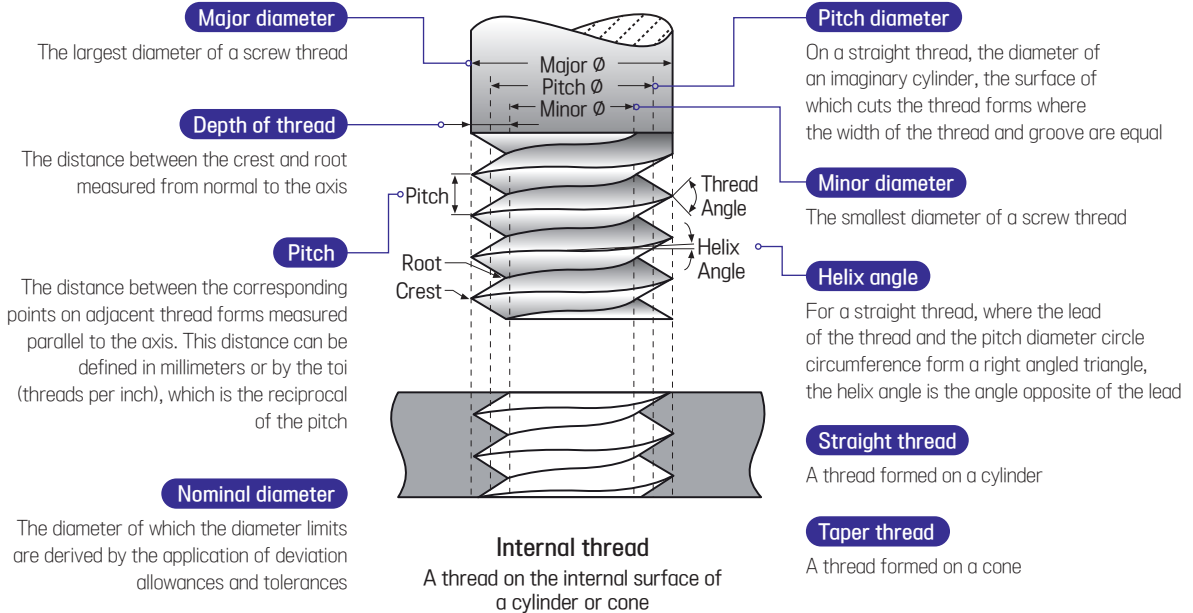
DIN Tap-Star NEW	P. 510
JIS Tap-Star NEW	P. 544

Thread Machining Technology Guide

Terminology

External Thread

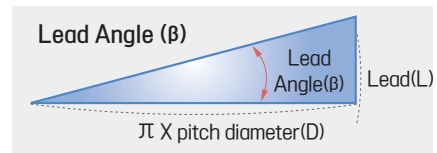
Threads formed on the outer surface of a cylindrical workpiece.



A thread in which the thread helix advances to the left along the axis.



A thread in which the thread helix advances to the right along the axis. Right-hand threads are commonly used, except in special applications.



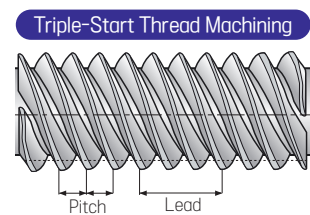
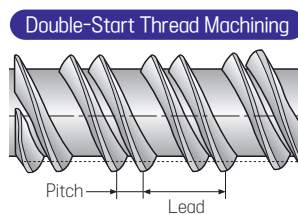
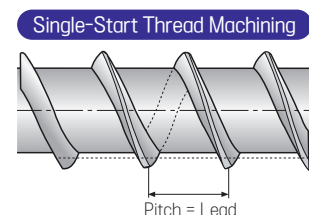
The axial distance a thread advances during one complete revolution around the axis.

$$\text{Lead} = \text{Pitch} \times \text{Number of Starts}$$

The lead angle(β) is calculated using the lead (L) and the circumference at the pitch diameter ($\pi \times D$).

Multi-Start Thread Machining

- A multi-start thread is a thread that has two or more thread starts, visible as multiple helices when viewed in a plane perpendicular to the axis.
- The lead of a multi-start thread is calculated as: $\text{Lead} = \text{Pitch} \times \text{Number of Starts}$



Tap-Star Series NEW

High-Performance Threading Tap-Star Series

Product Description

- High-toughness HSSE substrate for enhanced chipping resistance
- Optimized geometry designed for machining a wide range of workpiece materials



Ring Marking Guide

Yellow Ring

Coating	Applicable workpiece materials
Bright	(N)



Black Ring

Coating	Applicable workpiece materials
TiAlN	(P(K))



Blue Ring

Coating	Applicable workpiece materials
Nitride	(M(H))



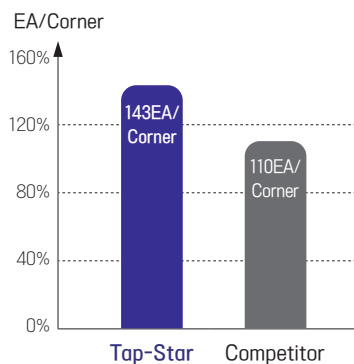
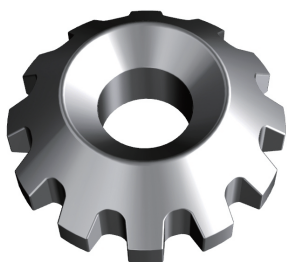
Green Ring

Coating	Applicable workpiece materials
TiAlN	(K)



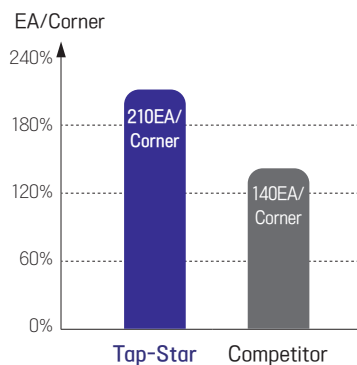
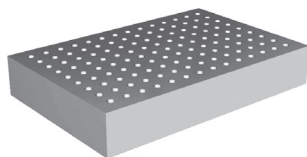
Case Study

Alloy Steel (SNCM439)	
Application	Cutting Tool
Cutting condition	Cutting Dia(ϕ) = 3.5, vc(m/min) = 5, ap(mm) = 13, Internal Coolant(wet)
Test tool	SVDAM0407050 (M4x0.7)



Up to 30% tool life improvement compared to competitors' products

Pre-hardened Steel (KP4M)	
Application	Plates
Cutting condition	Cutting Dia(ϕ) = 8.5, vc(m/min) = 8, ap(mm) = 15, Internal Coolant(wet)
Test tool	SVQAM1015025 (M10x1.5)



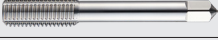
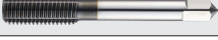
Up to 50% tool life improvement compared to competitors' products

Tap-Star Series NEW

High-Performance Threading Tap-Star Series

Contents

Series	Type	EDP No	Geometry	Coated		Diameter(mm)		Page
				Coated	Uncoated	Min	Max	
DIN / HSSE	Spiral	SVQAM		TiAlN		M2	M24	512
		SVQNM		Nitride		M2	M24	514
		SVQHM		Homo		M2	M24	516
		SVQOM			Bright	M2	M24	518
	Point	SVDAM		TiAlN		M2	M24	520
		SVDNM		Nitride		M2	M24	522
		SVDHM		Homo		M2	M24	524
		SVDOM			Bright	M2	M24	526
	Straight	SVGAM		TiAlN		M3	M24	528
	Roll	SVMOM			Bright	M3	M12	530
		SVMTM		TiN		M3	M12	532
		SVMCM		TiCN		M3	M12	534
DIN / Carbide	Spiral	SWQOM			Bright	M3	M12	536
		SWQCM		TiCN		M3	M12	537
	Straight	SWGOM			Bright	M3	M12	538
		SWGCM		TiCN		M3	M12	540
	Roll	SWMOM			Bright	M3	M12	542
		SWMCM		TiCN		M3	M12	544
JIS / HSSE	Spiral	SVPAM		TiAlN		M2	M24	546
		SVPNM		Nitride		M2	M24	548
		SVPHM		Homo		M2	M24	550
		SVPOM			Bright	M2	M24	552
	Point	SVNAM		TiAlN		M2	M24	554
		SVNNM		Nitride		M2	M24	556
		SVNHM		Homo		M2	M24	558
		SVNOM			Bright	M2	M24	560
	Straight	SVSAM		TiAlN		M3	M24	562

Series	Type	EDP No	Geometry	Coated		Diameter(mm)		Page
				Coated	Uncoated	Min	Max	
JIS / HSSE	Roll	SVROM			Bright	M3	M12	564
		SVRTM		TiN		M3	M12	566
		SVRCM		TiCN		M3	M12	568
JIS / Carbide	Spiral	SWPOM			Bright	M3	M12	570
		SWPCM		TiCN		M3	M12	571
	Straight	SWSOM			Bright	M3	M12	572
		SWSCM		TiCN		M3	M12	574
	Roll	SWROM			Bright	M3	M12	576
		SWRCM		TiCN		M3	M12	578

EDP No. System

*If expressed as an integer, the decimal point is omitted.

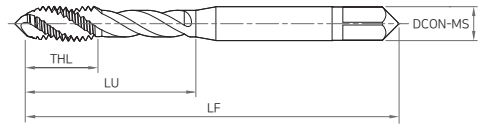
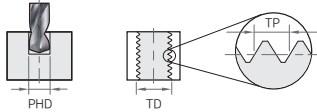
S	V	Q	A	M	06	100	25	(S)
①	②	③	④	⑤	⑥	⑦	⑧	⑨

①	②	③	④	⑤	⑥	⑦	⑧	⑨
Series	Substrate	Description	Surface Treatment	Thread	Size	Pitch	Chamfer Length	Oil Groove
Tap-Star	H : HSSE	Q(DIN) : Spiral	O : Bright	M : Meter Thread	06 : M6	050 : 0.5	15 : 1.5P	S : 1 Groove
	P : PM-HSSE	D(DIN) : Point	A : TiAlN		12 : M12	100 : 1.0	20 : 2.0P	M : 4 Groove
	W : CARBIDE	G(DIN) : Straight	H : HOMO			150 : 1.5	25 : 2.5P	
		M(DIN) : Roll	N : Nitride				40 : 4.0P	
		PUIS) : Spiral	T : TiN				50 : 5.0P	
		NUIS) : Point	C : TiCN					
		SUIS) : Straight						
		RUIS) : Roll						

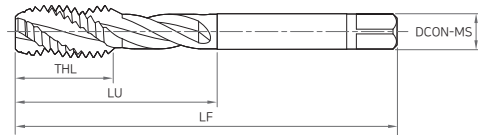
SVQAM

DIN HSSE Spiral Tap

Tap



M6/MF6 OR UNDER



M8/MF8 OVER



EDP No	TDZ	TP	LU	CZC -MS	DCON -MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SVQAM 0204025	M2	0.4	12.5	2.8 x 2.1	2.8	2	45	8	3	2.5P	1.6	6H
SVQAM 025045025	M2.5	0.45	15	2.8 x 2.1	2.8	3	50	9	3	2.5P	2.1	6H
SVQAM 0305025	M3	0.5	17	3.5 x 2.7	3.5	3	56	6	3	2.5P	2.5	6H
SVQAM 0407025	M4	0.7	20.5	4.5 x 3.4	4.5	4	63	7.5	3	2.5P	3.3	6H
SVQAM 0508025	M5	0.8	25	6 x 4.9	6	5	70	9	3	2.5P	4.2	6H
SVQAM 0610025	M6	1	29	6 x 4.9	6	6	80	11	3	2.5P	5	6H
SVQAM 0812525	M8	1.25	34	8 x 6.2	8	8	90	13	3	2.5P	6.8	6H
SVQAM 1015025	M10	1.5	38	10 x 8	10	10	100	16	3	2.5P	8.5	6H
SVQAM 1217525	M12	1.75	40	9 x 7	9	12	110	18	3	2.5P	10.2	6H
SVQAM 1420025	M14	2	45	11 x 9	11	14	110	20	3	2.5P	12	6H
SVQAM 1620025	M16	2	52	12 x 9	12	16	110	20	3	2.5P	14	6H
SVQAM 1825025	M18	2.5	55	14 x 11	14	18	125	22	4	2.5P	15.5	6H
SVQAM 2025025	M20	2.5	58	16 x 12	16	20	140	25	4	2.5P	17.5	6H
SVQAM 2225025	M22	2.5	63	18 x 14.5	18	22	140	25	4	2.5P	19.5	6H
SVQAM 2430025	M24	3	66	18 x 14.5	18	24	160	28	4	2.5P	21	6H
SVQAM 0405025	MF4	0.5	20.5	2.8 x 2.1	2.8	4	63	28	3	2.5P	3.5	6H
SVQAM 0505025	MF5	0.5	24	3.5 x 2.7	3.5	5	70	8	3	2.5P	4.5	6H
SVQAM 0507525	MF5	0.75	24	3.5 x 2.7	3.5	5	70	8	3	2.5P	4.8	6H
SVQAM 0605025	MF6	0.5	26	4.5 x 3.4	4.5	6	80	8	3	2.5P	5.5	6H
SVQAM 0607525	MF6	0.75	26	4.5 x 3.4	4.5	6	80	8	3	2.5P	5.3	6H

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

P										K		N										M	S
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo-Setting Plastic	Thermo-Plastic	Stainless Steels	Titanium Alloys	
-SM25C	SM25C-SM45C	SM45C-	SCM	25-45 HRC	45-55 HRC	50-60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni
◎	◎	◎	◎	○				◎	○	○						◎							

SVQAM

DIN HSSE Spiral Tap

Tap

EDP No	TDZ	TP	LU	CZC-MS	DCON-MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SVQAM 0807525	MF8	0.75	34	6 x 4.9	6	8	80	10	3	2.5P	7.3	6H
SVQAM 0810025	MF8	1	34	6 x 4.9	6	8	90	10	3	2.5P	7	6H
SVQAM 1007525	MF10	0.75	38	7 x 5.5	7	10	90	14	3	2.5P	9.3	6H
SVQAM 1010025	MF10	1	38	7 x 5.5	7	10	90	14	3	2.5P	9	6H
SVQAM 1012525	MF10	1.25	38	7 x 5.5	7	10	100	14	3	2.5P	8.8	6H
SVQAM 1210025	MF12	1	48	9 x 7	9	12	100	14	3	2.5P	11	6H
SVQAM 1212525	MF12	1.25	48	9 x 7	9	12	100	14	3	2.5P	10.8	6H
SVQAM 1215025	MF12	1.5	48	9 x 7	9	12	100	14	3	2.5P	10.5	6H
SVQAM 1410025	MF14	1	48	11 x 9	11	14	100	18	3	2.5P	13	6H
SVQAM 1412525	MF14	1.25	48	11 x 9	11	14	100	18	3	2.5P	12.8	6H
SVQAM 1415025	MF14	1.5	48	11 x 9	11	14	100	18	3	2.5P	12.5	6H
SVQAM 1610025	MF16	1	52	12 x 9	12	16	100	18	4	2.5P	15	6H
SVQAM 1612525	MF16	1.25	52	12 x 9	12	16	100	18	4	2.5P	14.8	6H
SVQAM 1615025	MF16	1.5	52	12 x 9	12	16	100	18	3	2.5P	14.5	6H
SVQAM 1815025	MF18	1.5	55	14 x 11	14	18	110	18	4	2.5P	16.5	6H
SVQAM 1820025	MF18	2	55	14 x 11	14	18	125	22	4	2.5P	16	6H
SVQAM 2015025	MF20	1.5	58	16 x 12	16	20	125	25	4	2.5P	18.5	6H
SVQAM 2020025	MF20	2	58	16 x 12	16	20	140	25	4	2.5P	18	6H
SVQAM 2215025	MF22	1.5	63	18 x 14.5	18	22	125	25	4	2.5P	20.5	6H
SVQAM 2415025	MF24	1.5	66	18 x 14.5	18	24	140	25	4	2.5P	22.5	6H
SVQAM 2420025	MF24	2	66	18 x 14.5	18	24	140	25	4	2.5P	22	6H

DIN
TAP-
STAR

JIS
TAP-
STAR

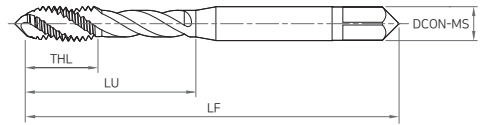
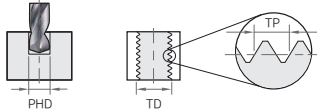
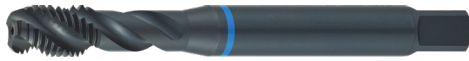
► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

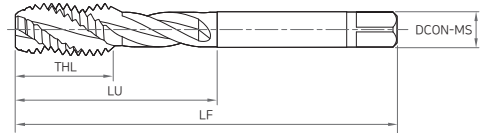
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Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo. Setting Plastic	Thermo. Plastic	Stainless Steels	Titanium Alloys			
~SM25C	SM25C~SM45C	SM45C~	SCM	25~45 HRC	45~55 HRC	50~60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni		
◎	◎	◎	◎	○				◎	○	○						◎									

SVQNM DIN HSSE Spiral Tap

Tap



M6/MF6 OR UNDER



M8/MF8 OVER



EDP No	TDZ	TP	LU	CZC-MS	DCON-MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SVQNM 0204025	M2	0.4	12.5	2.8 x 2.1	2.8	2	45	8	3	2.5P	1.6	6H
SVQNM 025045025	M2.5	0.45	15	2.8 x 2.1	2.8	3	50	9	3	2.5P	2.1	6H
SVQNM 0305025	M3	0.5	17	3.5 x 2.7	3.5	3	56	6	3	2.5P	2.5	6H
SVQNM 0407025	M4	0.7	20.5	4.5 x 3.4	4.5	4	63	7.5	3	2.5P	3.3	6H
SVQNM 0508025	M5	0.8	25	6 x 4.9	6	5	70	9	3	2.5P	4.2	6H
SVQNM 0610025	M6	1	29	6 x 4.9	6	6	80	11	3	2.5P	5	6H
SVQNM 0812525	M8	1.25	34	8 x 6.2	8	8	90	13	3	2.5P	6.8	6H
SVQNM 1015025	M10	1.5	38	10 x 8	10	10	100	16	3	2.5P	8.5	6H
SVQNM 1217525	M12	1.75	40	9 x 7	9	12	110	18	3	2.5P	10.2	6H
SVQNM 1420025	M14	2	45	11 x 9	11	14	110	20	3	2.5P	12	6H
SVQNM 1620025	M16	2	52	12 x 9	12	16	110	20	3	2.5P	14	6H
SVQNM 1825025	M18	2.5	55	14 x 11	14	18	125	22	4	2.5P	15.5	6H
SVQNM 2025025	M20	2.5	58	16 x 12	16	20	140	25	4	2.5P	17.5	6H
SVQNM 2225025	M22	2.5	63	18 x 14.5	18	22	140	25	4	2.5P	19.5	6H
SVQNM 2430025	M24	3	66	18 x 14.5	18	24	160	28	4	2.5P	21	6H
SVQNM 0405025	MF4	0.5	20.5	4.5 x 3.4	4.5	4	63	7.5	3	2.5P	3.5	6H
SVQNM 0505025	MF5	0.5	25	6 x 4.9	6	5	70	8	3	2.5P	4.5	6H
SVQNM 0607525	MF6	0.75	30	6 x 4.9	6	6	80	8	3	2.5P	5.3	6H
SVQNM 0807525	MF8	0.75	30	8 x 6.2	8	8	80	10	3	2.5P	7.3	6H
SVQNM 0810025	MF8	1	34	6 x 4.9	6	8	90	10	3	2.5P	7	6H

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

P										K				N										M	S
Carbon Steel			Alloy Steel			Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo-Setting Plastic	Thermo-Plastic	Stainless Steels	Titanium Alloys	
-SM25C	SM25C-SM45C	SM45C-	SCM	25-45 HRC	45-55 HRC	50-60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni		
○	○	○	○	○			○	○	○	◎							○			○		◎	○	○	

SVQNM

DIN HSSE Spiral Tap

Tap

DIN
TAP-
STAR

JIS
TAP-
STAR

EDP No	TDZ	TP	LU	CZC -MS	DCON -MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SVQNM 1007525	MF10	0.75	39	10 x 8	10	10	90	14	3	2.5P	9.3	6H
SVQNM 1010025	MF10	1	38	7 x 5.5	7	10	90	14	3	2.5P	9	6H
SVQNM 1012525	MF10	1.25	38	7 x 5.5	7	10	100	14	3	2.5P	8.8	6H
SVQNM 1210025	MF12	1	48	9 x 7	9	12	100	14	3	2.5P	11	6H
SVQNM 1212525	MF12	1.25	48	9 x 7	9	12	100	14	3	2.5P	10.8	6H
SVQNM 1215025	MF12	1.5	48	9 x 7	9	12	100	14	3	2.5P	10.5	6H
SVQNM 1410025	MF14	1	48	11 x 9	11	14	100	18	3	2.5P	13	6H
SVQNM 1415025	MF14	1.5	48	11 x 9	11	14	100	18	3	2.5P	12.5	6H
SVQNM 1610025	MF16	1	52	12 x 9	12	16	100	18	4	2.5P	15	6H
SVQNM 1615025	MF16	1.5	52	12 x 9	12	16	100	18	3	2.5P	14.5	6H
SVQNM 1815025	MF18	1.5	55	14 x 11	14	18	110	18	4	2.5P	16.5	6H
SVQNM 1820025	MF18	2	55	14 x 11	14	18	125	22	4	2.5P	16	6H
SVQNM 2015025	MF20	1.5	58	16 x 12	16	20	125	25	4	2.5P	18.5	6H
SVQNM 2215025	MF22	1.5	63	18 x 14.5	18	22	125	25	4	2.5P	20.5	6H
SVQNM 2415025	MF24	1.5	66	18 x 14.5	18	24	140	25	4	2.5P	22.5	6H
SVQNM 2420025	MF24	2	66	18 x 14.5	18	24	140	25	4	2.5P	22	6H

► Applicable Working Material

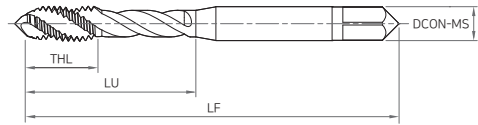
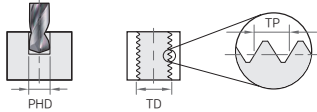
○ : GOOD ◎ : EXCELLENT

P										K		N										M		S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum, Alloy Casting	Magnesium, Alloy Casting	Zinc, Alloy Casting	Thermo, Setting Plastic	Thermo, Plastic	Stainless Steels	Titanium Alloys			
~SM25C	SM25C~SM45C	SM45C~	SCM	25-45 HRC	45-55 HRC	50-60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni		
○	○	○	○	○			○	○	○	◎						○			○		◎	○	○		

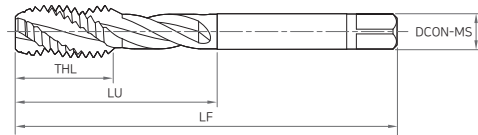
SVQHM

DIN HSSE Spiral Tap

Tap



M6/MF6 OR UNDER



M8/MF8 OVER

DIN
371-374
376

HSSE

HOMO

35°
HELIX

40°
HELIX

EDP No	TDZ	TP	LU	CZC -MS	DCON -MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SVQHM 0204025	M2	0.4	12.5	2.8 x 2.1	2.8	2	45	8	3	2.5P	1.6	6H
SVQHM 025045025	M2.5	0.45	15	2.8 x 2.1	2.8	3	50	9	3	2.5P	2.1	6H
SVQHM 0305025	M3	0.5	17	3.5 x 2.7	3.5	3	56	6	3	2.5P	2.5	6H
SVQHM 0407025	M4	0.7	20.5	4.5 x 3.4	4.5	4	63	7.5	3	2.5P	3.3	6H
SVQHM 0508025	M5	0.8	25	6 x 4.9	6	5	70	9	3	2.5P	4.2	6H
SVQHM 0610025	M6	1	29	6 x 4.9	6	6	80	11	3	2.5P	5	6H
SVQHM 0812525	M8	1.25	34	8 x 6.2	8	8	90	13	3	2.5P	6.8	6H
SVQHM 1015025	M10	1.5	38	10 x 8	10	10	100	16	3	2.5P	8.5	6H
SVQHM 1217525	M12	1.75	40	9 x 7	9	12	110	18	3	2.5P	10.2	6H
SVQHM 1420025	M14	2	45	11 x 9	11	14	110	20	3	2.5P	12	6H
SVQHM 1620025	M16	2	52	12 x 9	12	16	110	20	3	2.5P	14	6H
SVQHM 1825025	M18	2.5	55	14 x 11	14	18	125	22	4	2.5P	15.5	6H
SVQHM 2025025	M20	2.5	58	16 x 12	16	20	140	25	4	2.5P	17.5	6H
SVQHM 2225025	M22	2.5	63	18 x 14.5	18	22	140	25	4	2.5P	19.5	6H
SVQHM 2430025	M24	3	66	18 x 14.5	18	24	160	28	4	2.5P	21	6H
SVQHM 0405025	MF4	0.5	20.5	4.5 x 3.4	4.5	4	63	7.5	3	2.5P	3.5	6H
SVQHM 0505025	MF5	0.5	25	6 x 4.9	6	5	70	8	3	2.5P	4.5	6H
SVQHM 0607525	MF6	0.75	30	6 x 4.9	6	6	80	8	3	2.5P	5.3	6H
SVQHM 0807525	MF8	0.75	30	8 x 6.2	8	8	80	10	3	2.5P	7.3	6H
SVQHM 0810025	MF8	1	34	6 x 4.9	6	8	90	10	3	2.5P	7	6H

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

P										K		N										M	S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo-Setting Plastic	Thermo-Plastic	Stainless Steels	Titanium Alloys		
~SM25C	SM25C~SM45C	SM45C~	SCM	25-45 HRC	45-55 HRC	50-60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni	
◎	◎	◎	◎	○				◎	○	○						◎								

SVQHM

DIN HSSE Spiral Tap

Tap

DIN
TAP-
STAR

JIS
TAP-
STAR

EDP No	TDZ	TP	LU	CZC -MS	DCON -MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SVQHM 1007525	MF10	0.75	39	10 x 8	10	10	90	14	3	2.5P	9.3	6H
SVQHM 1010025	MF10	1	38	7 x 5.5	7	10	90	14	3	2.5P	9	6H
SVQHM 1012525	MF10	1.25	38	7 x 5.5	7	10	100	14	3	2.5P	8.8	6H
SVQHM 1210025	MF12	1	48	9 x 7	9	12	100	14	3	2.5P	11	6H
SVQHM 1212525	MF12	1.25	48	9 x 7	9	12	100	14	3	2.5P	10.8	6H
SVQHM 1215025	MF12	1.5	48	9 x 7	9	12	100	14	3	2.5P	10.5	6H
SVQHM 1410025	MF14	1	48	11 x 9	11	14	100	18	3	2.5P	13	6H
SVQHM 1415025	MF14	1.5	48	11 x 9	11	14	100	18	3	2.5P	12.5	6H
SVQHM 1610025	MF16	1	52	12 x 9	12	16	100	18	4	2.5P	15	6H
SVQHM 1615025	MF16	1.5	52	12 x 9	12	16	100	18	3	2.5P	14.5	6H
SVQHM 1815025	MF18	1.5	55	14 x 11	14	18	110	18	4	2.5P	16.5	6H
SVQHM 1820025	MF18	2	55	14 x 11	14	18	125	22	4	2.5P	16	6H
SVQHM 2015025	MF20	1.5	58	16 x 12	16	20	125	25	4	2.5P	18.5	6H
SVQHM 2215025	MF22	1.5	63	18 x 14.5	18	22	125	25	4	2.5P	20.5	6H
SVQHM 2415025	MF24	1.5	66	18 x 14.5	18	24	140	25	4	2.5P	22.5	6H
SVQHM 2420025	MF24	2	66	18 x 14.5	18	24	140	25	4	2.5P	22	6H

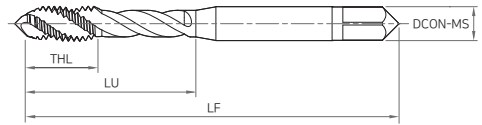
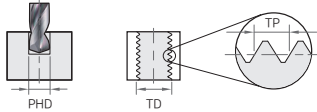
► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

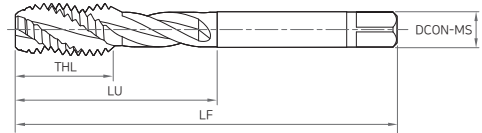
P										K		N										M	S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo Setting Plastic	Thermo Plastic	Stainless Steels	Titanium Alloys		
~SM25C	SM25C~SM45C	SM45C~	SCM	25~45 HRC	45~55 HRC	50~60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni	
◎	◎	◎	◎	○				◎	○	○						◎								

SVQOM DIN HSSE Spiral Tap

Tap



M6/MF6 OR UNDER



M8/MF8 OVER



EDP No	TDZ	TP	LU	CZC-MS	DCON-MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SVQOM 0204025	M2	0.4	12.5	2.8 x 2.1	2.8	2	45	8	2	2.5P	1.6	6H
SVQOM 025045025	M2.5	0.45	15	2.8 x 2.1	2.8	3	50	9	2	2.5P	2.1	6H
SVQOM 0305025	M3	0.5	17	3.5 x 2.7	3.5	3	56	6	3	2.5P	2.5	6H
SVQOM 0407025	M4	0.7	20.5	4.5 x 3.4	4.5	4	63	7.5	3	2.5P	3.3	6H
SVQOM 0508025	M5	0.8	25	6 x 4.9	6	5	70	9	3	2.5P	4.2	6H
SVQOM 0610025	M6	1	29	6 x 4.9	6	6	80	11	3	2.5P	5	6H
SVQOM 0812525	M8	1.25	34	8 x 6.2	8	8	90	13	3	2.5P	6.8	6H
SVQOM 1015025	M10	1.5	38	10 x 8	10	10	100	16	3	2.5P	8.5	6H
SVQOM 1217525	M12	1.75	40	9 x 7	9	12	110	18	3	2.5P	10.2	6H
SVQOM 1420025	M14	2	45	11 x 9	11	14	110	20	3	2.5P	12	6H
SVQOM 1620025	M16	2	52	12 x 9	12	16	110	20	3	2.5P	14	6H
SVQOM 1825025	M18	2.5	55	14 x 11	14	18	125	22	4	2.5P	15.5	6H
SVQOM 2025025	M20	2.5	58	16 x 12	16	20	140	25	4	2.5P	17.5	6H
SVQOM 2225025	M22	2.5	63	18 x 14.5	18	22	140	25	4	2.5P	19.5	6H
SVQOM 2430025	M24	3	66	18 x 14.5	18	24	160	28	4	2.5P	21	6H
SVQOM 0405025	MF4	0.5	20.5	4.5 x 3.4	4.5	4	63	7.5	2	2.5P	3.5	6H
SVQOM 0505025	MF5	0.5	25	6 x 4.9	6	5	70	8	2	2.5P	4.5	6H
SVQOM 0607525	MF6	0.75	30	6 x 4.9	6	6	80	8	2	2.5P	5.3	6H
SVQOM 0807525	MF8	0.75	30	8 x 6.2	8	8	80	10	2	2.5P	7.3	6H
SVQOM 0810025	MF8	1	34	6 x 4.9	6	8	90	10	3	2.5P	7	6H

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

P										K		N										M		S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo-Setting Plastic	Thermo-Plastic	Stainless Steels	Titanium Alloys			
-SM25C	SM25C -SM45C	SM45C-	SCM	25-45 HRC	45-55 HRC	50-60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni		
											◎	◎	◎	◎	◎	◎	○	○	◎						

SVQOM

DIN HSSE Spiral Tap

Tap

DIN
TAP-
STAR

JIS
TAP-
STAR

EDP No	TDZ	TP	LU	CZC -MS	DCON -MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SVQOM 1007525	MF10	0.75	38	10 x 8	10	10	90	14	2	2.5P	9.3	6H
SVQOM 1010025	MF10	1	38	7 x 5.5	7	10	90	14	3	2.5P	9	6H
SVQOM 1012525	MF10	1.25	38	7 x 5.5	7	10	100	14	3	2.5P	8.8	6H
SVQOM 1210025	MF12	1	48	9 x 7	9	12	100	14	3	2.5P	11	6H
SVQOM 1212525	MF12	1.25	48	9 x 7	9	12	100	14	3	2.5P	10.8	6H
SVQOM 1215025	MF12	1.5	48	9 x 7	9	12	100	14	3	2.5P	10.5	6H
SVQOM 1410025	MF14	1	48	11 x 9	11	14	100	18	3	2.5P	13	6H
SVQOM 1415025	MF14	1.5	48	11 x 9	11	14	100	18	3	2.5P	12.5	6H
SVQOM 1610025	MF16	1	52	12 x 9	12	16	100	18	3	2.5P	15	6H
SVQOM 1615025	MF16	1.5	52	12 x 9	12	16	100	18	3	2.5P	14.5	6H
SVQOM 1815025	MF18	1.5	55	14 x 11	14	18	110	18	4	2.5P	16.5	6H
SVQOM 1820025	MF18	2	55	14 x 11	14	18	125	22	4	2.5P	16	6H
SVQOM 2015025	MF20	1.5	58	16 x 12	16	20	125	25	4	2.5P	18.5	6H
SVQOM 2215025	MF22	1.5	63	18 x 14.5	18	22	125	25	4	2.5P	20.5	6H
SVQOM 2415025	MF24	1.5	66	18 x 14.5	18	24	140	25	4	2.5P	22.5	6H
SVQOM 2420025	MF24	2	66	18 x 14.5	18	24	140	25	4	2.5P	22	6H

► Applicable Working Material

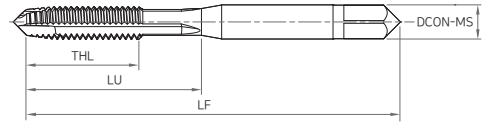
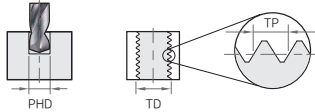
○ : GOOD ◎ : EXCELLENT

P										K		N										M		S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo Setting Plastic	Thermo Plastic	Stainless Steels	Titanium Alloys			
~SM25C	SM25C~SM45C	SM45C~	SCM	25~45 HRC	45~55 HRC	50~60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni		
											◎	◎	◎	◎	◎	◎	○	○	◎						

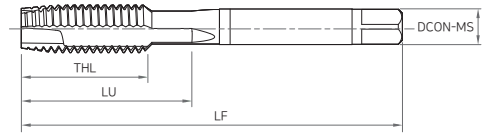
SVDAM

DIN HSSE Point Tap

Tap



M10/MF10 OR UNDER



M12/MF12 OVER

Black
Ring

DIN
371-374
376

HSSE

TIAIN

EDP No	TDZ	TP	LU	CZC -MS	DCON -MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SVDAM 0204050	M2	0.4	12.5	2.8 x 2.1	2.8	2	45	8	3	5.0P	1.6	6H
SVDAM 022045050	M2.2	0.45	15	2.8 x 2.1	2.8	2	45	9	3	5.0P	1.8	6H
SVDAM 025045050	M2.5	0.45	15	2.8 x 2.1	2.8	3	50	9	3	5.0P	2.1	6H
SVDAM 0305050	M3	0.5	18	3.5 x 2.7	3.5	3	56	11	3	5.0P	2.5	6H
SVDAM 03506050	M3.5	0.6	20	4 x 3	4	4	56	13	3	5.0P	2.9	6H
SVDAM 0407050	M4	0.7	21	4.5 x 3.4	4.5	4	63	13	3	5.0P	3.3	6H
SVDAM 0508050	M5	0.8	25	6 x 4.9	6	5	70	16	3	5.0P	4.2	6H
SVDAM 0610050	M6	1	30	6 x 4.9	6	6	80	19	3	5.0P	5	6H
SVDAM 0812550	M8	1.25	35	8 x 6.2	8	8	90	22	3	5.0P	6.8	6H
SVDAM 1015050	M10	1.5	39	10 x 8	10	10	100	24	3	5.0P	8.5	6H
SVDAM 1217550	M12	1.75	40	9 x 7	9	12	110	29	3	5.0P	10.2	6H
SVDAM 1420050	M14	2	45	11 x 9	11	14	110	30	3	5.0P	12	6H
SVDAM 1620050	M16	2	52	12 x 9	12	16	110	32	3	5.0P	14	6H
SVDAM 1825050	M18	2.5	55	14 x 11	14	18	125	34	3	5.0P	15.5	6H
SVDAM 2025050	M20	2.5	58	16 x 12	16	20	140	34	3	5.0P	17.5	6H
SVDAM 2225050	M22	2.5	63	18 x 14.5	18	22	140	34	3	5.0P	19.5	6H
SVDAM 2430050	M24	3	66	18 x 14.5	18	24	160	38	3	5.0P	21	6H
SVDAM 0405050	MF4	0.5	18	2.8 x 2.1	2.8	4	63	10	3	5.0P	3.5	6H
SVDAM 0505050	MF5	0.5	25	3.5 x 2.7	3.5	5	70	12	3	5.0P	4.5	6H
SVDAM 0507550	MF5	0.75	25	3.5 x 2.7	3.5	5	70	12	3	5.0P	4.8	6H

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

P										K		N										M		S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo-Setting Plastic	Thermo-Plastic	Stainless Steels	Titanium Alloys			
-SM25C	SM25C-SM45C	SM45C-	SCM	25-45 HRC	45-55 HRC	50-60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni		
◎	◎	◎	◎	○				◎	○	○						◎									

SVDAM

DIN HSSE Point Tap

Tap

DIN
TAP-
STAR

JIS
TAP-
STAR

EDP No	TDZ	TP	LU	CZC -MS	DCON -MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SVDAM 0605050	MF6	0.5	25	4.5 x 3.4	4.5	6	80	14	3	5.0P	5.5	6H
SVDAM 0607550	MF6	0.75	25	4.5 x 3.4	4.5	6	80	14	3	5.0P	5.3	6H
SVDAM 0807550	MF8	0.75	35	6 x 4.9	6	8	80	19	3	5.0P	7.3	6H
SVDAM 0810050	MF8	1	35	6 x 4.9	6	8	90	22	3	5.0P	7	6H
SVDAM 1007550	MF10	0.75	39	7 x 5.5	7	10	90	20	3	5.0P	9.3	6H
SVDAM 1010050	MF10	1	39	7 x 5.5	7	10	90	20	3	5.0P	9	6H
SVDAM 1012550	MF10	1.25	39	7 x 5.5	7	10	100	24	3	5.0P	8.8	6H
SVDAM 1210050	MF12	1	48	9 x 7	9	12	100	22	3	5.0P	11	6H
SVDAM 1212550	MF12	1.25	48	9 x 7	9	12	100	22	3	5.0P	10.8	6H
SVDAM 1215050	MF12	1.5	48	9 x 7	9	12	100	22	3	5.0P	10.5	6H
SVDAM 1410050	MF14	1	48	11 x 9	11	14	100	22	3	5.0P	13	6H
SVDAM 1412550	MF14	1.25	48	11 x 9	11	14	100	22	3	5.0P	12.8	6H
SVDAM 1415050	MF14	1.5	48	11 x 9	11	14	100	22	3	5.0P	12.5	6H
SVDAM 1610050	MF16	1	52	12 x 9	12	16	100	22	3	5.0P	15	6H
SVDAM 1612550	MF16	1.25	52	12 x 9	12	16	100	22	3	5.0P	14.8	6H
SVDAM 1615050	MF16	1.5	52	12 x 9	12	16	100	22	3	5.0P	14.5	6H
SVDAM 1815050	MF18	1.5	55	14 x 11	14	18	110	25	3	5.0P	16.5	6H
SVDAM 1820050	MF18	2	55	14 x 11	14	18	125	34	4	5.0P	16	6H
SVDAM 2015050	MF20	1.5	58	16 x 12	16	20	125	25	3	5.0P	18.5	6H
SVDAM 2020050	MF20	2	58	16 x 12	16	20	140	34	4	5.0P	18	6H
SVDAM 2215050	MF22	1.5	63	18 x 14.5	18	22	125	25	3	5.0P	20.5	6H
SVDAM 2415050	MF24	1.5	66	18 x 14.5	18	24	140	28	3	5.0P	22.5	6H
SVDAM 2420050	MF24	2	66	18 x 14.5	18	24	140	28	3	5.0P	22	6H

► Applicable Working Material

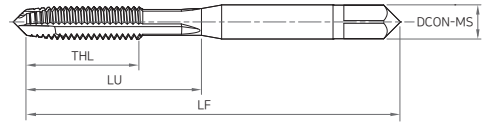
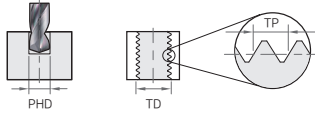
○ : GOOD ◎ : EXCELLENT

P										K		N										M		S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo Setting Plastic	Thermo Plastic	Stainless Steels	Titanium Alloys			
~SM25C	SM25C ~SM45C	SM45C	SCM	25~45 HRC	45~55 HRC	50~60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni		
◎	◎	◎	◎	○				◎	○	○						◎									

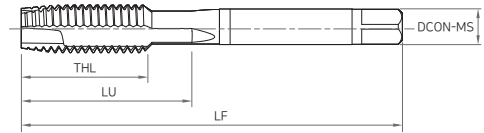
SVDNM

DIN HSSE Point Tap

Tap



M10/MF10 OR UNDER



M12/MF12 OVER



EDP No	TDZ	TP	LU	CZC-MS	DCON-MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SVDNM 0204050	M2	0.4	12.5	2.8 x 2.1	2.8	2	45	8	3	5.0P	1.6	6H
SVDNM 025045050	M2.5	0.45	15	2.8 x 2.1	2.8	3	50	9	3	5.0P	2.1	6H
SVDNM 0305050	M3	0.5	18	3.5 x 2.7	3.5	3	56	11	3	5.0P	2.5	6H
SVDNM 0407050	M4	0.7	21	4.5 x 3.4	4.5	4	63	13	3	5.0P	3.3	6H
SVDNM 0508050	M5	0.8	25	6 x 4.9	6	5	70	16	3	5.0P	4.2	6H
SVDNM 0610050	M6	1	30	6 x 4.9	6	6	80	19	3	5.0P	5	6H
SVDNM 0812550	M8	1.25	35	8 x 6.2	8	8	90	22	3	5.0P	6.8	6H
SVDNM 1015050	M10	1.5	39	10 x 8	10	10	100	24	3	5.0P	8.5	6H
SVDNM 1217550	M12	1.75	40	9 x 7	9	12	110	29	3	5.0P	10.2	6H
SVDNM 1420050	M14	2	45	11 x 9	11	14	110	30	3	5.0P	12	6H
SVDNM 1620050	M16	2	52	12 x 9	12	16	110	32	3	5.0P	14	6H
SVDNM 1825050	M18	2.5	55	14 x 11	14	18	125	34	3	5.0P	15.5	6H
SVDNM 2025050	M20	2.5	58	16 x 12	16	20	140	34	3	5.0P	17.5	6H
SVDNM 2225050	M22	2.5	63	18 x 14.5	18	22	140	34	3	5.0P	19.5	6H
SVDNM 2430050	M24	3	66	18 x 14.5	18	24	160	38	3	5.0P	21	6H
SVDNM 0405050	MF4	0.5	21	4.5 x 3.4	4.5	4	63	10	3	5.0P	3.5	6H
SVDNM 0505050	MF5	0.5	25	6 x 4.9	6	5	70	12	3	5.0P	4.5	6H
SVDNM 0607550	MF6	0.75	30	6 x 4.9	6	6	80	14	3	5.0P	5.3	6H
SVDNM 0807550	MF8	0.75	30	8 x 6.2	8	8	80	19	3	5.0P	7.3	6H
SVDNM 0810050	MF8	0	35	6 x 4.9	6	8	90	22	3	5.0P	7	6H

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

P										K		N										M		S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo-Setting Plastic	Thermo-Plastic	Stainless Steels	Titanium Alloys			
~SM25C	SM25C~SM45C	SM45C~	SCM	25-45 HRC	45-55 HRC	50-60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni		
○	○	○	○	○			○	○	○	◎									○		◎	○	○		

SVDNM

DIN HSSE Point Tap

Tap

EDP No	TDZ	TP	LU	CZC -MS	DCON -MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SVDNM 1007550	MF10	0.75	39	10 x 8	10	10	90	20	3	5.0P	9.3	6H
SVDNM 1010050	MF10	1	39	10 x 8	10	10	90	20	3	5.0P	9	6H
SVDNM 1012550	MF10	1.25	39	7 x 5.5	7	10	100	24	3	5.0P	8.8	6H
SVDNM 1210050	MF12	1	48	9 x 7	9	12	100	22	3	5.0P	11	6H
SVDNM 1212550	MF12	1.25	48	9 x 7	9	12	100	22	3	5.0P	10.8	6H
SVDNM 1215050	MF12	1.5	48	9 x 7	9	12	100	22	3	5.0P	10.5	6H
SVDNM 1410050	MF14	1	48	11 x 9	11	14	100	22	3	5.0P	13	6H
SVDNM 1415050	MF14	1.5	48	11 x 9	11	14	100	22	3	5.0P	12.5	6H
SVDNM 1615050	MF16	1	52	12 x 9	12	16	100	22	3	5.0P	15	6H
SVDNM 1615050	MF16	1.5	52	12 x 9	12	16	100	22	3	5.0P	14.5	6H
SVDNM 1815050	MF18	1.5	55	14 x 11	14	18	110	25	3	5.0P	16.5	6H
SVDNM 1820050	MF18	2	55	14 x 11	14	18	125	34	4	5.0P	16	6H
SVDNM 2015050	MF20	1.5	58	16 x 12	16	20	125	25	3	5.0P	18.5	6H
SVDNM 2215050	MF22	1.5	63	18 x 14.5	18	22	125	25	3	5.0P	20.5	6H
SVDNM 2415050	MF24	1.5	66	18 x 14.5	18	24	140	28	3	5.0P	22.5	6H
SVDNM 2420050	MF24	2	66	18 x 14.5	18	24	140	28	3	5.0P	22	6H

DIN
TAP-
STAR

JIS
TAP-
STAR

► Applicable Working Material

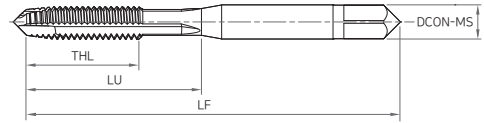
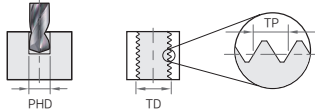
○ : GOOD ◎ : EXCELLENT

P										K		N										M		S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo Setting Plastic	Thermo Plastic	Stainless Steels	Titanium Alloys			
~SM25C	SM25C~SM45C	SM45C~	SCM	25-45 HRC	45-55 HRC	50-60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni		
○	○	○	○	○			○	○	○	◎						○			○		◎	○	○		

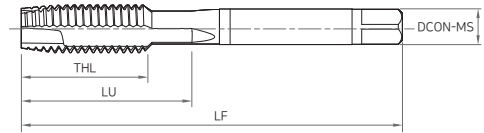
SVDHM

DIN HSSE Point Tap

Tap



M10/MF10 OR UNDER



M12/MF12 OVER

DIN
371-374
376

HSSE

HOMO

EDP No	TDZ	TP	LU	CZC -MS	DCON -MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SVDHM 0204050	M2	0.4	12.5	2.8 x 2.1	2.8	2	45	8	3	5.0P	1.6	6H
SVDHM 025045050	M2.5	0.45	15	2.8 x 2.1	2.8	3	50	9	3	5.0P	2.1	6H
SVDHM 0305050	M3	0.5	18	3.5 x 2.7	3.5	3	56	11	3	5.0P	2.5	6H
SVDHM 0407050	M4	0.7	21	4.5 x 3.4	4.5	4	63	13	3	5.0P	3.3	6H
SVDHM 0508050	M5	0.8	25	6 x 4.9	6	5	70	16	3	5.0P	4.2	6H
SVDHM 0610050	M6	1	30	6 x 4.9	6	6	80	19	3	5.0P	5	6H
SVDHM 0812550	M8	1.25	35	8 x 6.2	8	8	90	22	3	5.0P	6.8	6H
SVDHM 1015050	M10	1.5	39	10 x 8	10	10	100	24	3	5.0P	8.5	6H
SVDHM 1217550	M12	1.75	40	9 x 7	9	12	110	29	3	5.0P	10.2	6H
SVDHM 1420050	M14	2	45	11 x 9	11	14	110	30	3	5.0P	12	6H
SVDHM 1620050	M16	2	52	12 x 9	12	16	110	32	3	5.0P	14	6H
SVDHM 1825050	M18	2.5	55	14 x 11	14	18	125	34	3	5.0P	15.5	6H
SVDHM 2025050	M20	2.5	58	16 x 12	16	20	140	34	3	5.0P	17.5	6H
SVDHM 2225050	M22	2.5	63	18 x 14.5	18	22	140	34	3	5.0P	19.5	6H
SVDHM 2430050	M24	3	66	18 x 14.5	18	24	160	38	3	5.0P	21	6H
SVDHM 0405050	MF4	0.5	21	4.5 x 3.4	4.5	4	63	10	3	5.0P	3.5	6H
SVDHM 0505050	MF5	0.5	25	6 x 4.9	6	5	70	12	3	5.0P	4.5	6H
SVDHM 0607550	MF6	0.75	30	6 x 4.9	6	6	80	14	3	5.0P	5.3	6H
SVDHM 0807550	MF8	0.75	30	8 x 6.2	8	8	80	19	3	5.0P	7.3	6H
SVDHM 0810050	MF8	1	35	6 x 4.9	6	8	90	22	3	5.0P	7	6H

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

P										K		N										M		S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo-Setting Plastic	Thermo-Plastic	Stainless Steels	Titanium Alloys			
-SM25C	SM25C-SM45C	SM45C-	SCM	25-45 HRC	45-55 HRC	50-60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni		
◎	◎	◎	◎	○				◎	○	○						◎									

SVDHM

DIN HSSE Point Tap

Tap

EDP No	TDZ	TP	LU	CZC -MS	DCON -MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SVDHM 1007550	MF10	0.75	39	10 x 8	10	10	90	20	3	5.0P	9.3	6H
SVDHM 1010050	MF10	1	39	10 x 8	10	10	90	20	3	5.0P	9	6H
SVDHM 1012550	MF10	1.25	39	7 x 5.5	7	10	100	24	3	5.0P	8.8	6H
SVDHM 1210050	MF12	1	48	9 x 7	9	12	100	22	3	5.0P	11	6H
SVDHM 1212550	MF12	1.25	48	9 x 7	9	12	100	22	3	5.0P	10.8	6H
SVDHM 1215050	MF12	1.5	48	9 x 7	9	12	100	22	3	5.0P	10.5	6H
SVDHM 1410050	MF14	1	48	11 x 9	11	14	100	22	3	5.0P	13	6H
SVDHM 1415050	MF14	1.5	48	11 x 9	11	14	100	22	3	5.0P	12.5	6H
SVDHM 1610050	MF16	1	52	12 x 9	12	16	100	22	3	5.0P	15	6H
SVDHM 1615050	MF16	1.5	52	12 x 9	12	16	100	22	3	5.0P	14.5	6H
SVDHM 1815050	MF18	1.5	55	14 x 11	14	18	110	25	3	5.0P	16.5	6H
SVDHM 1820050	MF18	2	55	14 x 11	14	18	125	34	4	5.0P	16	6H
SVDHM 2015050	MF20	1.5	58	16 x 12	16	20	125	25	3	5.0P	18.5	6H
SVDHM 2215050	MF22	1.5	63	18 x 14.5	18	22	125	25	3	5.0P	20.5	6H
SVDHM 2415050	MF24	1.5	66	18 x 14.5	18	24	140	28	3	5.0P	22.5	6H
SVDHM 2420050	MF24	2	66	18 x 14.5	18	24	140	28	3	5.0P	22	6H

DIN
TAP-
STAR

JIS
TAP-
STAR

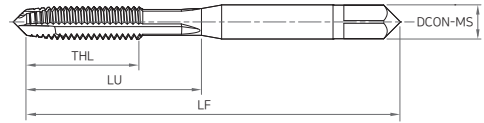
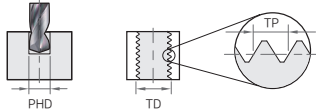
► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

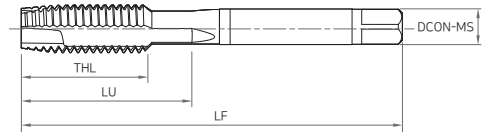
P										K		N										M	S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum, Alloy Casting	Magnesium, Alloy Casting	Zinc, Alloy Casting	Thermo, Setting Plastic	Thermo, Plastic	Stainless Steels	Titanium Alloys		
~SM25C	SM25C~SM45C	SM45C~	SCM	25~45 HRC	45~55 HRC	50~60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni	
◎	◎	◎	◎	○				◎	○	○						◎								

SVDOM DIN HSSE Point Tap

Tap



M10/MF10 OR UNDER



M12/MF12 OVER



EDP No	TDZ	TP	LU	CZC-MS	DCON-MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SVDOM 0204050	M2	0.4	12.5	2.8 x 2.1	2.8	2	45	8	2	5.0P	1.6	6H
SVDOM 025045050	M2.5	0.45	15	2.8 x 2.1	2.8	3	50	9	2	5.0P	2.1	6H
SVDOM 0305050	M3	0.5	18	3.5 x 2.7	3.5	3	56	11	3	5.0P	2.5	6H
SVDOM 0407050	M4	0.7	21	4.5 x 3.4	4.5	4	63	13	3	5.0P	3.3	6H
SVDOM 0508050	M5	0.8	25	6 x 4.9	6	5	70	16	3	5.0P	4.2	6H
SVDOM 0610050	M6	1	30	6 x 4.9	6	6	80	19	3	5.0P	5	6H
SVDOM 0812550	M8	1.25	35	8 x 6.2	8	8	90	22	3	5.0P	6.8	6H
SVDOM 1015050	M10	1.5	39	10 x 8	10	10	100	24	3	5.0P	8.5	6H
SVDOM 1217550	M12	1.75	40	9 x 7	9	12	110	29	3	5.0P	10.2	6H
SVDOM 1420050	M14	2	45	11 x 9	11	14	110	30	3	5.0P	12	6H
SVDOM 1620050	M16	2	52	12 x 9	12	16	110	32	3	5.0P	14	6H
SVDOM 1825050	M18	2.5	55	14 x 11	14	18	125	34	3	5.0P	15.5	6H
SVDOM 2025050	M20	2.5	58	16 x 12	16	20	140	34	3	5.0P	17.5	6H
SVDOM 2225050	M22	2.5	63	18 x 14.5	18	22	140	34	3	5.0P	19.5	6H
SVDOM 2430050	M24	3	66	18 x 14.5	18	24	160	38	3	5.0P	21	6H
SVDOM 0405050	MF4	0.5	21	4.5 x 3.4	4.5	4	63	10	2	5.0P	3.5	6H
SVDOM 0505050	MF5	0.5	25	6 x 4.9	6	5	70	12	2	5.0P	4.5	6H
SVDOM 0607550	MF6	0.75	30	6 x 4.9	6	6	80	14	2	5.0P	5.3	6H
SVDOM 0807550	MF8	0.75	30	8 x 6.2	8	8	80	19	2	5.0P	7.3	6H
SVDOM 0810050	MF8	1	35	6 x 4.9	6	8	90	22	3	5.0P	7	6H

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

P										K		N										M		S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo-Setting Plastic	Thermo-Plastic	Stainless Steels	Titanium Alloys			
-SM25C	SM25C -SM45C	SM45C-	SCM	25-45 HRC	45-55 HRC	50-60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni		
											◎	◎	◎	◎	◎	◎	○	○	◎						

SVDOM

DIN HSSE Point Tap

Tap

DIN
TAP-
STAR

JIS
TAP-
STAR

EDP No	TDZ	TP	LU	CZC -MS	DCON -MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SVDOM 1007550	MF10	0.75	39	10 x 8	10	10	90	20	2	5.0P	9.3	6H
SVDOM 1010050	MF10	1	39	10 x 8	10	10	90	20	2	5.0P	9	6H
SVDOM 1012550	MF10	1.25	39	7 x 5.5	7	10	100	24	3	5.0P	8.8	6H
SVDOM 1210050	MF12	1	48	9 x 7	9	12	100	22	3	5.0P	11	6H
SVDOM 1212550	MF12	1.25	48	9 x 7	9	12	100	22	3	5.0P	10.8	6H
SVDOM 1215050	MF12	1.5	48	9 x 7	9	12	100	22	3	5.0P	10.5	6H
SVDOM 1410050	MF14	1	48	11 x 9	11	14	100	22	3	5.0P	13	6H
SVDOM 1415050	MF14	1.5	48	11 x 9	11	14	100	22	3	5.0P	12.5	6H
SVDOM 1610050	MF16	1	52	12 x 9	12	16	100	22	3	5.0P	15	6H
SVDOM 1615050	MF16	1.5	52	12 x 9	12	16	100	22	3	5.0P	14.5	6H
SVDOM 1815050	MF18	1.5	55	14 x 11	14	18	110	25	3	5.0P	16.5	6H
SVDOM 1820050	MF18	2	55	14 x 11	14	18	125	34	3	5.0P	16	6H
SVDOM 2015050	MF20	1.5	58	16 x 12	16	20	125	25	3	5.0P	18.5	6H
SVDOM 2215050	MF22	1.5	63	18 x 14.5	18	22	125	25	3	5.0P	20.5	6H
SVDOM 2415050	MF24	1.5	66	18 x 14.5	18	24	140	28	3	5.0P	22.5	6H
SVDOM 2420050	MF24	2	66	18 x 14.5	18	24	140	28	3	5.0P	22	6H

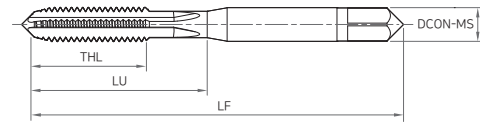
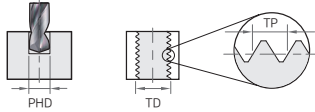
► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

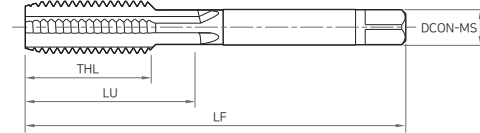
P										K		N										M		S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo Setting Plastic	Thermo Plastic	Stainless Steels	Titanium Alloys			
~SM25C	SM25C~SM45C	SM45C~	SCM	25~45 HRC	45~55 HRC	50~60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni		
											◎	◎	◎	◎	◎	◎	○	○	◎						

SVGAM DIN HSSE Straight Tap

Tap



M10/MF10 OR UNDER



M12/MF12 OVER



EDP No	TDZ	TP	LU	CZC -MS	DCON -MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SVGAM 0305015	M3	0.5	18	3.5 x 2.7	3.5	3	56	11	3	1.5P	2.5	6H
SVGAM 0407015	M4	0.7	21	4.5 x 3.4	4.5	4	63	13	3	1.5P	3.3	6H
SVGAM 0508015	M5	0.8	25	6 x 4.9	6	5	70	16	3	1.5P	4.2	6H
SVGAM 0610015	M6	1	30	6 x 4.9	6	6	80	19	3	1.5P	5	6H
SVGAM 0812515	M8	1.25	35	8 x 6.2	8	8	90	22	4	1.5P	6.8	6H
SVGAM 1015015	M10	1.5	39	10 x 8	10	10	100	24	4	1.5P	8.5	6H
SVGAM 1217515	M12	1.75	40	9 x 7	9	12	110	29	4	1.5P	10.2	6H
SVGAM 1420015	M14	2	45	11 x 9	11	14	110	30	4	1.5P	12	6H
SVGAM 1620015	M16	2	52	12 x 9	12	16	110	32	4	1.5P	14	6H
SVGAM 1825015	M18	2.5	55	14 x 11	14	18	125	34	4	1.5P	15.5	6H
SVGAM 2025015	M20	2.5	58	16 x 12	16	20	140	34	4	1.5P	17.5	6H
SVGAM 2225015	M22	2.5	63	18 x 14.5	18	22	140	34	4	1.5P	19.5	6H
SVGAM 2430015	M24	3	66	18 x 14.5	18	24	160	38	4	1.5P	21	6H
SVGAM 0810015	MF8	1	35	6 x 4.9	6	8	90	22	4	1.5P	7	6H
SVGAM 1010015	MF10	1	39	7 x 5.5	7	10	90	20	4	1.5P	9	6H
SVGAM 1012515	MF10	1.25	39	7 x 5.5	7	10	100	24	4	1.5P	8.8	6H
SVGAM 1210015	MF12	1	48	9 x 7	9	12	100	22	4	1.5P	11	6H
SVGAM 1212515	MF12	1.25	48	9 x 7	9	12	100	22	4	1.5P	10.8	6H
SVGAM 1215015	MF12	1.5	48	9 x 7	9	12	100	22	4	1.5P	10.5	6H
SVGAM 1415015	MF14	1.5	48	11 x 9	11	14	100	22	4	1.5P	12.5	6H

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

P									K		N										M	S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo-Setting Plastic	Thermo-Plastic	Stainless Steels	Titanium Alloys	
-SM25C	SM25C-SM45C	SM45C-	SCM	25-45 HRC	45-55 HRC	50-60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni
				○					◎														

EDP No	TDZ	TP	LU	CZC -MS	DCON -MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SVGAM 1615015	MF16	1.5	52	12 x 9	12	16	100	22	4	1.5P	14.5	6H
SVGAM 1815015	MF18	1.5	55	14 x 11	14	18	110	25	4	1.5P	16.5	6H
SVGAM 2015015	MF20	1.5	58	16 x 12	16	20	125	25	4	1.5P	18.5	6H
SVGAM 2215015	MF22	1.5	63	18 x 14.5	18	22	125	25	4	1.5P	20.5	6H
SVGAM 2415015	MF24	1.5	66	18 x 14.5	18	24	140	28	4	1.5P	22.5	6H
SVGAM 2420015	MF24	2	66	18 x 14.5	18	24	140	28	4	1.5P	22	6H
SVGAM 0305050	M3	0.5	18	3.5 x 2.7	3.5	3	56	11	3	5.0P	2.5	6H
SVGAM 0407050	M4	0.7	21	4.5 x 3.4	4.5	4	63	13	3	5.0P	3.3	6H
SVGAM 0508050	M5	0.8	25	6 x 4.9	6	5	70	16	3	5.0P	4.2	6H
SVGAM 0610050	M6	1	30	6 x 4.9	6	6	80	19	3	5.0P	5	6H
SVGAM 0812550	M8	1.25	35	8 x 6.2	8	8	90	22	4	5.0P	6.8	6H
SVGAM 1015050	M10	1.5	39	10 x 8	10	10	100	24	4	5.0P	8.5	6H
SVGAM 1217550	M12	1.75	40	9 x 7	9	12	110	29	4	5.0P	10.2	6H
SVGAM 1420050	M14	2	45	11 x 9	11	14	110	30	4	5.0P	12	6H
SVGAM 1620050	M16	2	52	12 x 9	12	16	110	32	4	5.0P	14	6H
SVGAM 1825050	M18	2.5	55	14 x 11	14	18	125	34	4	5.0P	15.5	6H
SVGAM 2025050	M20	2.5	58	16 x 12	16	20	140	34	4	5.0P	17.5	6H
SVGAM 2225050	M22	2.5	63	18 x 14.5	18	22	140	34	4	5.0P	19.5	6H
SVGAM 2430050	M24	3	66	18 x 14.5	18	24	160	38	4	5.0P	21	6H
SVGAM 0810050	MF8	1	35	6 x 4.9	6	8	90	22	4	5.0P	7	6H
SVGAM 1010050	MF10	1	39	7 x 5.5	7	10	90	20	4	5.0P	9	6H
SVGAM 1012550	MF10	1.25	39	7 x 5.5	7	10	100	24	4	5.0P	8.8	6H
SVGAM 1210050	MF12	1	48	9 x 7	9	12	100	22	4	5.0P	11	6H
SVGAM 1212550	MF12	1.25	48	9 x 7	9	12	100	22	4	5.0P	10.8	6H
SVGAM 1215050	MF12	1.5	48	9 x 7	9	12	100	22	4	5.0P	10.5	6H
SVGAM 1415050	MF14	1.5	48	11 x 9	11	14	100	22	4	5.0P	12.5	6H
SVGAM 1615050	MF16	1.5	52	12 x 9	12	16	100	22	4	5.0P	14.5	6H
SVGAM 1815050	MF18	1.5	55	14 x 11	14	18	110	25	4	5.0P	16.5	6H
SVGAM 2015050	MF20	1.5	58	16 x 12	16	20	125	25	4	5.0P	18.5	6H
SVGAM 2215050	MF22	1.5	63	18 x 14.5	18	22	125	25	4	5.0P	20.5	6H
SVGAM 2415050	MF24	1.5	66	18 x 14.5	18	24	140	28	4	5.0P	22.5	6H
SVGAM 2420050	MF24	2	66	18 x 14.5	18	24	140	28	4	5.0P	22	6H

► Applicable Working Material

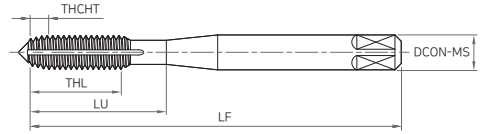
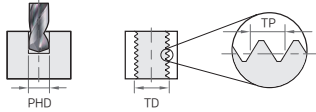
○ : GOOD ◎ : EXCELLENT

P										K		N										M	S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo-setting Plastic	Thermo-Plastic	Stainless Steels	Titanium Alloys		
~SM25C	SM25C ~SM45C	SM45C~	SCM	25~45 HRC	45~55 HRC	50~60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni	
					○				◎															

SVMOM

DIN HSSE Roll Tap

Tap



M6 OR UNDER



M8 OVER

※ 2.0P Tap is removed external center as bottoming type

DIN
371-374
376

HSSE

Bright

EDP No	TDZ	TP	LU	CZC-MS	DCON-MS	TD	LF	THL	NOF	TCL	PHD	TCTR	THCHT
SVMOM 0305020S	M3	0.5	18	3.5 x 2.7	3.5	3	56	11	S	2.0P	2.79	6HX	C
SVMOM 0407020S	M4	0.7	21	4.5 x 3.4	4.5	4	63	13	S	2.0P	3.68	6HX	C
SVMOM 0508020S	M5	0.8	25	6 x 4.9	6	5	70	15	S	2.0P	4.65	6HX	C
SVMOM 0610020S	M6	1	30	6 x 4.9	6	6	80	17	S	2.0P	5.53	6HX	C
SVMOM 0810020S	M8	1	34	6 x 4.9	6	8	90	17	S	2.0P	7.53	6HX	C
SVMOM 0812520S	M8	1.25	40	8 x 6.2	8	8	90	20	S	2.0P	7.38	6HX	C
SVMOM 1010020S	M10	1	39	7 x 5.5	7	10	90	18	S	2.0P	9.53	6HX	C
SVMOM 1012520S	M10	1.25	44	7 x 5.5	7	10	100	22	S	2.0P	9.38	6HX	C
SVMOM 1015020S	M10	1.5	44	10 x 8	10	10	100	22	S	2.0P	9.23	6HX	C
SVMOM 1210020S	M12	1	36	9 x 7	9	12	100	18	S	2.0P	11.53	6HX	C
SVMOM 1212520S	M12	1.25	44	9 x 7	9	12	100	22	S	2.0P	11.38	6HX	C
SVMOM 1215020S	M12	1.5	44	9 x 7	9	12	100	22	S	2.0P	11.24	6HX	C
SVMOM 1217520S	M12	1.75	48	9 x 7	9	12	110	24	S	2.0P	11.11	6HX	C
SVMOM 0305020M	M3	0.5	18	3.5 x 2.7	3.5	3	56	11	M	2.0P	2.79	6HX	C
SVMOM 0407020M	M4	0.7	21	4.5 x 3.4	4.5	4	63	13	M	2.0P	3.68	6HX	C
SVMOM 0508020M	M5	0.8	25	6 x 4.9	6	5	70	15	M	2.0P	4.65	6HX	C
SVMOM 0610020M	M6	1	30	6 x 4.9	6	6	80	17	M	2.0P	5.53	6HX	C
SVMOM 0810020M	M8	1	34	6 x 4.9	6	8	90	17	M	2.0P	7.53	6HX	C
SVMOM 0812520M	M8	1.25	40	8 x 6.2	8	8	90	20	M	2.0P	7.38	6HX	C
SVMOM 1010020M	M10	1	39	7 x 5.5	7	10	90	18	M	2.0P	9.53	6HX	C

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

P							K		N										M	S			
Carbon Steel		Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo-Setting Plastic	Thermo-Plastic	Stainless Steels	Titanium Alloys		
-SM25C	SM25C -SM45C	SM45C-	SCM	25-45 HRC	45-55 HRC	50-60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni
○	○										○	○	○	○	○	◎		○					

SVMOM

DIN HSSE Roll Tap

Tap

EDP No	TDZ	TP	LU	CZC -MS	DCON -MS	TD	LF	THL	NOF	TCL	PHD	TCTR	THCHT
SVMOM 1012520M	M10	1.25	44	7 x 5.5	7	10	100	22	M	2.0P	9.38	6HX	C
SVMOM 1015020M	M10	1.5	44	10 x 8	10	10	100	22	M	2.0P	9.23	6HX	C
SVMOM 1210020M	M12	1	36	9 x 7	9	12	100	18	M	2.0P	11.53	6HX	C
SVMOM 1212520M	M12	1.25	44	9 x 7	9	12	100	22	M	2.0P	11.38	6HX	C
SVMOM 1215020M	M12	1.5	44	9 x 7	9	12	100	22	M	2.0P	11.24	6HX	C
SVMOM 1217520M	M12	1.75	48	9 x 7	9	12	110	24	M	2.0P	11.11	6HX	C
SVMOM 0305040M	M3	0.5	18	3.5 x 2.7	3.5	3	56	11	M	4.0P	2.79	6HX	B
SVMOM 0407040M	M4	0.7	21	4.5 x 3.4	4.5	4	63	13	M	4.0P	3.68	6HX	B
SVMOM 0508040M	M5	0.8	25	6 x 4.9	6	5	70	15	M	4.0P	4.65	6HX	B
SVMOM 0610040M	M6	1	30	6 x 4.9	6	6	80	17	M	4.0P	5.53	6HX	B
SVMOM 0810040M	M8	1	34	6 x 4.9	6	8	90	17	M	4.0P	7.53	6HX	B
SVMOM 0812540M	M8	1.25	40	8 x 6.2	8	8	90	20	M	4.0P	7.38	6HX	B
SVMOM 1010040M	M10	1	39	7 x 5.5	7	10	90	18	M	4.0P	9.53	6HX	B
SVMOM 1012540M	M10	1.25	44	7 x 5.5	7	10	100	22	M	4.0P	9.38	6HX	B
SVMOM 1015040M	M10	1.5	44	10 x 8	10	10	100	22	M	4.0P	9.23	6HX	B
SVMOM 1210040M	M12	1	36	9 x 7	9	12	100	18	M	4.0P	11.53	6HX	B
SVMOM 1212540M	M12	1.25	44	9 x 7	9	12	100	22	M	4.0P	11.38	6HX	B
SVMOM 1215040M	M12	1.5	44	9 x 7	9	12	100	22	M	4.0P	11.24	6HX	B
SVMOM 1217540M	M12	1.75	48	9 x 7	9	12	110	24	M	4.0P	11.11	6HX	B

* Chamfer Lead : C - 2~3Thread, B - 4~5Thread, E - 1.5~2Thread

* Oil groove S : 1 Oil groove, Oil groove M : 4 Oil groove

DIN
TAP-
STAR

JIS
TAP-
STAR

► Applicable Working Material

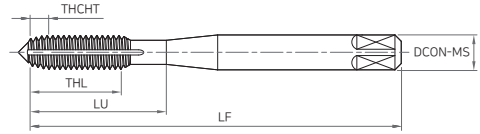
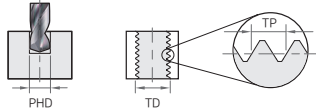
○ : GOOD ◎ : EXCELLENT

P										K		N										M	S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo Setting Plastic	Thermo Plastic	Stainless Steels	Titanium Alloys		
~SM25C	SM25C~SM45C	SM45C~	SCM	25~45 HRC	45~55 HRC	50~60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni	
○	○										○	○	○	○	○	◎		○						

SVMTM

DIN HSSE Roll Tap

Tap



M6 OR UNDER



M8 OVER

※ 2.0P Tap is removed external center as bottoming type

DIN
371-374
376

HSSE

TiN

EDP No	TDZ	TP	LU	CZC-MS	DCON-MS	TD	LF	THL	NOF	TCL	PHD	TCTR	THCHT
SVMTM 0305020S	M3	0.5	18	3.5 x 2.7	3.5	3	56	11	S	2.0P	2.79	6HX	C
SVMTM 0407020S	M4	0.7	21	4.5 x 3.4	4.5	4	63	13	S	2.0P	3.68	6HX	C
SVMTM 0508020S	M5	0.8	25	6 x 4.9	6	5	70	15	S	2.0P	4.65	6HX	C
SVMTM 0610020S	M6	1	30	6 x 4.9	6	6	80	17	S	2.0P	5.53	6HX	C
SVMTM 0810020S	M8	1	34	6 x 4.9	6	8	90	17	S	2.0P	7.53	6HX	C
SVMTM 0812520S	M8	1.25	40	8 x 6.2	8	8	90	20	S	2.0P	7.38	6HX	C
SVMTM 1010020S	M10	1	39	7 x 5.5	7	10	90	18	S	2.0P	9.53	6HX	C
SVMTM 1012520S	M10	1.25	44	9 x 5.5	9	10	100	22	S	2.0P	9.38	6HX	C
SVMTM 1015020S	M10	1.5	44	10 x 8	10	10	100	22	S	2.0P	9.23	6HX	C
SVMTM 1210020S	M12	1	36	9 x 7	9	12	100	18	S	2.0P	11.53	6HX	C
SVMTM 1212520S	M12	1.25	44	9 x 7	9	12	100	22	S	2.0P	11.38	6HX	C
SVMTM 1215020S	M12	1.5	44	9 x 7	9	12	100	22	S	2.0P	11.24	6HX	C
SVMTM 1217520S	M12	1.75	48	9 x 7	9	12	110	24	S	2.0P	11.11	6HX	C
SVMTM 0305020M	M3	0.5	18	3.5 x 2.7	3.5	3	56	11	M	2.0P	2.79	6HX	C
SVMTM 0407020M	M4	0.7	21	4.5 x 3.4	4.5	4	63	13	M	2.0P	3.68	6HX	C
SVMTM 0508020M	M5	0.8	25	6 x 4.9	6	5	70	15	M	2.0P	4.65	6HX	C
SVMTM 0610020M	M6	1	30	6 x 4.9	6	6	80	17	M	2.0P	5.53	6HX	C
SVMTM 0810020M	M8	1	34	6 x 4.9	6	8	90	17	M	2.0P	7.53	6HX	C
SVMTM 0812520M	M8	1.25	40	8 x 6.2	8	8	90	20	M	2.0P	7.38	6HX	C
SVMTM 1010020M	M10	1	39	7 x 5.5	7	10	90	18	M	2.0P	9.53	6HX	C

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

P									K		N											M	S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo-Setting Plastic	Thermo-Plastic	Stainless Steels	Titanium Alloys		
-SM25C	SM25C-SM45C	SM45C-	SCM	25-45 HRC	45-55 HRC	50-60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni	
○	○										○	○	○	○	○	◎		○						

SVMTM

DIN HSSE Roll Tap

Tap

DIN
TAP-
STAR

JIS
TAP-
STAR

EDP No	TDZ	TP	LU	CZC -MS	DCON -MS	TD	LF	THL	NOF	TCL	PHD	TCTR	THCHT
SVMTM 1012520M	M10	1.25	44	7 x 5.5	7	10	100	22	M	2.0P	9.38	6HX	C
SVMTM 1015020M	M10	1.5	44	10 x 8	10	10	100	22	M	2.0P	9.23	6HX	C
SVMTM 1210020M	M12	1	36	9 x 7	9	12	100	18	M	2.0P	11.53	6HX	C
SVMTM 1212520M	M12	1.25	44	9 x 7	9	12	100	22	M	2.0P	11.38	6HX	C
SVMTM 1215020M	M12	1.5	44	9 x 7	9	12	100	22	M	2.0P	11.24	6HX	C
SVMTM 1217520M	M12	1.75	48	9 x 7	9	12	110	24	M	2.0P	11.11	6HX	C
SVMTM 0305040M	M3	0.5	18	3.5 x 2.7	3.5	3	56	11	M	4.0P	2.79	6HX	B
SVMTM 0407040M	M4	0.7	21	4.5 x 3.4	4.5	4	63	13	M	4.0P	3.68	6HX	B
SVMTM 0508040M	M5	0.8	25	6 x 4.9	6	5	70	15	M	4.0P	4.65	6HX	B
SVMTM 0610040M	M6	1	30	6 x 4.9	6	6	80	17	M	4.0P	5.53	6HX	B
SVMTM 0810040M	M8	1	34	6 x 4.9	6	8	90	17	M	4.0P	7.53	6HX	B
SVMTM 0812540M	M8	1.25	40	8 x 6.2	8	8	90	20	M	4.0P	7.38	6HX	B
SVMTM 1010040M	M10	1	39	7 x 5.5	7	10	90	18	M	4.0P	9.53	6HX	B
SVMTM 1012540M	M10	1.25	44	7 x 5.5	7	10	100	22	M	4.0P	9.38	6HX	B
SVMTM 1015040M	M10	1.5	44	10 x 8	10	10	100	22	M	4.0P	9.23	6HX	B
SVMTM 1210040M	M12	1	36	9 x 7	9	12	100	18	M	4.0P	11.53	6HX	B
SVMTM 1212540M	M12	1.25	44	9 x 7	9	12	100	22	M	4.0P	11.38	6HX	B
SVMTM 1215040M	M12	1.5	44	9 x 7	9	12	100	22	M	4.0P	11.24	6HX	B
SVMTM 1217540M	M12	1.75	48	9 x 7	9	12	110	24	M	4.0P	11.11	6HX	B

* Chamfer Lead : C - 2~3Thread, B - 4~5Thread, E - 1.5~2Thread

* Oil groove S : 1 Oil groove, Oil groove M : 4 Oil groove

► Applicable Working Material

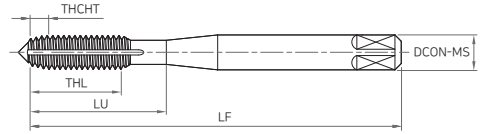
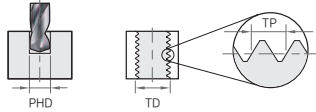
○ : GOOD ◎ : EXCELLENT

P										K		N										M	S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo Setting Plastic	Thermo Plastic	Stainless Steels	Titanium Alloys		
~SM25C	SM25C~SM45C	SM45C~	SCM	25~45 HRC	45~55 HRC	50~60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni	
○	○										○	○	○	○	○	◎		○						

SVMCM

DIN HSSE Roll Tap

Tap



M6 OR UNDER



M8 OVER

※ 2.0P Tap is removed external center as bottoming type

DIN
371-374
376

HSSE

TiCN

EDP No	TDZ	TP	LU	CZC-MS	DCON-MS	TD	LF	THL	NOF	TCL	PHD	TCTR	THCHT
SVMCM 0305020S	M3	0.5	18	3.5 x 2.7	3.5	3	56	11	S	2.0P	2.79	6HX	C
SVMCM 0407020S	M4	0.7	21	4.5 x 3.4	4.5	4	63	13	S	2.0P	3.68	6HX	C
SVMCM 0508020S	M5	0.8	25	6 x 4.9	6	5	70	15	S	2.0P	4.65	6HX	C
SVMCM 0610020S	M6	1	30	6 x 4.9	6	6	80	17	S	2.0P	5.53	6HX	C
SVMCM 0810020S	M8	1	34	6 x 4.9	6	8	90	17	S	2.0P	7.53	6HX	C
SVMCM 0812520S	M8	1.25	40	8 x 6.2	8	8	90	20	S	2.0P	7.38	6HX	C
SVMCM 1010020S	M10	1	39	7 x 5.5	7	10	90	18	S	2.0P	9.53	6HX	C
SVMCM 1012520S	M10	1.25	44	7 x 5.5	7	10	100	22	S	2.0P	9.38	6HX	C
SVMCM 1015020S	M10	1.5	44	10 x 8	10	10	100	22	S	2.0P	9.23	6HX	C
SVMCM 1210020S	M12	1	36	9 x 7	9	12	100	18	S	2.0P	11.53	6HX	C
SVMCM 1212520S	M12	1.25	44	9 x 7	9	12	100	22	S	2.0P	11.38	6HX	C
SVMCM 1215020S	M12	1.5	44	9 x 7	9	12	100	22	S	2.0P	11.24	6HX	C
SVMCM 1217520S	M12	1.75	48	9 x 7	9	12	110	24	S	2.0P	11.11	6HX	C
SVMCM 0305020M	M3	0.5	18	3.5 x 2.7	3.5	3	56	11	M	2.0P	2.79	6HX	C
SVMCM 0407020M	M4	0.7	21	4.5 x 3.4	4.5	4	63	13	M	2.0P	3.68	6HX	C
SVMCM 0508020M	M5	0.8	25	6 x 4.9	6	5	70	15	M	2.0P	4.65	6HX	C
SVMCM 0610020M	M6	1	30	6 x 4.9	6	6	80	17	M	2.0P	5.53	6HX	C
SVMCM 0810020M	M8	1	34	6 x 4.9	6	8	90	17	M	2.0P	7.53	6HX	C
SVMCM 0812520M	M8	1.25	40	8 x 6.2	8	8	90	20	M	2.0P	7.38	6HX	C
SVMCM 1010020M	M10	1	39	7 x 5.5	7	10	90	18	M	2.0P	9.53	6HX	C

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

P							K		N										M	S			
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo-Setting Plastic	Thermo-Plastic	Stainless Steels	Titanium Alloys	
-SM25C	SM25C -SM45C	SM45C-	SCM	25-45 HRC	45-55 HRC	50-60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni
○	○										○	○	○	○	○	◎		○					

SVMCM

DIN HSSE Roll Tap

Tap

EDP No	TDZ	TP	LU	CZC -MS	DCON -MS	TD	LF	THL	NOF	TCL	PHD	TCTR	THCHT
SVMCM 1012520M	M10	1.25	44	7 x 5.5	7	10	100	22	M	2.0P	9.38	6HX	C
SVMCM 1015020M	M10	1.5	44	10 x 8	10	10	100	22	M	2.0P	9.23	6HX	C
SVMCM 1210020M	M12	1	36	9 x 7	9	12	100	18	M	2.0P	11.53	6HX	C
SVMCM 1212520M	M12	1.25	44	9 x 7	9	12	100	22	M	2.0P	11.38	6HX	C
SVMCM 1215020M	M12	1.5	44	9 x 7	9	12	100	22	M	2.0P	11.24	6HX	C
SVMCM 1217520M	M12	1.75	48	9 x 7	9	12	110	24	M	2.0P	11.11	6HX	C
SVMCM 0305040M	M3	0.5	18	3.5 x 2.7	3.5	3	56	11	M	4.0P	2.79	6HX	B
SVMCM 0407040M	M4	0.7	21	4.5 x 3.4	4.5	4	63	13	M	4.0P	3.68	6HX	B
SVMCM 0508040M	M5	0.8	25	6 x 4.9	6	5	70	15	M	4.0P	4.65	6HX	B
SVMCM 0610040M	M6	1	30	6 x 4.9	6	6	80	17	M	4.0P	5.53	6HX	B
SVMCM 0810040M	M8	1	34	6 x 4.9	6	8	90	17	M	4.0P	7.53	6HX	B
SVMCM 0812540M	M8	1.25	40	8 x 6.2	8	8	90	20	M	4.0P	7.38	6HX	B
SVMCM 1010040M	M10	1	39	7 x 5.5	7	10	90	18	M	4.0P	9.53	6HX	B
SVMCM 1012540M	M10	1.25	44	7 x 5.5	7	10	100	22	M	4.0P	9.38	6HX	B
SVMCM 1015040M	M10	1.5	44	10 x 8	10	10	100	22	M	4.0P	9.23	6HX	B
SVMCM 1210040M	M12	1	36	9 x 7	9	12	100	18	M	4.0P	11.53	6HX	B
SVMCM 1212540M	M12	1.25	44	9 x 7	9	12	100	22	M	4.0P	11.38	6HX	B
SVMCM 1215040M	M12	1.5	44	9 x 7	9	12	100	22	M	4.0P	11.24	6HX	B
SVMCM 1217540M	M12	1.75	48	9 x 7	9	12	110	24	M	4.0P	11.11	6HX	B

* Chamfer Lead : C - 2~3Thread, B - 4~5Thread, E - 1.5~2Thread

* Oil groove S : 1 Oil groove, Oil groove M : 4 Oil groove

DIN
TAP-
STAR

JIS
TAP-
STAR

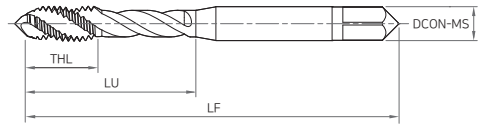
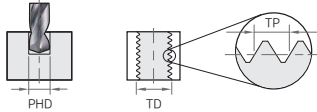
► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

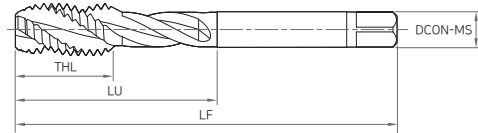
P										K		N										M		S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo Setting Plastic	Thermo Plastic	Stainless Steels	Titanium Alloys			
~SM25C	SM25C~SM45C	SM45C~	SCM	25~45 HRC	45~55 HRC	50~60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni		
○	○										○	○	○	○	○	◎		○							

SWQOM DIN Carbide Spiral Tap

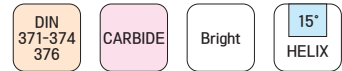
Tap



M6 OR UNDER



M8 OVER



EDP No	TDZ	TP	LU	CZC -MS	DCON -MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SWQOM 0305025	M3	0.5	18	3.5 x 2.7	3.5	3	56	11	3	2.5P	2.5	6H
SWQOM 0407025	M4	0.7	21	4.5 x 3.4	4.5	4	63	13	3	2.5P	3.3	6H
SWQOM 0508025	M5	0.8	25	6 x 4.9	6	5	70	15	3	2.5P	4.2	6H
SWQOM 0610025	M6	1	30	6 x 4.9	6	6	80	17	3	2.5P	5	6H
SWQOM 0810025	M8	1	34	6 x 4.9	6	8	90	17	3	2.5P	7	6H
SWQOM 0812525	M8	1.25	40	8 x 6.2	8	8	90	20	3	2.5P	6.8	6H
SWQOM 1010025	M10	1	39	7 x 5.5	7	10	100	18	3	2.5P	9	6H
SWQOM 1012525	M10	1.25	44	7 x 5.5	7	10	100	22	3	2.5P	8.8	6H
SWQOM 1015025	M10	1.5	44	10 x 8	10	10	100	22	3	2.5P	8.5	6H
SWQOM 1210025	M12	1	44	9 x 7	9	12	100	22	3	2.5P	11	6H
SWQOM 1212525	M12	1.25	44	9 x 7	9	12	100	22	3	2.5P	10.8	6H
SWQOM 1215025	M12	1.5	44	9 x 7	9	12	100	22	3	2.5P	10.5	6H
SWQOM 1217525	M12	1.75	48	9 x 7	9	12	110	24	3	2.5P	10.2	6H

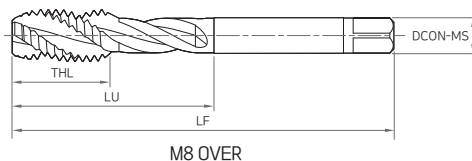
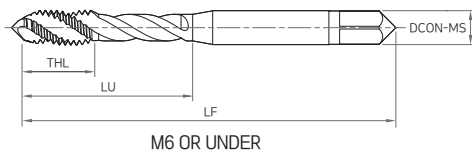
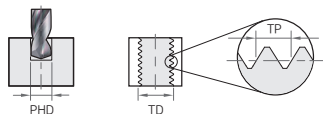
► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

P										K		N										M	S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo-Setting Plastic	Thermo-Plastic	Stainless Steels	Titanium Alloys		
~SM25C	SM25C~SM45C	SM45C~	SCM	25~45 HRC	45~55 HRC	50~60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni	
◎	◎	◎	◎	○				◎	○	○					◎	◎								

SWQCM DIN Carbide Spiral Tap

Tap



DIN
TAP-
STAR

JIS
TAP-
STAR

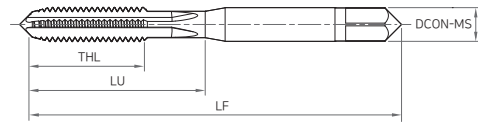
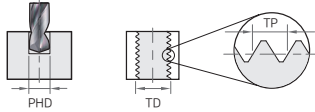


EDP No	TDZ	TP	LU	CZC-MS	DCON-MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SWQCM 0305025	M3	0.5	18	3.5 x 2.7	3.5	3	56	11	3	2.5P	2.5	6H
SWQCM 0407025	M4	0.7	21	4.5 x 3.4	4.5	4	63	13	3	2.5P	3.3	6H
SWQCM 0508025	M5	0.8	25	6 x 4.9	6	5	70	15	3	2.5P	4.2	6H
SWQCM 0610025	M6	1	30	6 x 4.9	6	6	80	17	3	2.5P	5	6H
SWQCM 0810025	M8	1	34	6 x 4.9	6	8	90	17	3	2.5P	7	6H
SWQCM 0812525	M8	1.25	40	8 x 6.2	8	8	90	20	3	2.5P	6.8	6H
SWQCM 1010025	M10	1	39	7 x 5.5	7	10	100	18	3	2.5P	9	6H
SWQCM 1012525	M10	1.25	44	7 x 5.5	7	10	100	22	3	2.5P	8.8	6H
SWQCM 1015025	M10	1.5	44	10 x 8	10	10	100	22	3	2.5P	8.5	6H
SWQCM 1210025	M12	1	44	9 x 7	9	12	100	18	3	2.5P	11	6H
SWQCM 1212525	M12	1.25	44	9 x 7	9	12	100	22	3	2.5P	10.8	6H
SWQCM 1215025	M12	1.5	44	9 x 7	9	12	100	22	3	2.5P	10.5	6H
SWQCM 1217525	M12	1.75	48	9 x 7	9	12	110	24	3	2.5P	10.2	6H

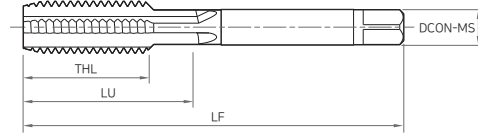
► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

P										K		N										M		S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo Setting Plastic	Thermo Plastic	Stainless Steels	Titanium Alloys			
~SM25C	SM25C~SM45C	SM45C~	SCM	25~45 HRC	45~55 HRC	50~60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni		
○	○	◎	◎	○	◎	◎	◎	◎	○	○															



M6 OR UNDER



M8 OVER

* ≤M6, 1.5P Tap is removed external center as bottoming type

DIN
371-374
376

CARBIDE

Bright

EDP No	TDZ	TP	LU	CZC -MS	DCON -MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SWGOM 0305015	M3	0.5	18	3.5 x 2.7	3.5	3	56	11	3	1.5P	2.5	6H
SWGOM 0407015	M4	0.7	21	4.5 x 3.4	4.5	4	63	13	3	1.5P	3.3	6H
SWGOM 0508015	M5	0.8	25	6 x 4.9	6	5	70	15	3	1.5P	4.2	6H
SWGOM 0610015	M6	1	30	6 x 4.9	6	6	80	17	3	1.5P	5	6H
SWGOM 0810015	M8	1	34	6 x 4.9	6	8	90	17	4	1.5P	7	6H
SWGOM 0812515	M8	1.25	40	8 x 6.2	8	8	90	20	4	1.5P	6.8	6H
SWGOM 1010015	M10	1	39	7 x 5.5	7	10	100	18	4	1.5P	9	6H
SWGOM 1015015	M10	1.5	44	10 x 8	10	10	100	22	4	1.5P	8.5	6H
SWGOM 1012515	M10	1.25	44	7 x 5.5	7	10	100	22	4	1.5P	8.8	6H
SWGOM 1210015	M12	1	44	9 x 7	9	12	100	18	4	1.5P	11	6H
SWGOM 1212515	M12	1.25	44	9 x 7	9	12	100	22	4	1.5P	10.8	6H
SWGOM 1215015	M12	1.5	44	9 x 7	9	12	100	22	4	1.5P	10.5	6H
SWGOM 1217515	M12	1.75	48	9 x 7	9	12	110	24	4	1.5P	10.2	6H
SWGOM 0305050	M3	0.5	18	3.5 x 2.7	3.5	3	56	11	3	5.0P	2.5	6H
SWGOM 0407050	M4	0.7	21	4.5 x 3.4	4.5	4	63	13	3	5.0P	3.3	6H
SWGOM 0508050	M5	0.8	25	6 x 4.9	6	5	70	15	3	5.0P	4.2	6H
SWGOM 0610050	M6	1	30	6 x 4.9	6	6	80	17	3	5.0P	5	6H
SWGOM 0810050	M8	1	34	6 x 4.9	6	8	90	17	4	5.0P	7	6H
SWGOM 0812550	M8	1.25	40	8 x 6.2	8	8	90	20	4	5.0P	6.8	6H
SWGOM 1010050	M10	1	39	7 x 5.5	7	10	100	18	4	5.0P	9	6H

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

P									K		N											M	S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo-Setting Plastic	Thermo-Plastic	Stainless Steels	Titanium Alloys		
-SM25C	SM25C-SM45C	SM45C-	SCM	25-45 HRC	45-55 HRC	50-60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni	
○	○	○	○	○				○	◎	◎						◎	◎							

SWGOM

DIN Carbide Straight Tap

Tap

EDP No	TDZ	TP	LU	CZC-MS	DCON-MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SWGOM 1012550	M10	1.25	44	7 x 5.5	7	10	100	22	4	5.0P	8.8	6H
SWGOM 1015050	M10	1.5	44	10 x 8	10	10	100	22	4	5.0P	8.5	6H
SWGOM 1210050	M12	1	44	9 x 7	9	12	100	18	4	5.0P	11	6H
SWGOM 1212550	M12	1.25	44	9 x 7	9	12	100	22	4	5.0P	10.8	6H
SWGOM 1215050	M12	1.5	44	9 x 7	9	12	100	22	4	5.0P	10.5	6H
SWGOM 1217550	M12	1.75	48	9 x 7	9	12	110	24	4	5.0P	10.2	6H

DIN
TAP-
STAR

JIS
TAP-
STAR

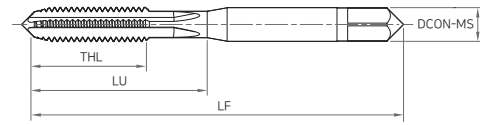
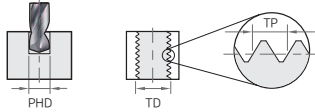
► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

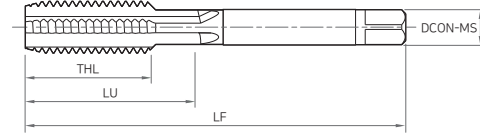
P										K		N										M		S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum, Alloy Casting	Magnesium, Alloy Casting	Zinc, Alloy Casting	Thermo, Setting Plastic	Thermo, Plastic	Stainless Steels	Titanium Alloys			
~SM25C	SM25C ~SM45C	SM45C~	SCM	25~45 HRC	45~55 HRC	50~60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni		
○	○	○	○	○				○	◎	◎						◎	◎								

SWGCM DIN Carbide Straight Tap

Tap



M6 OR UNDER



M8 OVER

* ≤M6, 1.5P Tap is removed external center as bottoming type

DIN
371-374
376

CARBIDE

TiCN

EDP No	TDZ	TP	LU	CZC -MS	DCON -MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SWGCM 0305015	M3	0.5	18	3.5 x 2.7	3.5	3	56	11	3	1.5P	2.5	6H
SWGCM 0407015	M4	0.7	21	4.5 x 3.4	4.5	4	63	13	3	1.5P	3.3	6H
SWGCM 0508015	M5	0.8	25	6 x 4.9	6	5	70	15	3	1.5P	4.2	6H
SWGCM 0610015	M6	1	30	6 x 4.9	6	6	80	17	3	1.5P	5	6H
SWGCM 0812515	M8	1.25	40	8 x 6.2	8	8	90	20	4	1.5P	6.8	6H
SWGCM 0810015	M8	1	34	6 x 4.9	6	8	90	17	4	1.5P	7	6H
SWGCM 1010015	M10	1	39	7 x 5.5	7	10	100	18	4	1.5P	9	6H
SWGCM 1012515	M10	1.25	44	7 x 5.5	7	10	100	22	4	1.5P	8.8	6H
SWGCM 1015015	M10	1.5	44	10 x 8	10	10	100	22	4	1.5P	8.5	6H
SWGCM 1210015	M12	1	44	9 x 7	9	12	100	18	4	1.5P	11	6H
SWGCM 1212515	M12	1.25	44	9 x 7	9	12	100	22	4	1.5P	10.8	6H
SWGCM 1215015	M12	1.5	44	9 x 7	9	12	100	22	4	1.5P	10.5	6H
SWGCM 1217515	M12	1.75	48	9 x 7	9	12	110	24	4	1.5P	10.2	6H
SWGCM 0305050	M3	0.5	18	3.5 x 2.7	3.5	3	56	11	3	5.0P	2.5	6H
SWGCM 0407050	M4	0.7	21	4.5 x 3.4	4.5	4	63	13	3	5.0P	3.3	6H
SWGCM 0508050	M5	0.8	25	6 x 4.9	6	5	70	15	3	5.0P	4.2	6H
SWGCM 0610050	M6	1	30	6 x 4.9	6	6	80	17	3	5.0P	5	6H
SWGCM 0810050	M8	1	34	6 x 4.9	6	8	90	17	4	5.0P	7	6H
SWGCM 0812550	M8	1.25	40	8 x 6.2	8	8	90	20	4	5.0P	6.8	6H
SWGCM 1010050	M10	1	39	7 x 5.5	7	10	100	18	4	5.0P	9	6H

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

P									K		N											M	S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo-Setting Plastic	Thermo-Plastic	Stainless Steels	Titanium Alloys		
~SM25C	SM25C~SM45C	SM45C~	SCM	25~45 HRC	45~55 HRC	50~60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni	
					○	○	○	○	◎	◎														

SWGCM

DIN Carbide Straight Tap

Tap

EDP No	TDZ	TP	LU	CZC -MS	DCON -MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SWGCM 1012550	M10	1.25	44	7 x 5.5	7	10	100	22	4	5.0P	8.8	6H
SWGCM 1015050	M10	1.5	44	10 x 8	10	10	100	22	4	5.0P	8.5	6H
SWGCM 1210050	M12	1	44	9 x 7	9	12	100	18	4	5.0P	11	6H
SWGCM 1212550	M12	1.25	44	9 x 7	9	12	100	22	4	5.0P	10.8	6H
SWGCM 1215050	M12	1.5	44	9 x 7	9	12	100	22	4	5.0P	10.5	6H
SWGCM 1217550	M12	1.75	48	9 x 7	9	12	110	24	4	5.0P	10.2	6H

DIN
TAP-
STAR

JIS
TAP-
STAR

► Applicable Working Material

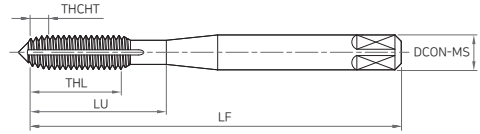
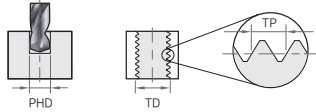
○ : GOOD ◎ : EXCELLENT

P										K		N										M		S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum, Alloy Casting	Magnesium, Alloy Casting	Zinc, Alloy Casting	Thermo, Setting Plastic	Thermo, Plastic	Stainless Steels	Titanium Alloys			
~SM25C	SM25C ~SM45C	SM45C~	SCM	25~45 HRC	45~55 HRC	50~60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni		
					○	○	○	○	○	◎	◎														

SWMOM

DIN Carbide Roll Tap

Tap



M6 OR UNDER



M8 OVER

※ 2.0P Tap is removed external center as bottoming type



EDP No	TDZ	TP	LU	CZC-MS	DCON-MS	TD	LF	THL	NOF	TCL	PHD	TCTR	THCHT
SWMOM 0305020S	M3	0.5	18	3.5 x 2.7	3.5	3	56	11	S	2.0P	2.79	6HX	C
SWMOM 0407020S	M4	0.7	21	4.5 x 3.4	4.5	4	63	13	S	2.0P	3.68	6HX	C
SWMOM 0508020S	M5	0.8	25	6 x 4.9	6	5	70	15	S	2.0P	4.65	6HX	C
SWMOM 0610020S	M6	1	30	6 x 4.9	6	6	80	17	S	2.0P	5.53	6HX	C
SWMOM 0810020S	M8	1	34	6 x 4.9	6	8	90	17	S	2.0P	7.53	6HX	C
SWMOM 0812520S	M8	1.25	40	8 x 6.2	8	8	90	20	S	2.0P	7.38	6HX	C
SWMOM 1010020S	M10	1	39	7 x 5.5	7	10	90	18	S	2.0P	9.53	6HX	C
SWMOM 1012520S	M10	1.25	44	7 x 5.5	7	10	100	22	S	2.0P	9.38	6HX	C
SWMOM 1015020S	M10	1.5	44	10 x 8	10	10	100	22	S	2.0P	9.23	6HX	C
SWMOM 1210020S	M12	1	36	9 x 7	9	12	100	18	S	2.0P	11.53	6HX	C
SWMOM 1212520S	M12	1.25	44	9 x 7	9	12	100	22	S	2.0P	11.38	6HX	C
SWMOM 1215020S	M12	1.5	44	9 x 7	9	12	100	22	S	2.0P	11.24	6HX	C
SWMOM 1217520S	M12	1.75	48	9 x 7	9	12	110	24	S	2.0P	11.11	6HX	C
SWMOM 0305020M	M3	0.5	18	3.5 x 2.7	3.5	3	56	11	S	2.0P	2.79	6HX	C
SWMOM 0407020M	M4	0.7	21	4.5 x 3.4	4.5	4	63	13	S	2.0P	3.68	6HX	C
SWMOM 0508020M	M5	0.8	25	6 x 4.9	6	5	70	15	S	2.0P	4.65	6HX	C
SWMOM 0610020M	M6	1	30	6 x 4.9	6	6	80	17	S	2.0P	5.53	6HX	C
SWMOM 0810020M	M8	1	34	6 x 4.9	6	8	90	17	S	2.0P	7.53	6HX	C
SWMOM 0812520M	M8	1.25	40	8 x 6.2	8	8	90	20	S	2.0P	7.38	6HX	C
SWMOM 1010020M	M10	1	39	7 x 5.5	7	10	90	18	S	2.0P	9.53	6HX	C

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

P							K		N											M	S		
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo-Setting Plastic	Thermo-Plastic	Stainless Steels	Titanium Alloys	
-SM25C	SM25C-SM45C	SM45C-	SCM	25-45 HRC	45-55 HRC	50-60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni
○	○										◎	◎	◎	◎	◎	◎		◎					

EDP No	TDZ	TP	LU	CZC -MS	DCON -MS	TD	LF	THL	NOF	TCL	PHD	TCTR	THCHT
SWMOM 1012520M	M10	1.25	44	7 x 5.5	7	10	100	22	S	2.0P	9.38	6HX	C
SWMOM 1015020M	M10	1.5	44	10 x 8	10	10	100	22	S	2.0P	9.23	6HX	C
SWMOM 1210020M	M12	1	36	9 x 7	9	12	100	18	S	2.0P	11.53	6HX	C
SWMOM 1212520M	M12	1.25	44	9 x 7	9	12	100	22	S	2.0P	11.38	6HX	C
SWMOM 1215020M	M12	1.5	44	9 x 7	9	12	100	22	S	2.0P	11.24	6HX	C
SWMOM 1217520M	M12	1.75	48	9 x 7	9	12	110	24	S	2.0P	11.11	6HX	C
SWMOM 0305040M	M3	0.5	18	3.5 x 2.7	3.5	3	56	11	S	4.0P	2.79	6HX	B
SWMOM 0407040M	M4	0.7	21	4.5 x 3.4	4.5	4	63	13	S	4.0P	3.68	6HX	B
SWMOM 0508040M	M5	0.8	25	6 x 4.9	6	5	70	15	S	4.0P	4.65	6HX	B
SWMOM 0610040M	M6	1	30	6 x 4.9	6	6	80	17	S	4.0P	5.53	6HX	B
SWMOM 0810040M	M8	1	34	6 x 4.9	6	8	90	17	S	4.0P	7.53	6HX	B
SWMOM 0812540M	M8	1.25	40	8 x 6.2	8	8	90	20	S	4.0P	7.38	6HX	B
SWMOM 1010040M	M10	1	39	7 x 5.5	7	10	90	18	S	4.0P	9.53	6HX	B
SWMOM 1012540M	M10	1.25	44	7 x 5.5	7	10	100	22	S	4.0P	9.38	6HX	B
SWMOM 1015040M	M10	1.5	44	10 x 8	10	10	100	22	S	4.0P	9.23	6HX	B
SWMOM 1210040M	M12	1	36	9 x 7	9	12	100	18	S	4.0P	11.53	6HX	B
SWMOM 1212540M	M12	1.25	44	9 x 7	9	12	100	22	S	4.0P	11.38	6HX	B
SWMOM 1215040M	M12	1.5	44	9 x 7	9	12	100	22	S	4.0P	11.24	6HX	B
SWMOM 1217540M	M12	1.75	48	9 x 7	9	12	110	24	S	4.0P	11.11	6HX	B

* Chamfer Lead : C - 2~3Thread, B - 4~5Thread, E - 1.5~2Thread

* Oil groove S : 1 Oil groove, Oil groove M : 4 Oil groove

DIN
TAP-
STAR

JIS
TAP-
STAR

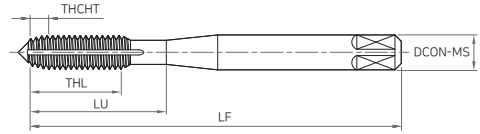
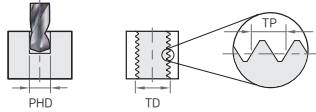
► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

P										K		N										M	S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo, Setting Plastic	Thermo, Plastic	Stainless Steels	Titanium Alloys		
~SM25C	SM25C~SM45C	SM45C~	SCM	25~45 HRC	45~55 HRC	50~60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni	
○	○										◎	◎	◎	◎	◎	◎		◎						

SWMCM DIN Carbide Roll Tap

Tap



M6 OR UNDER



M8 OVER

※ 2.0P Tap is removed external center as bottoming type

DIN
371-374
376

CARBIDE

TiCN

EDP No	TDZ	TP	LU	CZC-MS	DCON-MS	TD	LF	THL	NOF	TCL	PHD	TCTR	THCHT
SWMCM 0305020S	M3	0.5	18	3.5 x 2.7	3.5	3	56	11	S	2.0P	2.79	6HX	C
SWMCM 0407020S	M4	0.7	21	4.5 x 3.4	4.5	4	63	13	S	2.0P	3.68	6HX	C
SWMCM 0508020S	M5	0.8	25	6 x 4.9	6	5	70	15	S	2.0P	4.65	6HX	C
SWMCM 0610020S	M6	1	30	6 x 4.9	6	6	80	17	S	2.0P	5.53	6HX	C
SWMCM 0810020S	M8	1	34	6 x 4.9	6	8	90	17	S	2.0P	7.53	6HX	C
SWMCM 0812520S	M8	1.25	40	8 x 6.2	8	8	90	20	S	2.0P	7.38	6HX	C
SWMCM 1010020S	M10	1	39	7 x 5.5	7	10	90	18	S	2.0P	9.53	6HX	C
SWMCM 1012520S	M10	1.25	44	7 x 5.5	7	10	100	22	S	2.0P	9.38	6HX	C
SWMCM 1015020S	M10	1.5	44	10 x 8	10	10	100	22	S	2.0P	9.23	6HX	C
SWMCM 1210020S	M12	1	36	9 x 7	9	12	100	18	S	2.0P	11.53	6HX	C
SWMCM 1212520S	M12	1.25	44	9 x 7	9	12	100	22	S	2.0P	11.38	6HX	C
SWMCM 1215020S	M12	1.5	44	9 x 7	9	12	100	22	S	2.0P	11.24	6HX	C
SWMCM 1217520S	M12	1.75	48	9 x 7	9	12	110	24	S	2.0P	11.11	6HX	C
SWMCM 0305020M	M3	0.5	18	3.5 x 2.7	3.5	3	56	11	S	2.0P	2.79	6HX	C
SWMCM 0407020M	M4	0.7	21	4.5 x 3.4	4.5	4	63	13	S	2.0P	3.68	6HX	C
SWMCM 0508020M	M5	0.8	25	6 x 4.9	6	5	70	15	S	2.0P	4.65	6HX	C
SWMCM 0610020M	M6	1	30	6 x 4.9	6	6	80	17	S	2.0P	5.53	6HX	C
SWMCM 0810020M	M8	1	34	6 x 4.9	6	8	90	17	S	2.0P	7.53	6HX	C
SWMCM 0812520M	M8	1.25	40	8 x 6.2	8	8	90	20	S	2.0P	7.38	6HX	C
SWMCM 1010020M	M10	1	39	7 x 5.5	7	10	90	18	S	2.0P	9.53	6HX	C

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

P										K		N										M		S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo-Setting Plastic	Thermo-Plastic	Stainless Steels	Titanium Alloys			
-SM25C	SM25C -SM45C	SM45C-	SCM	25-45 HRC	45-55 HRC	50-60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni		
○	○										◎	◎	◎	◎	◎	◎		◎							

EDP No	TDZ	TP	LU	CZC -MS	DCON -MS	TD	LF	THL	NOF	TCL	PHD	TCTR	THCHT
SWMCM 1012520M	M10	1.25	44	7 x 5.5	7	10	100	22	S	2.0P	9.35	6HX	C
SWMCM 1015020M	M10	1.5	44	10 x 8	10	10	100	22	S	2.0P	9.23	6HX	C
SWMCM 1210020M	M12	1	36	9 x 7	9	12	100	18	S	2.0P	11.53	6HX	C
SWMCM 1212520M	M12	1.25	44	9 x 7	9	12	100	22	S	2.0P	11.38	6HX	C
SWMCM 1215020M	M12	1.5	44	9 x 7	9	12	100	22	S	2.0P	11.24	6HX	C
SWMCM 1217520M	M12	1.75	48	9 x 7	9	12	110	24	S	2.0P	11.11	6HX	C
SWMCM 0305040M	M3	0.5	18	3.5 x 2.7	3.5	3	56	11	S	4.0P	2.79	6HX	B
SWMCM 0407040M	M4	0.7	21	4.5 x 3.4	4.5	4	63	13	S	4.0P	3.68	6HX	B
SWMCM 0508040M	M5	0.8	25	6 x 4.9	6	5	70	15	S	4.0P	4.65	6HX	B
SWMCM 0610040M	M6	1	30	6 x 4.9	6	6	80	17	S	4.0P	5.53	6HX	B
SWMCM 0810040M	M8	1	34	6 x 4.9	6	8	90	17	S	4.0P	7.53	6HX	B
SWMCM 0812540M	M8	1.25	40	8 x 6.2	8	8	90	20	S	4.0P	7.38	6HX	B
SWMCM 1010040M	M10	1	39	7 x 5.5	7	10	90	18	S	4.0P	9.53	6HX	B
SWMCM 1012540M	M10	1.25	44	7 x 5.5	7	10	100	22	S	4.0P	9.38	6HX	B
SWMCM 1015040M	M10	1.5	44	10 x 8	10	10	100	22	S	4.0P	9.23	6HX	B
SWMCM 1210040M	M12	1	36	9 x 7	9	12	100	18	S	4.0P	11.53	6HX	B
SWMCM 1212540M	M12	1.25	44	9 x 7	9	12	100	22	S	4.0P	11.38	6HX	B
SWMCM 1215040M	M12	1.5	44	9 x 7	9	12	100	22	S	4.0P	11.24	6HX	B
SWMCM 1217540M	M12	1.75	48	9 x 7	9	12	110	24	S	4.0P	11.11	6HX	B

* Chamfer Lead : C - 2~3Thread, B - 4~5Thread, E - 1.5~2Thread

* Oil groove S : 1 Oil groove, Oil groove M : 4 Oil groove

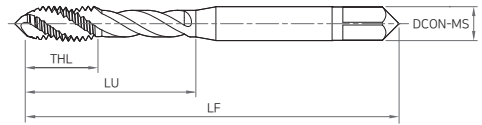
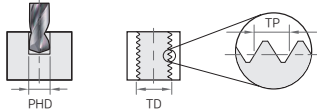
► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

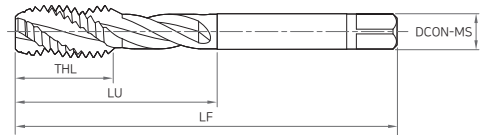
P										K		N										M	S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo, Setting Plastic	Thermo, Plastic	Stainless Steels	Titanium Alloys		
~SM25C	SM25C~SM45C	SM45C~	SCM	25~45 HRC	45~55 HRC	50~60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni	
○	○										◎	◎	◎	◎	◎	◎		◎						

SVPAM JIS HSSE Spiral Tap

Tap



M6/MF6 OR UNDER



M8/MF8 OVER



EDP No	TDZ	TP	LU	CZC -MS	DCON -MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SVPAM 0204025	M2	0.4	13.5	3 × 2.5	3	2	40	8	3	2.5P	1.6	H2
SVPAM 025045025	M2.5	0.45	14.5	3 × 2.5	3	3	44	9	3	2.5P	2.1	H2
SVPAM 0305025	M3	0.5	17	4 × 3.2	4	3	46	6	3	2.5P	2.5	H2
SVPAM 0407025	M4	0.7	20.5	5 × 4	5	4	52	7.5	3	2.5P	3.3	H2
SVPAM 04507525	M4.5	0.75	20.5	5 × 4	5	5	55	7.5	3	2.5P	3.8	H2
SVPAM 0508025	M5	0.8	25	5.5 × 4.5	5.5	5	60	9	3	2.5P	4.2	H2
SVPAM 0610025	M6	1	29	6 × 4.5	6	6	6.2	11	3	2.5P	5	H2
SVPAM 0812525	M8	1.25	34	6.2 × 5	6.2	8	70	13	3	2.5P	6.8	H2
SVPAM 1015025	M10	1.5	38	7 × 5.5	7	10	75	16	3	2.5P	8.5	H2
SVPAM 1217525	M12	1.75	48	8.5 × 6.5	8.5	12	82	18	3	2.5P	10.2	H2
SVPAM 1420025	M14	2	48	10.5 × 8	10.5	14	88	20	3	2.5P	12	H2
SVPAM 1620025	M16	2	52	12.5 × 10	12.5	16	95	20	3	2.5P	14	H2
SVPAM 1825025	M18	2.5	55	14 × 11	14	18	100	22	4	2.5P	15.5	H3
SVPAM 2025025	M20	2.5	58	15 × 12	15	20	105	25	4	2.5P	17.5	H3
SVPAM 2225025	M22	2.5	63	17 × 13	17	22	115	25	4	2.5P	19.5	H3
SVPAM 2430025	M24	3	66	19 × 15	19	24	120	29	4	2.5P	21	H4
SVPAM 0405025	MF4	0.5	20.5	5 × 4	5	4	52	7.5	3	2.5P	3.5	H2
SVPAM 0505025	MF5	0.5	25	5.5 × 4.5	5.5	5	60	8	3	2.5P	4.5	H2
SVPAM 0607525	MF6	0.75	29	6 × 4.5	6	6	62	8	3	2.5P	5.3	H2
SVPAM 0807525	MF8	0.75	34	6.2 × 5	6.2	8	70	10	3	2.5P	7.3	H3

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

P										K		N										M	S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo-Setting Plastic	Thermo-Plastic	Stainless Steels	Titanium Alloys		
-SM25C	SM25C-SM45C	SM45C-	SCM	25-45 HRC	45-55 HRC	50-60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni	
◎	◎	◎	◎	○				◎	○	○						◎								

EDP No	TDZ	TP	LU	CZC -MS	DCON -MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SVPAM 0810025	MF8	1	34	6.2 x 5	6.2	8	70	10	3	2.5P	7	H2
SVPAM 1007525	MF10	0.75	38	7 x 5.5	7	10	75	14	3	2.5P	9.3	H3
SVPAM 1010025	MF10	1	38	7 x 5.5	7	10	75	14	3	2.5P	9	H3
SVPAM 1012525	MF10	1.25	38	7 x 5.5	7	10	75	14	3	2.5P	8.8	H2
SVPAM 1210025	MF12	1	48	8.5 x 6.5	8.5	12	82	14	3	2.5P	11	H2
SVPAM 1212525	MF12	1.25	48	8.5 x 6.5	8.5	12	82	14	3	2.5P	10.8	H2
SVPAM 1215025	MF12	1.5	48	8.5 x 6.5	8.5	12	82	14	3	2.5P	10.5	H2
SVPAM 1410025	MF14	1	48	10.5 x 8	10.5	14	88	18	3	2.5P	13	H3
SVPAM 1415025	MF14	1.5	48	10.5 x 8	10.5	14	88	18	3	2.5P	12.5	H2
SVPAM 1615025	MF16	1.5	52	12.5 x 10	12.5	16	95	18	3	2.5P	14.5	H2
SVPAM 1815025	MF18	1.5	55	14 x 11	14	18	100	18	4	2.5P	16.5	H2
SVPAM 2015025	MF20	1.5	58	15 x 12	15	20	105	25	4	2.5P	18.5	H3
SVPAM 2215025	MF22	1.5	63	17 x 13	17	22	115	25	4	2.5P	20.5	H3
SVPAM 2415025	MF24	1.5	66	19 x 15	19	24	120	25	4	2.5P	22.5	H3
SVPAM 2420025	MF24	2	66	19 x 15	19	24	120	25	4	2.5P	22	H3

DIN
TAP-
STAR

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STAR

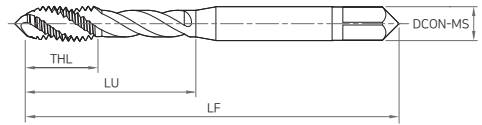
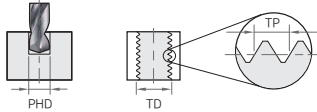
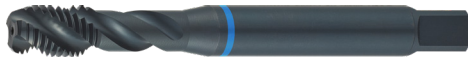
► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

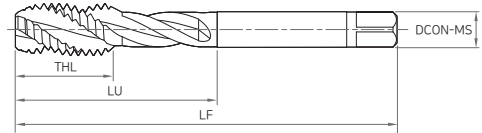
P										K		N										M		S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo. Setting Plastic	Thermo. Plastic	Stainless Steels	Titanium Alloys			
~SM25C	SM25C ~SM45C	SM45C~	SCM	25~45 HRC	45~55 HRC	50~60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni		
◎	◎	◎	◎	○				◎	○	○						◎									

SVPNM JIS HSSE Spiral Tap

Tap



M6/MF6 OR UNDER



M8/MF8 OVER



EDP No	TDZ	TP	LU	CZC-MS	DCON-MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SVPNM 0204025	M2	0.4	13.5	3 x 2.5	3	2	40	8	3	2.5P	1.6	H2
SVPNM 025045025	M2.5	0.45	14.5	3 x 2.5	3	3	44	9	3	2.5P	2.1	H2
SVPNM 0305025	M3	0.5	17	4 x 3.2	4	3	49	6	3	2.5P	2.5	H2
SVPNM 0407025	M4	0.7	20.5	5 x 4	5	4	52	7.5	3	2.5P	3.3	H2
SVPNM 04507525	M4.5	0.75	20.5	5 x 4	5	5	55	7.5	3	2.5P	3.8	H2
SVPNM 0508025	M5	0.8	25	5.5 x 4.5	5.5	5	60	9	3	2.5P	4.2	H2
SVPNM 0610025	M6	1	29	6 x 4.5	6	6	62	11	3	2.5P	5	H2
SVPNM 0812525	M8	1.25	34	6.2 x 5	6.2	8	70	13	3	2.5P	6.8	H2
SVPNM 1015025	M10	1.5	38	7 x 5.5	7	10	75	16	3	2.5P	8.5	H2
SVPNM 1217525	M12	1.75	48	8.5 x 6.5	8.5	12	82	18	3	2.5P	10.2	H2
SVPNM 1420025	M14	2	48	10.5 x 8	10.5	14	88	20	3	2.5P	12	H2
SVPNM 1620025	M16	2	52	12.5 x 10	12.5	16	95	20	3	2.5P	14	H2
SVPNM 1825025	M18	2.5	55	14 x 11	14	18	100	22	4	2.5P	15.5	H3
SVPNM 2025025	M20	2.5	58	15 x 12	15	20	105	25	4	2.5P	17.5	H3
SVPNM 2225025	M22	2.5	63	17 x 13	17	22	115	25	4	2.5P	19.5	H3
SVPNM 2430025	M24	3	66	19 x 15	19	24	120	29	4	2.5P	21	H4
SVPNM 0405025	MF4	0.5	20.5	5 x 4	5	4	52	7.5	3	2.5P	3.5	H2
SVPNM 0505025	MF5	0.5	25	5.5 x 4.5	5.5	5	60	8	3	2.5P	4.5	H2
SVPNM 0607525	MF6	0.75	29	6 x 4.5	6	6	62	8	3	2.5P	5.3	H2
SVPNM 0807525	MF8	0.75	34	6.2 x 5	6.2	8	70	10	3	2.5P	7.3	H3

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

P										K		N										M		S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo-Setting Plastic	Thermo-Plastic	Stainless Steels	Titanium Alloys			
-SM25C	SM25C -SM45C	SM45C-	SCM	25-45 HRC	45-55 HRC	50-60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni		
○	○	○	○	○			○	○	○	◎									○		◎	○	○		

SVPNM

JIS HSSE Spiral Tap

Tap

EDP No	TDZ	TP	LU	CZC -MS	DCON -MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SVPNM 0810025	MF8	1	34	6.2 x 5	6.2	8	70	10	3	2.5P	7	H2
SVPNM 1007525	MF10	0.75	38	7 x 5.5	7	10	75	14	3	2.5P	9.3	H3
SVPNM 1010025	MF10	1	38	7 x 5.5	7	10	75	14	3	2.5P	9	H3
SVPNM 1012525	MF10	1.25	38	7 x 5.5	7	10	75	14	3	2.5P	8.8	H2
SVPNM 1210025	MF12	1	48	8.5 x 6.5	8.5	12	82	14	3	2.5P	11	H2
SVPNM 1212525	MF12	1.25	48	8.5 x 6.5	8.5	12	82	14	3	2.5P	10.8	H2
SVPNM 1215025	MF12	1.5	48	8.5 x 6.5	8.5	12	82	14	3	2.5P	10.5	H2
SVPNM 1410025	MF14	1	48	10.5 x 8	10.5	14	88	18	3	2.5P	13	H3
SVPNM 1415025	MF14	1.5	48	10.5 x 8	10.5	14	88	18	3	2.5P	12.5	H2
SVPNM 1615025	MF16	1.5	52	12.5 x 10	12.5	16	95	18	3	2.5P	14.5	H2
SVPNM 1815025	MF18	1.5	55	14 x 11	14	18	100	18	4	2.5P	16.5	H2
SVPNM 2015025	MF20	1.5	58	15 x 12	15	20	105	25	4	2.5P	18.5	H3
SVPNM 2215025	MF22	1.5	63	17 x 13	17	22	115	25	4	2.5P	20.5	H3
SVPNM 2415025	MF24	1.5	66	19 x 15	19	24	120	25	4	2.5P	22.5	H3
SVPNM 2420025	MF24	2	66	19 x 15	19	24	120	25	4	2.5P	22	H3

DIN
TAP-
STAR

JIS
TAP-
STAR

► Applicable Working Material

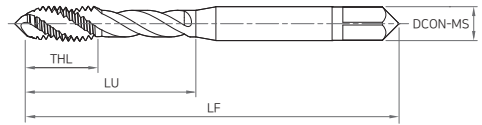
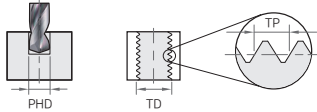
○ : GOOD ◎ : EXCELLENT

P							K		N										M	S			
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo, Setting Plastic	Thermo, Plastic	Stainless Steels	Titanium Alloys	
~SM25C	SM25C ~SM45C	SM45C	SCM	25~45 HRC	45~55 HRC	50~60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni
○	○	○	○	○			○	○	○	◎						○			○		◎	○	○

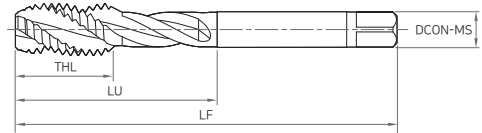
SVPHM

JIS HSSE Spiral Tap

Tap



M6/MF6 OR UNDER



M8/MF8 OVER



EDP No	TDZ	TP	LU	CZC-MS	DCON-MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SVPHM 0204025	M2	0.4	13.5	3 x 2.5	3	2	40	8	3	2.5P	1.6	H2
SVPHM 025045025	M2.5	0.45	14.5	3 x 2.5	3	3	44	9	3	2.5P	2.1	H2
SVPHM 0305025	M3	0.5	17	4 x 3.2	4	3	46	6	3	2.5P	2.5	H2
SVPHM 0407025	M4	0.7	20.5	5 x 4	5	4	52	7.5	3	2.5P	3.3	H2
SVPHM 04507525	M4.5	0.75	20.5	5 x 4	5	5	55	7.5	3	2.5P	3.8	H2
SVPHM 0508025	M5	0.8	25	5.5 x 4.5	5.5	5	60	9	3	2.5P	4.2	H2
SVPHM 0610025	M6	1	29	6 x 4.5	6	6	62	11	3	2.5P	5	H2
SVPHM 0812525	M8	1.25	34	6.2 x 5	6.2	8	70	13	3	2.5P	6.8	H2
SVPHM 1015025	M10	1.5	38	7 x 5.5	7	10	75	16	3	2.5P	8.5	H2
SVPHM 1217525	M12	1.75	48	8.5 x 6.5	8.5	12	82	18	3	2.5P	10.2	H2
SVPHM 1420025	M14	2	48	10.5 x 8	10.5	14	88	20	3	2.5P	12	H2
SVPHM 1620025	M16	2	52	12.5 x 10	12.5	16	95	20	3	2.5P	14	H2
SVPHM 1825025	M18	2.5	55	14 x 11	14	18	100	22	4	2.5P	15.5	H3
SVPHM 2025025	M20	2.5	58	15 x 12	15	20	105	25	4	2.5P	17.5	H3
SVPHM 2225025	M22	2.5	63	17 x 13	17	22	115	25	4	2.5P	19.5	H3
SVPHM 2430025	M24	3	66	19 x 15	19	24	120	29	4	2.5P	21	H4
SVPHM 0405025	MF4	0.5	20.5	5 x 4	5	4	52	7.5	3	2.5P	3.5	H2
SVPHM 0505025	MF5	0.5	25	5.5 x 4.5	5.5	5	60	8	3	2.5P	4.5	H2
SVPHM 0607525	MF6	0.75	29	6 x 4.5	6	6	62	8	3	2.5P	5.3	H2
SVPHM 0807525	MF8	0.75	34	6.2 x 5	6.2	8	70	10	3	2.5P	7.3	H3

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

P										K		N										M	S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo-Setting Plastic	Thermo-Plastic	Stainless Steels	Titanium Alloys		
-SM25C	SM25C-SM45C	SM45C-	SCM	25-45 HRC	45-55 HRC	50-60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni	
◎	◎	◎	◎	○				◎	○	○						◎								

EDP No	TDZ	TP	LU	CZC-MS	DCON-MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SVPHM 0810025	MF8	1	34	6.2 x 5	6.2	8	70	10	3	2.5P	7	H2
SVPHM 1007525	MF10	0.75	38	7 x 5.5	7	10	75	14	3	2.5P	9.3	H3
SVPHM 1010025	MF10	1	38	7 x 5.5	7	10	75	14	3	2.5P	9	H3
SVPHM 1012525	MF10	1.25	38	7 x 5.5	7	10	75	14	3	2.5P	8.8	H2
SVPHM 1210025	MF12	1	48	8.5 x 6.5	8.5	12	82	14	3	2.5P	11	H2
SVPHM 1212525	MF12	1.25	48	8.5 x 6.5	8.5	12	82	14	3	2.5P	10.8	H2
SVPHM 1215025	MF12	1.5	48	8.5 x 6.5	8.5	12	82	14	3	2.5P	10.5	H2
SVPHM 1410025	MF14	1	48	10.5 x 8	10.5	14	88	18	3	2.5P	13	H3
SVPHM 1415025	MF14	1.5	48	10.5 x 8	10.5	14	88	18	3	2.5P	12.5	H2
SVPHM 1615025	MF16	1.5	52	12.5 x 10	12.5	16	95	18	3	2.5P	14.5	H2
SVPHM 1815025	MF18	1.5	55	14 x 11	14	18	100	18	4	2.5P	16.5	H2
SVPHM 2015025	MF20	1.5	58	15 x 12	15	20	105	25	4	2.5P	18.5	H3
SVPHM 2215025	MF22	1.5	63	17 x 13	17	22	115	25	4	2.5P	20.5	H3
SVPHM 2415025	MF24	1.5	66	19 x 15	19	24	120	25	4	2.5P	22.5	H3
SVPHM 2420025	MF24	2	66	19 x 15	19	24	120	25	4	2.5P	22	H3

DIN
TAP-
STAR

JIS
TAP-
STAR

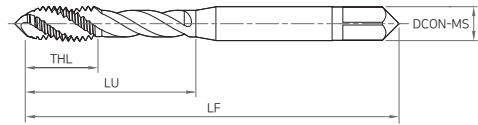
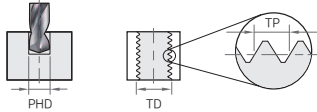
► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

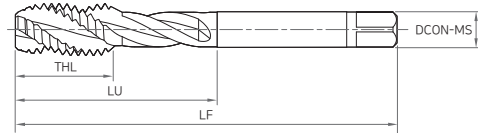
P										K		N										M		S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo Setting Plastic	Thermo Plastic	Stainless Steels	Titanium Alloys			
~SM25C	SM25C~SM45C	SM45C~	SCM	25~45 HRC	45~55 HRC	50~60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni		
◎	◎	◎	◎	○				◎	○	○						◎									

SVPOM JIS HSSE Spiral Tap

Tap



M6/MF6 OR UNDER



M8/MF8 OVER



EDP No	TDZ	TP	LU	CZC -MS	DCON -MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SVPOM 0204025	M2	0.4	13.5	3 × 2.5	3	2	40	8	2	2.5P	1.6	H2
SVPOM 025045025	M2.5	0.45	14.5	3 × 2.5	3	3	44	9	2	2.5P	2.1	H2
SVPOM 0305025	M3	0.5	17	4 × 3.2	4	3	46	6	3	2.5P	2.5	H2
SVPOM 0407025	M4	0.7	20.5	5 × 4	5	4	52	7.5	3	2.5P	3.3	H2
SVPOM 04507525	M4.5	0.75	20.5	5 × 4	5	5	55	7.5	2	2.5P	3.8	H2
SVPOM 0508025	M5	0.8	25	5.5 × 4.5	5.5	5	60	9	3	2.5P	4.2	H2
SVPOM 0610025	M6	1	29	6 × 4.5	6	6	62	11	3	2.5P	5	H2
SVPOM 0812525	M8	1.25	34	6.2 × 5	6.2	8	70	13	3	2.5P	6.8	H2
SVPOM 1015025	M10	1.5	38	7 × 5.5	7	10	75	16	3	2.5P	8.5	H2
SVPOM 1217525	M12	1.75	48	8.5 × 6.5	8.5	12	82	18	3	2.5P	10.2	H2
SVPOM 1420025	M14	2	48	10.5 × 8	10.5	14	88	20	3	2.5P	12	H2
SVPOM 1620025	M16	2	52	12.5 × 10	12.5	16	95	20	3	2.5P	14	H2
SVPOM 1825025	M18	2.5	55	14 × 11	14	18	100	22	4	2.5P	15.5	H3
SVPOM 2025025	M20	2.5	58	15 × 12	15	20	105	25	4	2.5P	17.5	H3
SVPOM 2225025	M22	2.5	63	17 × 13	17	22	115	25	4	2.5P	19.5	H3
SVPOM 2430025	M24	3	66	19 × 15	19	24	120	29	4	2.5P	21	H4
SVPOM 0405025	MF4	0.5	20.5	5 × 4	5	4	52	7.5	2	2.5P	3.5	H2
SVPOM 0505025	MF5	0.5	25	5.5 × 4.5	5.5	5	60	8	2	2.5P	4.5	H2
SVPOM 0607525	MF6	0.75	29	6 × 4.5	6	6	62	8	2	2.5P	5.3	H2
SVPOM 0807525	MF8	0.75	34	6.2 × 5	6.2	8	70	10	2	2.5P	7.3	H3

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

P									K		N										M		S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo-Setting Plastic	Thermo-Plastic	Stainless Steels	Titanium Alloys		
-SM25C	SM25C-SM45C	SM45C-	SCM	25-45 HRC	45-55 HRC	50-60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni	
											◎	◎	◎	◎	◎	◎	○	○	◎					

SVPOM

JIS HSSE Spiral Tap

Tap

EDP No	TDZ	TP	LU	CZC -MS	DCON -MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SVPOM 0810025	MF8	1	34	6.2 x 5	6.2	8	70	10	3	2.5P	7	H2
SVPOM 1007525	MF10	0.75	38	7 x 5.5	7	10	75	14	2	2.5P	9.3	H3
SVPOM 1010025	MF10	1	38	7 x 5.5	7	10	75	14	2	2.5P	9	H3
SVPOM 1012525	MF10	1.25	38	7 x 5.5	7	10	75	14	3	2.5P	8.8	H2
SVPOM 1210025	MF12	1	48	8.5 x 6.5	8.5	12	82	14	3	2.5P	11	H2
SVPOM 1212525	MF12	1.25	48	8.5 x 6.5	8.5	12	82	14	3	2.5P	10.8	H2
SVPOM 1215025	MF12	1.5	48	8.5 x 6.5	8.5	12	82	14	3	2.5P	10.5	H2
SVPOM 1410025	MF14	1	48	10.5 x 8	10.5	14	88	18	3	2.5P	13	H3
SVPOM 1415025	MF14	1.5	48	10.5 x 8	10.5	14	88	18	3	2.5P	12.5	H2
SVPOM 1615025	MF16	1.5	52	12.5 x 10	12.5	16	95	18	3	2.5P	14.5	H2
SVPOM 1815025	MF18	1.5	55	14 x 11	14	18	100	18	4	2.5P	16.5	H2
SVPOM 2015025	MF20	1.5	58	15 x 12	15	20	105	25	4	2.5P	18.5	H3
SVPOM 2215025	MF22	1.5	63	17 x 13	17	22	115	25	4	2.5P	20.5	H3
SVPOM 2415025	MF24	1.5	66	19 x 15	19	24	120	25	4	2.5P	22.5	H3
SVPOM 2420025	MF24	2	66	19 x 15	19	24	120	25	4	2.5P	22	H3

DIN
TAP-
STAR

JIS
TAP-
STAR

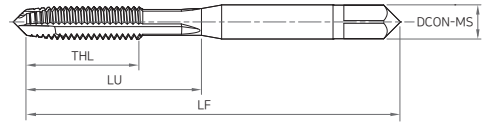
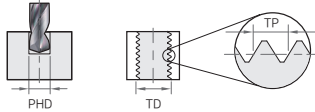
► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

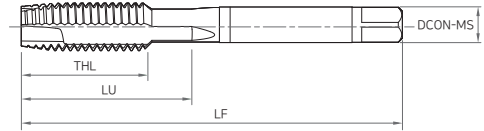
P										K		N										M		S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo Setting Plastic	Thermo Plastic	Stainless Steels	Titanium Alloys			
~SM25C	SM25C~SM45C	SM45C~	SCM	25~45 HRC	45~55 HRC	50~60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni		
											◎	◎	◎	◎	◎	◎	○	○	◎						

SVNAM JIS HSSE Point Tap

Tap



M10/MF10 OR UNDER



M12/MF12 OVER

Black
Ring

HSSE

TIAIN

EDP No	TDZ	TP	LU	CZC -MS	DCON -MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SVNAM 0204050	M2	0.4	12.5	3 × 2.5	3	2	40	8	3	5.0P	1.6	H2
SVNAM 025045050	M2.5	0.45	14.5	3 × 2.5	3	3	44	9	3	5.0P	2.1	H2
SVNAM 0305050	M3	0.5	18	4 × 3.2	4	3	46	11	3	5.0P	2.5	H2
SVNAM 0407050	M4	0.7	21	5 × 4	5	4	52	13	3	5.0P	3.3	H2
SVNAM 04507550	M4.5	0.75	21	5 × 4	5	5	55	13	3	5.0P	3.8	H2
SVNAM 0508050	M5	0.8	25	5.5 × 4.5	5.5	5	60	16	3	5.0P	4.2	H2
SVNAM 0610050	M6	1	30	6 × 4.5	6	6	62	19	3	5.0P	5	H2
SVNAM 0812550	M8	1.25	35	6.2 × 5	6.2	8	70	22	3	5.0P	6.8	H3
SVNAM 1015050	M10	1.5	39	7 × 5.5	7	10	75	24	3	5.0P	8.5	H3
SVNAM 1217550	M12	1.75	48	8.5 × 6.5	8.5	12	82	29	3	5.0P	10.2	H4
SVNAM 1420050	M14	2	48	10.5 × 8	10.5	14	88	30	3	5.0P	12	H4
SVNAM 1620050	M16	2	52	12.5 × 10	12.5	16	95	32	3	5.0P	14	H4
SVNAM 1825050	M18	2.5	55	14 × 11	14	18	100	34	3	5.0P	15.5	H4
SVNAM 2025050	M20	2.5	58	15 × 12	15	20	105	34	3	5.0P	17.5	H4
SVNAM 2225050	M22	2.5	63	17 × 13	17	22	115	34	3	5.0P	19.5	H4
SVNAM 2430050	M24	3	66	19 × 15	19	24	120	38	3	5.0P	21	H4
SVNAM 0405050	MF4	0.5	21	5 × 4	5	4	52	10	3	5.0P	3.5	H2
SVNAM 0505050	MF5	0.5	25	5.5 × 4.5	5.5	5	60	12	3	5.0P	4.5	H2
SVNAM 0607550	MF6	0.75	30	6 × 4.5	6	6	62	14	3	5.0P	5.3	H2
SVNAM 0807550	MF8	0.75	35	6.2 × 5	6.2	8	70	19	3	5.0P	7.3	H2

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

P										K		N										M		S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo-Setting Plastic	Thermo-Plastic	Stainless Steels	Titanium Alloys			
-SM25C	SM25C-SM45C	SM45C-	SCM	25-45 HRC	45-55 HRC	50-60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni		
◎	◎	◎	◎	○				◎	○	○						◎									

SVNAM

JIS HSSE Point Tap

Tap

EDP No	TDZ	TP	LU	CZC-MS	DCON-MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SVNAM 0810050	MF8	1	35	6.2 x 5	6.2	8	70	19	3	5.0P	7	H3
SVNAM 1007550	MF10	0.75	39	7 x 5.5	7	10	75	20	3	5.0P	9.3	H3
SVNAM 1010050	MF10	1	39	7 x 5.5	7	10	75	20	3	5.0P	9	H3
SVNAM 1012550	MF10	1.25	39	7 x 5.5	7	10	75	20	3	5.0P	8.8	H3
SVNAM 1210050	MF12	1	48	8.5 x 6.5	8.5	12	82	22	3	5.0P	11	H3
SVNAM 1212550	MF12	1.25	48	8.5 x 6.5	8.5	12	82	22	3	5.0P	10.8	H3
SVNAM 1215050	MF12	1.5	48	8.5 x 6.5	8.5	12	82	22	3	5.0P	10.5	H3
SVNAM 1410050	MF14	1	48	10.5 x 8	10.5	14	88	22	3	5.0P	13	H3
SVNAM 1415050	MF14	1.5	48	10.5 x 8	10.5	14	88	22	3	5.0P	12.5	H3
SVNAM 1615050	MF16	1.5	52	12.5 x 10	12.5	16	95	22	3	5.0P	14.5	H3
SVNAM 1815050	MF18	1.5	55	14 x 11	14	18	100	25	3	5.0P	16.5	H4
SVNAM 2015050	MF20	1.5	58	15 x 12	15	20	105	25	3	5.0P	18.5	H4
SVNAM 2215050	MF22	1.5	63	17 x 13	17	22	115	25	3	5.0P	20.5	H4
SVNAM 2415050	MF24	1.5	66	19 x 15	19	24	120	28	3	5.0P	22.5	H4
SVNAM 2420050	MF24	2	66	19 x 15	19	24	120	28	3	5.0P	22	H4

DIN
TAP-
STAR

JIS
TAP-
STAR

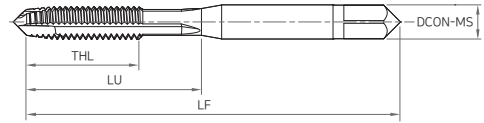
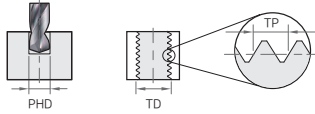
► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

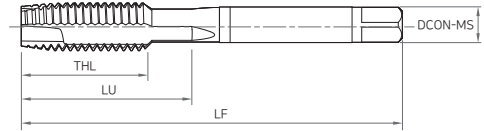
P										K		N										M		S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo-setting Plastic	Thermo-Plastic	Stainless Steels	Titanium Alloys			
~SM25C	SM25C~SM45C	SM45C~	SCM	25~45 HRC	45~55 HRC	50~60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni		
◎	◎	◎	◎	○				◎	○	○						◎									

SVNNM JIS HSSE Point Tap

Tap



M10/MF10 OR UNDER



M12/MF12 OVER

Blue
Ring

HSSE

Nitride

EDP No	TDZ	TP	LU	CZC -MS	DCON -MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SVNNM 0204050	M2	0.4	13.5	3 × 2.5	3	2	40	8	3	5.0P	1.6	H2
SVNNM 025045050	M2.5	0.45	14.5	3 × 2.5	3	3	44	9	3	5.0P	2.1	H2
SVNNM 0305050	M3	0.5	18	4 × 3.2	4	3	46	11	3	5.0P	2.5	H2
SVNNM 0407050	M4	0.7	21	5 × 4	5	4	52	13	3	5.0P	3.3	H2
SVNNM 04507550	M4.5	0.75	21	5 × 4	5	5	55	13	3	5.0P	3.8	H2
SVNNM 0508050	M5	0.8	25	5.5 × 4.5	5.5	5	60	16	3	5.0P	4.2	H2
SVNNM 0610050	M6	1	30	6 × 4.5	6	6	62	19	3	5.0P	5	H2
SVNNM 0812550	M8	1.25	35	6.2 × 5	6.2	8	70	22	3	5.0P	6.8	H3
SVNNM 1015050	M10	1.5	39	7 × 5.5	7	10	75	24	3	5.0P	8.5	H3
SVNNM 1217550	M12	1.75	48	8.5 × 6.5	8.5	12	82	29	3	5.0P	10.2	H4
SVNNM 1420050	M14	2	48	10.5 × 8	10.5	14	88	30	3	5.0P	12	H4
SVNNM 1620050	M16	2	52	12.5 × 10	12.5	16	95	32	3	5.0P	14	H4
SVNNM 1825050	M18	2.5	55	14 × 11	14	18	100	34	3	5.0P	15.5	H4
SVNNM 2025050	M20	2.5	58	15 × 12	15	20	105	34	3	5.0P	17.5	H4
SVNNM 2225050	M22	2.5	63	17 × 13	17	22	115	34	3	5.0P	19.5	H4
SVNNM 2430050	M24	3	66	19 × 15	19	24	120	38	3	5.0P	21	H4
SVNNM 0405050	MF4	0.5	21	5 × 4	5	4	52	10	3	5.0P	3.5	H2
SVNNM 0505050	MF5	0.5	25	5.5 × 4.5	5.5	5	60	12	3	5.0P	4.5	H2
SVNNM 0607550	MF6	0.75	30	6 × 4.5	6	6	62	14	3	5.0P	5.3	H2
SVNNM 0807550	MF8	0.75	35	6.2 × 5	6.2	8	70	19	3	5.0P	7.3	H3

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

P							K		N										M	S			
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo-Setting Plastic	Thermo-Plastic	Stainless Steels	Titanium Alloys	
-SM25C	SM25C -SM45C	SM45C-	SCM	25-45 HRC	45-55 HRC	50-60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni
○	○	○	○	○			○	○	○	◎									○		◎	○	○

SVNNM

JIS HSSE Point Tap

Tap

EDP No	TDZ	TP	LU	CZC -MS	DCON -MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SVNNM 0810050	MF8	1	35	6.2 x 5	6.2	8	70	19	3	5.0P	7	H3
SVNNM 1007550	MF10	0.75	39	7 x 5.5	7	10	75	20	3	5.0P	9.3	H3
SVNNM 1010050	MF10	1	39	7 x 5.5	7	10	75	20	3	5.0P	9	H3
SVNNM 1012550	MF10	1.25	39	7 x 5.5	7	10	75	20	3	5.0P	8.8	H3
SVNNM 1210050	MF12	1	48	8.5 x 6.5	8.5	12	82	22	3	5.0P	11	H3
SVNNM 1212550	MF12	1.25	48	8.5 x 6.5	8.5	12	82	22	3	5.0P	10.8	H3
SVNNM 1215050	MF12	1.5	48	8.5 x 6.5	8.2	12	82	22	3	5.0P	10.5	H3
SVNNM 1410050	MF14	1	48	10.5 x 8	10.5	14	88	22	3	5.0P	13	H3
SVNNM 1415050	MF14	1.5	48	10.5 x 8	10.5	14	88	22	3	5.0P	12.5	H3
SVNNM 1615050	MF16	1.5	52	12.5 x 10	12.5	16	95	22	3	5.0P	14.5	H3
SVNNM 1815050	MF18	1.5	55	14 x 11	14	18	100	25	3	5.0P	16.5	H4
SVNNM 2015050	MF20	1.5	58	15 x 12	15	20	105	25	3	5.0P	18.5	H4
SVNNM 2215050	MF22	1.5	63	17 x 13	17	22	115	25	3	5.0P	20.5	H4
SVNNM 2415050	MF24	1.5	66	19 x 15	19	24	120	28	3	5.0P	22.5	H4
SVNNM 2420050	MF24	2	66	19 x 15	19	24	120	28	3	5.0P	22	H4

DIN
TAP-
STAR

JIS
TAP-
STAR

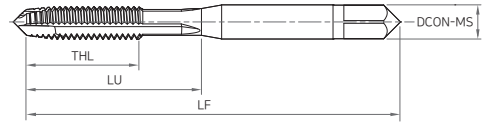
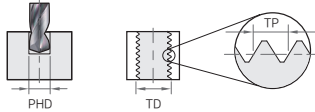
► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

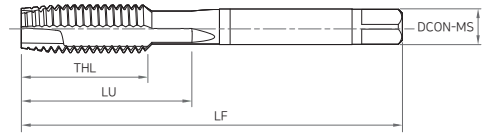
P										K		N										M	S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo, Setting Plastic	Thermo, Plastic	Stainless Steels	Titanium Alloys		
~SM25C	SM25C ~SM45C	SM45C~	SCM	25~45 HRC	45~55 HRC	50~60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni	
○	○	○	○	○			○	○	○	◎						○			○		◎	○	○	

SVNHM JIS HSSE Point Tap

Tap



M10/MF10 OR UNDER



M12/MF12 OVER

HSSE

HOMO

EDP No	TDZ	TP	LU	CZC -MS	DCON -MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SVNHM 0204050	M2	0.4	13.5	3 x 2.5	3	2	40	8	3	5.0P	1.6	H2
SVNHM 025045050	M2.5	0.45	14.5	3 x 2.5	3	3	44	9	3	5.0P	2.1	H2
SVNHM 0305050	M3	0.5	18	4 x 3.2	4	3	46	11	3	5.0P	2.5	H2
SVNHM 0407050	M4	0.7	21	5 x 4	5	4	52	13	3	5.0P	3.3	H2
SVNHM 04507550	M4.5	0.75	21	5 x 4	5	5	55	13	3	5.0P	3.8	H2
SVNHM 0508050	M5	0.8	25	5.5 x 4.5	5.5	5	60	16	3	5.0P	4.2	H2
SVNHM 0610050	M6	1	30	6 x 4.5	6	6	62	19	3	5.0P	5	H2
SVNHM 0812550	M8	1.25	35	6.2 x 5	6.2	8	70	22	3	5.0P	6.8	H3
SVNHM 1015050	M10	1.5	39	7 x 5.5	7	10	75	24	3	5.0P	8.5	H3
SVNHM 1217550	M12	1.75	48	8.5 x 6.5	8.5	12	82	29	3	5.0P	10.2	H4
SVNHM 1420050	M14	2	48	10.5 x 8	10.5	14	88	30	3	5.0P	12	H4
SVNHM 1620050	M16	2	52	12.5 x 10	12.5	16	95	32	3	5.0P	14	H4
SVNHM 1825050	M18	2.5	55	14 x 11	14	18	100	34	3	5.0P	15.5	H4
SVNHM 2025050	M20	2.5	58	15 x 12	15	20	105	34	3	5.0P	17.5	H4
SVNHM 2225050	M22	2.5	63	17 x 13	17	22	115	34	3	5.0P	19.5	H4
SVNHM 2430050	M24	3	66	19 x 15	19	24	120	38	3	5.0P	21	H4
SVNHM 0405050	MF4	0.5	21	5 x 4	5	4	52	10	3	5.0P	3.5	H2
SVNHM 0505050	MF5	0.5	25	5.5 x 4.5	5.5	5	60	12	3	5.0P	4.5	H2
SVNHM 0607550	MF6	0.75	30	6 x 4.5	6	6	62	14	3	5.0P	5.3	H2
SVNHM 0807550	MF8	0.75	35	6.2 x 5	6.2	8	70	19	3	5.0P	7.3	H3

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

P								K		N										M		S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo-Setting Plastic	Thermo-Plastic	Stainless Steels	Titanium Alloys	
-SM25C	SM25C-SM45C	SM45C-	SCM	25-45 HRC	45-55 HRC	50-60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni
◎	◎	◎	◎	○				◎	○	○						◎							

SVNHM

JIS HSSE Point Tap

Tap

EDP No	TDZ	TP	LU	CZC -MS	DCON -MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SVNHM 0810050	MF8	1	35	6.2 x 5	6.2	8	70	19	3	5.0P	7	H3
SVNHM 1007550	MF10	0.75	39	7 x 5.5	7	10	75	20	3	5.0P	9.3	H3
SVNHM 1010050	MF10	1	39	7 x 5.5	7	10	75	20	3	5.0P	9	H3
SVNHM 1012550	MF10	1.25	39	7 x 5.5	7	10	75	20	3	5.0P	8.8	H3
SVNHM 1210050	MF12	1	48	8.5 x 6.5	8.5	12	82	22	3	5.0P	11	H3
SVNHM 1212550	MF12	1.25	48	8.5 x 6.5	8.5	12	82	22	3	5.0P	10.8	H3
SVNHM 1215050	MF12	1.5	48	8.5 x 6.5	8.5	12	82	22	3	5.0P	10.5	H3
SVNHM 1410050	MF14	1	48	10.5 x 8	10.5	14	88	22	3	5.0P	13	H3
SVNHM 1415050	MF14	1.5	48	10.5 x 8	10.5	14	88	22	3	5.0P	12.5	H3
SVNHM 1615050	MF16	1.5	52	12.5 x 10	12.5	16	95	22	3	5.0P	14.5	H3
SVNHM 1815050	MF18	1.5	55	14 x 11	14	18	100	25	3	5.0P	16.5	H4
SVNHM 2015050	MF20	1.5	58	15 x 12	15	20	105	25	3	5.0P	18.5	H4
SVNHM 2215050	MF22	1.5	63	17 x 13	17	22	115	25	3	5.0P	20.5	H4
SVNHM 2415050	MF24	1.5	66	19 x 15	19	24	120	28	3	5.0P	22.5	H4
SVNHM 2420050	MF24	2	66	19 x 15	19	24	120	28	3	5.0P	22	H4

DIN
TAP-
STAR

JIS
TAP-
STAR

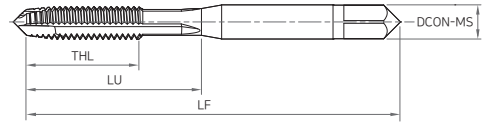
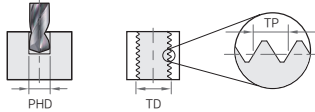
► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

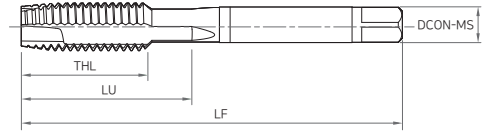
P							K		N										M	S			
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo, Setting Plastic	Thermo, Plastic	Stainless Steels	Titanium Alloys	
~SM25C	SM25C ~SM45C	SM45C~	SCM	25~45 HRC	45~55 HRC	50~60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni
◎	◎	◎	◎	○				◎	○	○						◎							

SVNOM JIS HSSE Point Tap

Tap



M10/MF10 OR UNDER



M12/MF12 OVER

Yellow
Ring

HSSE

Bright

EDP No	TDZ	TP	LU	CZC -MS	DCON -MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SVNOM 0204050	M2	0.4	13.5	3 x 2.5	3	2	40	8	2	5.0P	1.6	H2
SVNOM 025045050	M2.5	0.45	14.5	3 x 2.5	3	3	44	9	2	5.0P	2.1	H2
SVNOM 0305050	M3	0.5	18	4 x 3.2	4	3	46	11	3	5.0P	2.5	H2
SVNOM 0407050	M4	0.7	21	5 x 4	5	4	52	13	3	5.0P	3.3	H2
SVNOM 04507550	M4.5	0.75	21	5 x 4	5	5	55	13	2	5.0P	3.8	H2
SVNOM 0508050	M5	0.8	25	5.5 x 4.5	5.5	5	60	16	3	5.0P	4.2	H2
SVNOM 0610050	M6	1	30	6 x 4.5	6	6	62	19	3	5.0P	5	H2
SVNOM 0812550	M8	1.25	35	6.2 x 5	6.2	8	70	22	3	5.0P	6.8	H3
SVNOM 1015050	M10	1.5	39	7 x 5.5	7	10	75	24	3	5.0P	8.5	H3
SVNOM 1217550	M12	1.75	48	8.5 x 6.5	8.5	12	82	29	3	5.0P	10.2	H4
SVNOM 1420050	M14	2	48	10.5 x 8	10.5	14	88	30	3	5.0P	12	H4
SVNOM 1620050	M16	2	52	12.5 x 10	12.5	16	95	32	3	5.0P	14	H4
SVNOM 1825050	M18	2.5	55	14 x 11	14	18	100	34	3	5.0P	15.5	H4
SVNOM 2025050	M20	2.5	58	15 x 12	15	20	105	34	3	5.0P	17.5	H4
SVNOM 2225050	M22	2.5	63	17 x 13	17	22	115	34	3	5.0P	19.5	H4
SVNOM 2430050	M24	3	66	19 x 15	19	24	120	38	3	5.0P	21	H4
SVNOM 0405050	MF4	0.5	21	5 x 4	5	4	52	10	2	5.0P	3.5	H2
SVNOM 0505050	MF5	0.5	25	5.5 x 4.5	5.5	5	60	12	2	5.0P	4.5	H2
SVNOM 0607550	MF6	0.75	30	6 x 4.5	6	6	62	14	2	5.0P	5.3	H2
SVNOM 0807550	MF8	0.75	35	6.2 x 5	6.2	8	70	19	2	5.0P	7.3	H3

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

P										K		N										M		S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo-Setting Plastic	Thermo-Plastic	Stainless Steels	Titanium Alloys			
-SM25C	SM25C -SM45C	SM45C-	SCM	25-45 HRC	45-55 HRC	50-60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni		
											◎	◎	◎	◎	◎	◎	○	○	◎						

SVNOM

JIS HSSE Point Tap

Tap

EDP No	TDZ	TP	LU	CZC -MS	DCON -MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SVNOM 0810050	MF8	1	35	6.2 x 5	6.2	8	70	19	3	5.0P	7	H3
SVNOM 1007550	MF10	0.75	39	7 x 5.5	7	10	75	20	2	5.0P	9.3	H3
SVNOM 1010050	MF10	1	39	7 x 5.5	7	10	75	20	2	5.0P	9	H3
SVNOM 1012550	MF10	1.25	39	7 x 5.5	7	10	75	20	3	5.0P	8.8	H3
SVNOM 1210050	MF12	1	48	8.5 x 6.5	8.5	12	82	22	3	5.0P	11	H3
SVNOM 1212550	MF12	1.25	48	8.5 x 6.5	8.5	12	82	22	3	5.0P	10.8	H3
SVNOM 1215050	MF12	1.5	48	8.5 x 6.5	8.5	12	82	22	3	5.0P	10.5	H3
SVNOM 1410050	MF14	1	48	10.5 x 8	10.5	14	88	22	3	5.0P	13	H3
SVNOM 1415050	MF14	1.5	48	10.5 x 8	10.5	14	88	22	3	5.0P	12.5	H3
SVNOM 1615050	MF16	1.5	52	12.5 x 10	12.5	16	95	22	3	5.0P	14.5	H3
SVNOM 1815050	MF18	1.5	55	14 x 11	14	18	100	25	3	5.0P	16.5	H4
SVNOM 2015050	MF20	1.5	58	15 x 12	15	20	105	25	3	5.0P	18.5	H4
SVNOM 2215050	MF22	1.5	63	17 x 13	17	22	115	25	3	5.0P	20.5	H4
SVNOM 2415050	MF24	1.5	66	19 x 15	19	24	120	28	3	5.0P	22.5	H4
SVNOM 2420050	MF24	2	66	19 x 15	19	24	120	28	3	5.0P	22	H4

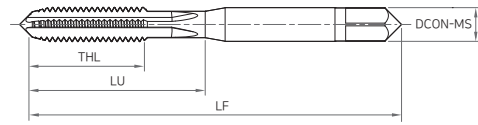
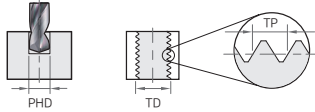
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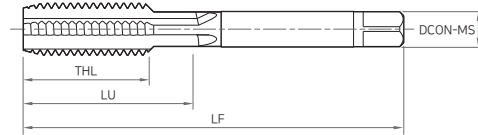
► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

P								K		N										M		S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo, Setting Plastic	Thermo, Plastic	Stainless Steels	Titanium Alloys	
~SM25C	SM25C~SM45C	SM45C~	SCM	25~45 HRC	45~55 HRC	50~60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni
											◎	◎	◎	◎	◎	◎	○	○	◎				



M10/MF10 OR UNDER



M12/MF12 OVER

Green
Ring

HSSE

TIAIN

EDP No	TDZ	TP	LU	CZC -MS	DCON -MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SVSAM 0305015	M3	0.5	18	4 × 3.2	4	3	46	11	3	1.5P	2.5	H2
SVSAM 0407015	M4	0.7	21	5 × 4	5	4	52	13	3	1.5P	3.3	H2
SVSAM 04507515	M4.5	0.75	21	5 × 4	5	5	55	13	3	1.5P	3.8	H2
SVSAM 0508015	M5	0.8	25	5.5 × 4.5	5.5	5	60	16	3	1.5P	4.2	H2
SVSAM 0610015	M6	1	30	6 × 4.5	6	6	62	19	3	1.5P	5	H2
SVSAM 0812515	M8	1.25	35	6.2 × 5	6.2	8	70	22	4	1.5P	6.8	H2
SVSAM 1015015	M10	1.5	39	7 × 5.5	7	10	75	24	4	1.5P	8.5	H3
SVSAM 1217515	M12	1.75	48	8.5 × 6.5	8.5	12	82	29	4	1.5P	10.2	H3
SVSAM 1420015	M14	2	48	10.5 × 8	10.5	14	88	30	4	1.5P	12	H3
SVSAM 1620015	M16	2	52	12.5 × 10	12.5	16	95	32	4	1.5P	14	H3
SVSAM 1825015	M18	2.5	55	14 × 11	14	18	100	34	4	1.5P	15.5	H3
SVSAM 2025015	M20	2.5	58	15 × 12	15	20	105	34	4	1.5P	17.5	H3
SVSAM 2225015	M22	2.5	63	17 × 13	17	22	115	34	4	1.5P	19.5	H3
SVSAM 2430015	M24	3	66	19 × 15	19	24	120	38	4	1.5P	21	H3
SVSAM 0810015	MF8	1	35	6.2 × 5	6.2	8	70	19	4	1.5P	7	H2
SVSAM 1012515	MF10	1.25	39	7 × 5.5	7	10	75	20	4	1.5P	8.8	H2
SVSAM 1210015	MF12	1	48	8.5 × 6.5	8.5	12	82	22	4	1.5P	11	H2
SVSAM 1212515	MF12	1.25	48	8.5 × 6.5	8.5	12	82	22	4	1.5P	10.8	H2
SVSAM 1215015	MF12	1.5	48	8.5 × 6.5	8.5	12	82	22	4	1.5P	10.5	H3
SVSAM 1415015	MF14	1.5	48	10.5 × 8	10.5	14	88	22	4	1.5P	12.5	H3

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

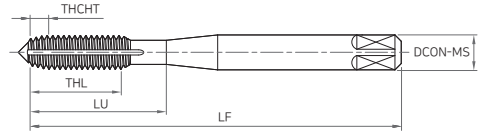
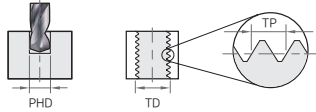
P									K		N										M	S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo-Setting Plastic	Thermo-Plastic	Stainless Steels	Titanium Alloys	
-SM25C	SM25C-SM45C	SM45C-	SCM	25-45 HRC	45-55 HRC	50-60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni
					○				◎														

EDP No	TDZ	TP	LU	CZC -MS	DCON -MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SVSAM 1615015	MF16	1.5	52	12.5 x 10	12.5	16	95	22	4	1.5P	14.5	H3
SVSAM 1815015	MF18	1.5	55	14 x 11	14	18	100	25	4	1.5P	16.5	H3
SVSAM 2015015	MF20	1.5	58	15 x 12	15	20	105	25	4	1.5P	18.5	H3
SVSAM 2215015	MF22	1.5	63	17 x 13	17	22	115	25	4	1.5P	20.5	H3
SVSAM 2415015	MF24	1.5	66	19 x 15	19	24	120	28	4	1.5P	22.5	H3
SVSAM 2420015	MF24	2	66	19 x 15	19	24	120	28	4	1.5P	22	H3
SVSAM 0305050	M3	0.5	18	4 x 3.2	4	3	46	11	3	5.0P	2.5	H2
SVSAM 0407050	M4	0.7	21	5 x 4	5	4	52	13	3	5.0P	3.3	H2
SVSAM 04507550	M4.5	0.75	21	5 x 4	5	5	55	13	3	5.0P	3.8	H2
SVSAM 0508050	M5	0.8	25	5.5 x 4.5	5.5	5	60	16	3	5.0P	4.2	H2
SVSAM 0610050	M6	1	30	6 x 4.5	6	6	62	19	3	5.0P	5	H2
SVSAM 0812550	M8	1.25	35	6.2 x 5	6.2	8	70	22	4	5.0P	6.8	H2
SVSAM 1015050	M10	1.5	39	7 x 5.5	7	10	75	24	4	5.0P	8.5	H3
SVSAM 1217550	M12	1.75	48	8.5 x 6.5	8.5	12	82	29	4	5.0P	10.2	H3
SVSAM 1420050	M14	2	48	10.5 x 8	10.5	14	88	30	4	5.0P	12	H3
SVSAM 1620050	M16	2	52	12.5 x 10	12.5	16	95	32	4	5.0P	14	H3
SVSAM 1825050	M18	2.5	55	14 x 11	14	18	100	34	4	5.0P	15.5	H3
SVSAM 2025050	M20	2.5	58	15 x 12	15	20	105	34	4	5.0P	17.5	H3
SVSAM 2225050	M22	2.5	63	17 x 13	17	22	115	34	4	5.0P	19.5	H3
SVSAM 2430050	M24	3	66	19 x 15	19	24	120	38	4	5.0P	21	H3
SVSAM 0810050	MF8	1	35	6.2 x 5	6.2	8	70	19	4	5.0P	7	H2
SVSAM 1012550	MF10	1.25	39	7 x 5.5	7	10	75	20	4	5.0P	8.8	H2
SVSAM 1210050	MF12	1	48	8.5 x 6.5	8.5	12	82	22	4	5.0P	11	H2
SVSAM 1212550	MF12	1.25	48	8.5 x 6.5	8.5	12	82	22	4	5.0P	10.8	H2
SVSAM 1215050	MF12	1.5	48	8.5 x 6.5	8.5	12	82	22	4	5.0P	10.5	H3
SVSAM 1415050	MF14	1.5	48	10.5 x 8	10.5	14	88	22	4	5.0P	12.5	H3
SVSAM 1615050	MF16	1.5	52	12.5 x 10	12.5	16	95	22	4	5.0P	14.5	H3
SVSAM 1815050	MF18	1.5	55	14 x 11	14	18	100	25	4	5.0P	16.5	H3
SVSAM 2015050	MF20	1.5	58	15 x 12	15	20	105	25	4	5.0P	18.5	H3
SVSAM 2215050	MF22	1.5	63	17 x 13	17	22	115	25	4	5.0P	20.5	H3
SVSAM 2415050	MF24	1.5	66	19 x 15	19	24	120	28	4	5.0P	22.5	H3
SVSAM 2420050	MF24	2	66	19 x 15	19	24	120	28	4	5.0P	22	H3

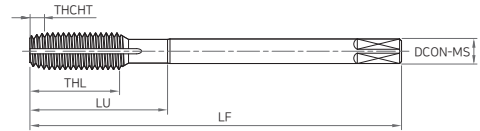
► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

P										K		N										M	S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo-Setting Plastic	Thermo-Plastic	Stainless Steels	Titanium Alloys		
~SM25C	SM25C~SM45C	SM45C~	SCM	25~45 HRC	45~55 HRC	50~60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni	
					○				◎															



M6 OR UNDER



M8 OVER

※ 2.0P Tap is removed external center as bottoming type

HSSE

Bright

EDP No	TDZ	TP	LU	CZC-MS	DCON-MS	TD	LF	THL	NOF	TCL	PHD	TCTR	THCHT
SVROM 0305020S	M3	0.5	17	4 x 3.2	4	3	46	11	S	2.0P	2.78	GH5	C
SVROM 0407020S	M4	0.7	19.5	5 x 4	5	4	52	13	S	2.0P	3.68	GH6	C
SVROM 0508020S	M5	0.8	23	5.5 x 4.5	5.5	5	60	16	S	2.0P	4.63	GH6	C
SVROM 0610020S	M6	1	27	6 x 4.5	6	6	62	19	S	2.0P	5.53	GH7	C
SVROM 0810020S	M8	1	35	6.2 x 5	6.2	8	70	22	S	2.0P	7.39	GH7	C
SVROM 0812520S	M8	1.25	35	6.2 x 5	6.2	8	70	22	S	2.0P	7.53	GH7	C
SVROM 1012520S	M10	1.25	40	7 x 5.5	7	10	75	24	S	2.0P	9.39	GH7	C
SVROM 1015020S	M10	1.5	40	7 x 5.5	7	10	75	24	S	2.0P	9.24	GH7	C
SVROM 1210020S	M12	1	44	8.5 x 6.5	8.5	12	82	29	S	2.0P	11.53	GH7	C
SVROM 1212520S	M12	1.25	44	8.5 x 6.5	8.5	12	82	29	S	2.0P	11.39	GH7	C
SVROM 1215020S	M12	1.5	44	8.5 x 6.5	8.5	12	82	29	S	2.0P	11.25	GH7	C
SVROM 1217520S	M12	1.75	44	8.5 x 6.5	8.5	12	82	29	S	2.0P	11.12	GH8	C
SVROM 0305020M	M3	0.5	17	4 x 3.2	4	3	46	11	M	2.0P	2.78	GH5	C
SVROM 0407020M	M4	0.7	19.5	5 x 4	5	4	52	13	M	2.0P	3.68	GH6	C
SVROM 0508020M	M5	0.8	23	5.5 x 4.5	5.5	5	60	16	M	2.0P	4.63	GH6	C
SVROM 0610020M	M6	1	27	6 x 4.5	6	6	62	19	M	2.0P	5.53	GH7	C
SVROM 0810020M	M8	1	35	6.2 x 5	6.2	8	70	22	M	2.0P	7.53	GH7	C
SVROM 0812520M	M8	1.25	35	6.2 x 5	6.2	8	70	22	M	2.0P	7.39	GH7	C
SVROM 1012520M	M10	1.25	40	7 x 5.5	7	10	75	24	M	2.0P	9.39	GH7	C
SVROM 1015020M	M10	1.5	40	7 x 5.5	7	10	75	24	M	2.0P	9.24	GH7	C

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

P							K		N										M	S			
Carbon Steel		Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo-Setting Plastic	Thermo-Plastic	Stainless Steels	Titanium Alloys		
-SM25C	SM25C -SM45C	SM45C-	SCM	25-45 HRC	45-55 HRC	50-60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni
○	○										○	○	○	○	○	◎		○					

EDP No	TDZ	TP	LU	CZC -MS	DCON -MS	TD	LF	THL	NOF	TCL	PHD	TCTR	THCHT
SVROM 1210020M	M12	1	44	8.5 x 6.5	8.5	12	82	29	M	2.0P	11.53	GH7	C
SVROM 1212520M	M12	1.25	44	8.5 x 6.5	8.5	12	82	29	M	2.0P	11.39	GH7	C
SVROM 1215020M	M12	1.5	44	8.5 x 6.5	8.5	12	82	29	M	2.0P	11.24	GH7	C
SVROM 1217520M	M12	1.75	44	8.5 x 6.5	8.5	12	82	29	M	2.0P	11.12	GH8	C
SVROM 0305040M	M3	0.5	17	4 x 3.2	4	3	46	11	M	4.0P	2.78	GH5	B
SVROM 0407040M	M4	0.7	19.5	5 x 4	5	4	52	13	M	4.0P	3.68	GH6	B
SVROM 0508040M	M5	0.8	23	5.5 x 4.5	5.5	5	60	16	M	4.0P	4.63	GH6	B
SVROM 0610040M	M6	1	27	6 x 4.5	6	6	62	19	M	4.0P	5.53	GH7	B
SVROM 0810040M	M8	1	35	6.2 x 5	6.2	8	70	22	M	4.0P	7.53	GH7	B
SVROM 0812540M	M8	1.25	35	6.2 x 5	6.2	8	70	22	M	4.0P	7.39	GH7	B
SVROM 1012540M	M10	1.25	40	7 x 5.5	7	10	75	24	M	4.0P	9.39	GH7	B
SVROM 1015040M	M10	1.5	40	7 x 5.5	7	10	75	24	M	4.0P	9.24	GH7	B
SVROM 1210040M	M12	1	44	8.5 x 6.5	8.5	12	82	29	M	4.0P	11.53	GH7	B
SVROM 1212540M	M12	1.25	44	8.5 x 6.5	8.5	12	82	29	M	4.0P	11.39	GH7	B
SVROM 1215040M	M12	1.5	44	8.5 x 6.5	8.5	12	82	29	M	4.0P	11.24	GH7	B
SVROM 1217540M	M12	1.75	44	8.5 x 6.5	8.5	12	82	29	M	4.0P	11.12	GH8	B

* Chamfer Lead : C - 2~3Thread, B - 4~5Thread, E - 1.5~2Thread

* Oil groove S : 1 Oil groove, Oil groove M : 4 Oil groove

DIN
TAP-
STARJIS
TAP-
STAR

► Applicable Working Material

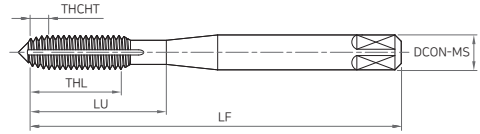
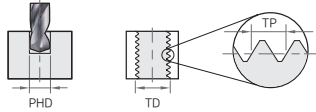
○ : GOOD ◎ : EXCELLENT

P										K		N										M	S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo Setting Plastic	Thermo Plastic	Stainless Steels	Titanium Alloys		
~SM25C	SM25C~SM45C	SM45C~	SCM	25~45 HRC	45~55 HRC	50~60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni	
○	○										○	○	○	○	○	◎		○						

SVRTM

JIS HSSE Roll Tap

Tap



M6 OR UNDER



M8 OVER

※ 2.0P Tap is removed external center as bottoming type

HSSE

TIN

EDP No	TDZ	TP	LU	CZC-MS	DCON-MS	TD	LF	THL	NOF	TCL	PHD	TCTR	THCHT
SVRTM 0305020S	M3	0.5	17	4 x 3.2	4	3	46	11	S	2.0P	2.78	GH5	C
SVRTM 0407020S	M4	0.7	19.5	5 x 4	5	4	52	13	S	2.0P	3.68	GH6	C
SVRTM 0508020S	M5	0.8	23	5.5 x 4.5	5.5	5	60	16	S	2.0P	4.63	GH6	C
SVRTM 0610020S	M6	1	27	6 x 4.5	6	6	62	19	S	2.0P	5.53	GH7	C
SVRTM 0810020S	M8	1	35	6.2 x 5	6.2	8	70	22	S	2.0P	7.39	GH7	C
SVRTM 0812520S	M8	1.25	35	6.2 x 5	6.2	8	70	22	S	2.0P	7.53	GH7	C
SVRTM 1012520S	M10	1.25	40	7 x 5.5	7	10	75	24	S	2.0P	9.39	GH7	C
SVRTM 1015020S	M10	1.5	40	7 x 5.5	7	10	75	24	S	2.0P	9.24	GH7	C
SVRTM 1210020S	M12	1	44	8.5 x 6.5	8.5	12	82	29	S	2.0P	11.53	GH7	C
SVRTM 1212520S	M12	1.25	44	8.5 x 6.5	8.5	12	82	29	S	2.0P	11.39	GH7	C
SVRTM 1215020S	M12	1.5	44	8.5 x 6.5	8.5	12	82	29	S	2.0P	11.24	GH7	C
SVRTM 1217520S	M12	1.75	44	8.5 x 6.5	8.5	12	82	29	S	2.0P	11.12	GH8	C
SVRTM 0305020M	M3	0.5	17	4 x 3.2	4	3	46	11	M	2.0P	2.78	GH5	C
SVRTM 0407020M	M4	0.7	19.5	5 x 4	5	4	52	13	M	2.0P	3.65	GH6	C
SVRTM 0508020M	M5	0.8	23	5.5 x 4.5	5.5	5	60	16	M	2.0P	4.63	GH6	C
SVRTM 0610020M	M6	1	27	6 x 4.5	6	6	62	19	M	2.0P	5.53	GH7	C
SVRTM 0810020M	M8	1	35	6.2 x 5	6.2	8	70	22	M	2.0P	7.53	GH7	C
SVRTM 0812520M	M8	1.25	35	6.2 x 5	6.2	8	70	22	M	2.0P	7.39	GH7	C
SVRTM 1012520M	M10	1.25	40	7 x 5.5	7	10	75	24	M	2.0P	9.39	GH7	C
SVRTM 1015020M	M10	1.5	40	7 x 5.5	7	10	75	24	M	2.0P	9.24	GH7	C

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

P										K		N										M	S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo-Setting Plastic	Thermo-Plastic	Stainless Steels	Titanium Alloys		
-SM25C	SM25C-SM45C	SM45C-	SCM	25-45 HRC	45-55 HRC	50-60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni	
○	○										○	○	○	○	○	◎		○						

EDP No	TDZ	TP	LU	CZC -MS	DCON -MS	TD	LF	THL	NOF	TCL	PHD	TCTR	THCHT
SVRTM 1210020M	M12	1	44	8.5 x 6.5	8.5	12	82	29	M	2.0P	11.53	GH7	C
SVRTM 1212520M	M12	1.25	44	8.5 x 6.5	8.5	12	82	29	M	2.0P	11.39	GH7	C
SVRTM 1215020M	M12	1.5	44	8.5 x 6.5	8.5	12	82	29	M	2.0P	11.24	GH7	C
SVRTM 1217520M	M12	1.75	44	8.5 x 6.5	8.5	12	82	29	M	2.0P	11.12	GH8	C
SVRTM 0305040M	M3	0.5	17	4 x 3.2	4	3	46	11	M	4.0P	2.78	GH5	B
SVRTM 0407040M	M4	0.7	19.5	5 x 4	5	4	52	13	M	4.0P	3.68	GH6	B
SVRTM 0508040M	M5	0.8	23	5.5 x 4.5	5.5	5	60	16	M	4.0P	4.63	GH6	B
SVRTM 0610040M	M6	1	27	6 x 4.5	6	6	62	19	M	4.0P	5.53	GH7	B
SVRTM 0810040M	M8	1	35	6.2 x 5	6.2	8	70	22	M	4.0P	7.53	GH7	B
SVRTM 0812540M	M8	1.25	35	6.2 x 5	6.2	8	70	22	M	4.0P	7.39	GH7	B
SVRTM 1012540M	M10	1.25	40	7 x 5.5	7	10	75	24	M	4.0P	9.39	GH7	B
SVRTM 1015040M	M10	1.5	40	7 x 5.5	7	10	75	24	M	4.0P	9.24	GH7	B
SVRTM 1210040M	M12	1	44	8.5 x 6.5	8.5	12	82	29	M	4.0P	11.53	GH7	B
SVRTM 1212540M	M12	1.25	44	8.5 x 6.5	8.5	12	82	29	M	4.0P	11.39	GH7	B
SVRTM 1215040M	M12	1.5	44	8.5 x 6.5	8.5	12	82	29	M	4.0P	11.24	GH7	B
SVRTM 1217540M	M12	1.75	44	8.5 x 6.5	8.5	12	82	29	M	4.0P	11.12	GH8	B

* Chamfer Lead : C ~ 2~3Thread, B ~ 4~5Thread, E ~ 1.5~2Thread

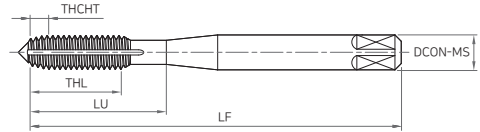
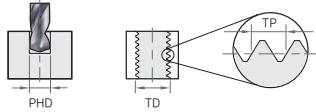
* Oil groove S : 1 Oil groove, Oil groove M : 4 Oil groove

DIN
TAP-
STARJIS
TAP-
STAR

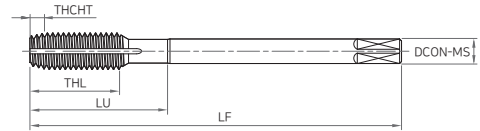
► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

P										K		N										M	S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo Setting Plastic	Thermo Plastic	Stainless Steels	Titanium Alloys		
~SM25C	SM25C~SM45C	SM45C~	SCM	25~45 HRC	45~55 HRC	50~60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni	
○	○										○	○	○	○	○	◎		○						



M6 OR UNDER



M8 OVER

2.0P Tap is removed external center as bottoming type

HSSE

TiCN

EDP No	TDZ	TP	LU	CZC-MS	DCON-MS	TD	LF	THL	NOF	TCL	PHD	TCTR	THCHT
SVRCM 0305020S	M3	0.5	17	4 x 3.2	4	3	46	11	S	2.0P	2.78	GH5	C
SVRCM 0407020S	M4	0.7	19.5	5 x 4	5	4	52	13	S	2.0P	3.68	GH6	C
SVRCM 0508020S	M5	0.8	23	5.5 x 4.5	5.5	5	60	16	S	2.0P	4.63	GH6	C
SVRCM 0610020S	M6	1	27	6 x 4.5	6	6	62	19	S	2.0P	5.53	GH7	C
SVRCM 0810020S	M8	1	35	6.2 x 5	6.2	8	70	22	S	2.0P	7.39	GH7	C
SVRCM 0812520S	M8	1.25	35	6.2 x 5	6.2	8	70	22	S	2.0P	7.53	GH7	C
SVRCM 1012520S	M10	1.25	40	7 x 5.5	7	10	75	24	S	2.0P	9.39	GH7	C
SVRCM 1015020S	M10	1.5	40	7 x 5.5	7	10	75	24	S	2.0P	9.24	GH7	C
SVRCM 1210020S	M12	1	44	8.5 x 6.5	8.5	12	82	29	S	2.0P	11.53	GH7	C
SVRCM 1212520S	M12	1.25	44	8.5 x 6.5	8.5	12	82	29	S	2.0P	11.39	GH7	C
SVRCM 1215020S	M12	1.5	44	8.5 x 6.5	8.5	12	82	29	S	2.0P	11.24	GH7	C
SVRCM 1217520S	M12	1.75	44	8.5 x 6.5	8.5	12	82	29	S	2.0P	11.12	GH8	C
SVRCM 0305020M	M3	0.5	17	4 x 3.2	4	3	46	11	M	2.0P	2.78	GH5	C
SVRCM 0407020M	M4	0.7	19.5	5 x 4	5	4	52	13	M	2.0P	3.68	GH6	C
SVRCM 0508020M	M5	0.8	23	5.5 x 4.5	5.5	5	60	16	M	2.0P	4.63	GH6	C
SVRCM 0610020M	M6	1	27	6 x 4.5	6	6	62	19	M	2.0P	5.53	GH7	C
SVRCM 0810020M	M8	1	35	6.2 x 5	6.2	8	70	22	M	2.0P	7.53	GH7	C
SVRCM 0812520M	M8	1.25	35	6.2 x 5	6.2	8	70	22	M	2.0P	7.39	GH7	C
SVRCM 1012520M	M10	1.25	40	7 x 5.5	7	10	75	24	M	2.0P	9.39	GH7	C
SVRCM 1015020M	M10	1.5	40	7 x 5.5	7	10	75	24	M	2.0P	9.24	GH7	C

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

P							K		N										M	S			
Carbon Steel		Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo-Setting Plastic	Thermo-Plastic	Stainless Steels	Titanium Alloys		
-SM25C	SM25C -SM45C	SM45C-	SCM	25-45 HRC	45-55 HRC	50-60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni
○	○										○	○	○	○	○	◎		○					

EDP No	TDZ	TP	LU	CZC -MS	DCON -MS	TD	LF	THL	NOF	TCL	PHD	TCTR	THCHT
SVRCM 1210020M	M12	1	44	8.5 x 6.5	8.5	12	82	29	M	2.0P	11.53	GH7	C
SVRCM 1212520M	M12	1.25	44	8.5 x 6.5	8.5	12	82	29	M	2.0P	11.39	GH7	C
SVRCM 1215020M	M12	1.5	44	8.5 x 6.5	8.5	12	82	29	M	2.0P	11.24	GH7	C
SVRCM 1217520M	M12	1.75	44	8.5 x 6.5	8.5	12	82	29	M	2.0P	11.12	GH8	C
SVRCM 0305040M	M3	0.5	17	4 x 3.2	4	3	46	11	M	4.0P	2.78	GH5	B
SVRCM 0407040M	M4	0.7	19.5	5 x 4	5	4	52	13	M	4.0P	3.68	GH6	B
SVRCM 0508040M	M5	0.8	23	5.5 x 4.5	5.5	5	60	16	M	4.0P	4.63	GH6	B
SVRCM 0610040M	M6	1	27	6 x 4.5	6	6	62	19	M	4.0P	5.53	GH7	B
SVRCM 0810040M	M8	1	35	6.2 x 5	6.2	8	70	22	M	4.0P	7.53	GH7	B
SVRCM 0812540M	M8	1.25	35	6.2 x 5	6.2	8	70	22	M	4.0P	7.39	GH7	B
SVRCM 1012540M	M10	1.25	40	7 x 5.5	7	10	75	24	M	4.0P	9.39	GH7	B
SVRCM 1015040M	M10	1.5	40	7 x 5.5	7	10	75	24	M	4.0P	9.24	GH7	B
SVRCM 1210040M	M12	1	44	8.5 x 6.5	8.5	12	82	29	M	4.0P	11.53	GH7	B
SVRCM 1212540M	M12	1.25	44	8.5 x 6.5	8.5	12	82	29	M	4.0P	11.39	GH7	B
SVRCM 1215040M	M12	1.5	44	8.5 x 6.5	8.5	12	82	29	M	4.0P	11.24	GH7	B
SVRCM 1217540M	M12	1.75	44	8.5 x 6.5	8.5	12	82	29	M	4.0P	11.12	GH8	B

* Chamfer Lead : C - 2~3Thread, B - 4~5Thread, E - 1.5~2Thread

* Oil groove S : 1 Oil groove, Oil groove M : 4 Oil groove

DIN
TAP-
STARJIS
TAP-
STAR

► Applicable Working Material

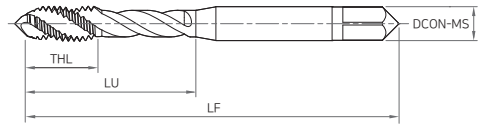
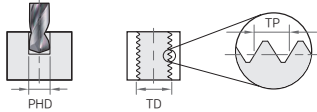
○ : GOOD ◎ : EXCELLENT

P										K		N										M	S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo Setting Plastic	Thermo Plastic	Stainless Steels	Titanium Alloys		
~SM25C	SM25C~SM45C	SM45C~	SCM	25~45 HRC	45~55 HRC	50~60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni	
○	○										○	○	○	○	○	◎		○						

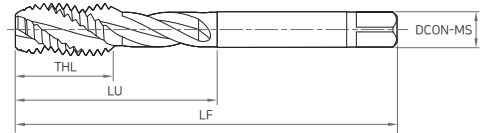
SWPOM

JIS Carbide Spiral Tap

Tap



M6 OR UNDER



M8 OVER

CARBIDE

Bright

15°
HELIX

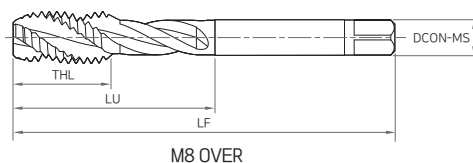
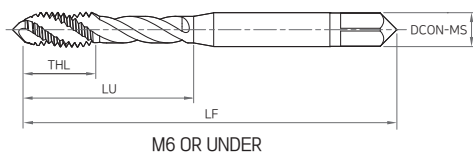
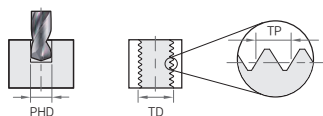
EDP No	TDZ	TP	LU	CZC -MS	DCON -MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SWPOM 0305025	M3	0.5	17	4 x 3.2	4	3	46	11	3	2.5P	2.5	WH3
SWPOM 0407025	M4	0.7	19.5	5 x 4	5	4	52	13	3	2.5P	3.3	WH3
SWPOM 0508025	M5	0.8	23	5.5 x 4.5	5.5	5	60	16	3	2.5P	4.2	WH3
SWPOM 0610025	M6	1	27	6 x 4.5	6	6	62	19	3	2.5P	5	WH3
SWPOM 0812525	M8	1.25	35	6.2 x 5	6.2	8	70	22	3	2.5P	6.8	WH4
SWPOM 1015025	M10	1.5	40	7 x 5.5	7	10	75	24	3	2.5P	8.5	WH4
SWPOM 1217525	M12	1.75	44	8.5 x 6.5	8.5	12	82	29	3	2.5P	10.2	WH5
SWPOM 0810025	M8	1	35	6.2 x 5	6.2	8	70	22	3	2.5P	7	WH3
SWPOM 1010025	M10	1	40	7 x 5.5	7	10	75	24	3	2.5P	9	WH3
SWPOM 1012525	M10	1.25	40	7 x 5.5	7	10	75	24	3	2.5P	8.8	WH4
SWPOM 1210025	M12	1	44	8.5 x 6.5	8.5	12	82	29	3	2.5P	11	WH3
SWPOM 1212525	M12	1.25	44	8.5 x 6.5	8.5	12	82	29	3	2.5P	10.8	WH4
SWPOM 1215025	M12	1.5	44	8.5 x 6.5	8.5	12	82	29	3	2.5P	10.5	WH4

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

P										K		N										M		S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo-Setting Plastic	Thermo-Plastic	Stainless Steels	Titanium Alloys			
~SM25C	SM25C~SM45C	SM45C~	SCM	25-45 HRC	45-55 HRC	50-60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni		
◎	◎	◎	◎	○				◎	○	○					◎	◎									

SWPCM JIS Carbide Spiral Tap



CARBIDE

TiCN

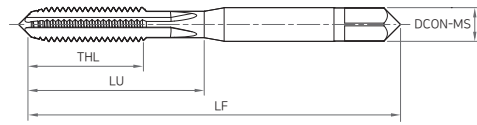
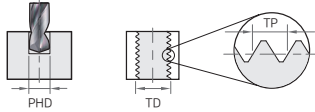
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HELIX

EDP No	TDZ	TP	LU	CZC-MS	DCON-MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SWPCM 0305025	M3	0.5	17	4 x 3.2	4	3	46	11	3	2.5P	2.5	WH3
SWPCM 0407025	M4	0.7	19.5	5 x 4	5	4	52	13	3	2.5P	3.3	WH3
SWPCM 0508025	M5	0.8	23	5.5 x 4.5	5.5	5	60	16	3	2.5P	4.2	WH3
SWPCM 0610025	M6	1	27	6 x 4.5	6	6	62	19	3	2.5P	5	WH3
SWPCM 0812525	M8	1.25	35	6.2 x 5	6.2	8	70	22	3	2.5P	6.8	WH4
SWPCM 1015025	M10	1.5	40	7 x 5.5	7	10	75	24	3	2.5P	8.5	WH4
SWPCM 1217525	M12	1.75	44	8.5 x 6.5	8.5	12	82	29	3	2.5P	10.2	WH5
SWPCM 0810025	M8	1	35	6.2 x 5	6.2	8	70	22	3	2.5P	7	WH3
SWPCM 1010025	M10	1	40	7 x 5.5	7	10	75	24	3	2.5P	9	WH3
SWPCM 1012525	M10	1.25	40	7 x 5.5	7	10	75	24	3	2.5P	8.8	WH4
SWPCM 1210025	M12	1	44	8.5 x 6.5	8.5	12	82	29	3	2.5P	11	WH3
SWPCM 1212525	M12	1.25	44	8.5 x 6.5	8.5	12	82	29	3	2.5P	10.8	WH4
SWPCM 1215025	M12	1.5	44	8.5 x 6.5	8.5	12	82	29	3	2.5P	10.5	WH4

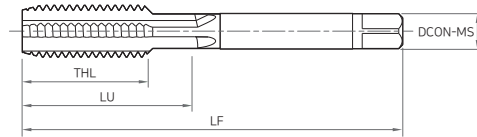
► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

P										K		N										M		S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo, Setting Plastic	Thermo, Plastic	Stainless Steels	Titanium Alloys			
~SM25C	SM25C~SM45C	SM45C~	SCM	25~45 HRC	45~55 HRC	50~60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni		
○	○	◎	◎	○	◎	◎	◎	◎	○	○															



M6 OR UNDER



M8 OVER

* ≤M6, 1.5P Tap is removed external center as bottoming type

CARBIDE

Bright

EDP No	TDZ	TP	LU	CZC-MS	DCON-MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SWSOM 0305015	M03	0.5	17	4 × 3.2	4	3	46	11	3	1.5P	2.5	WH3
SWSOM 0407015	M04	0.7	19.5	5 × 4	5	4	52	13	3	1.5P	3.3	WH3
SWSOM 0508015	M05	0.8	23	5.5 × 4.5	5.5	5	60	16	3	1.5P	4.2	WH3
SWSOM 0610015	M06	1	27	6 × 4.5	6	6	62	19	3	1.5P	5	WH3
SWSOM 0812515	M08	1.25	35	6.2 × 5	6.2	8	70	22	4	1.5P	6.8	WH4
SWSOM 1015015	M10	1.5	40	7 × 5.5	7	10	75	24	4	1.5P	8.5	WH4
SWSOM 1217515	M12	1.75	44	8.5 × 6.5	8.5	12	82	29	4	1.5P	10.2	WH5
SWSOM 0810015	M08	1	35	6.2 × 5	6.2	8	70	22	4	1.5P	7	WH3
SWSOM 1010015	M10	1	40	7 × 5.5	7	10	75	24	4	1.5P	9	WH3
SWSOM 1012515	M10	1.25	40	7 × 5.5	7	10	75	24	4	1.5P	8.8	WH4
SWSOM 1210015	M12	1	44	8.5 × 6.5	8.5	12	82	29	4	1.5P	11	WH3
SWSOM 1212515	M12	1.25	44	8.5 × 6.5	8.5	12	82	29	4	1.5P	10.8	WH4
SWSOM 1215015	M12	1.5	44	8.5 × 6.5	8.5	12	82	29	4	1.5P	10.5	WH4
SWSOM 0305030	M03	0.5	17	4 × 3.2	4	3	46	11	3	3.0P	2.5	WH3
SWSOM 0407030	M04	0.7	19.5	5 × 4	5	4	52	13	3	3.0P	3.3	WH3
SWSOM 0508030	M05	0.8	23	5.5 × 4.5	5.5	5	60	16	3	3.0P	4.2	WH3
SWSOM 0610030	M06	1	27	6 × 4.5	6	6	62	19	3	3.0P	5	WH3
SWSOM 0812530	M08	1.25	35	6.2 × 5	6.2	8	70	22	4	3.0P	6.8	WH4
SWSOM 1015030	M10	1.5	40	7 × 5.5	7	10	75	24	4	3.0P	8.5	WH4
SWSOM 1217530	M12	1.75	44	8.5 × 6.5	8.5	12	82	29	4	3.0P	10.2	WH5

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

P										K		N										M	S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo-Setting Plastic	Thermo-Plastic	Stainless Steels	Titanium Alloys		
-SM25C	SM25C-SM45C	SM45C-	SCM	25-45 HRC	45-55 HRC	50-60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni	
○	○	○	○	○				○	◎	◎						◎	◎							

EDP No	TDZ	TP	LU	CZC-MS	DCON-MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SWSOM 0810030	M08	1	35	6.2 x 5	6.2	8	70	22	4	3.0P	7	WH3
SWSOM 1010030	M10	1	40	7 x 5.5	7	10	75	24	4	3.0P	9	WH3
SWSOM 1012530	M10	1.25	40	7 x 5.5	7	10	75	24	4	3.0P	8.8	WH4
SWSOM 1210030	M12	1	44	8.5 x 6.5	8.5	12	82	29	4	3.0P	11	WH3
SWSOM 1212530	M12	1.25	44	8.5 x 6.5	8.5	12	82	29	4	3.0P	10.8	WH4
SWSOM 1215030	M12	1.5	44	8.5 x 6.5	8.5	12	82	29	4	3.0P	10.5	WH4

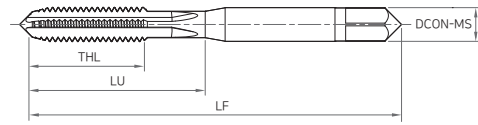
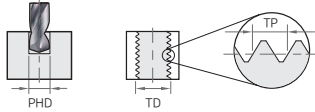
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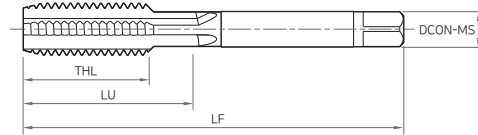
► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

P										K		N										M	S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum, Alloy Casting	Magnesium, Alloy Casting	Zinc, Alloy Casting	Thermo, Setting Plastic	Thermo, Plastic	Stainless Steels	Titanium Alloys		
~SM25C	SM25C ~SM45C	SM45C~	SCM	25~45 HRC	45~55 HRC	50~60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni	
○	○	○	○	○				○	◎	◎						◎	◎							



M6 OR UNDER



M8 OVER

* ≤M6, 1.5P Tap is removed external center as bottoming type

CARBIDE

TiCN

EDP No	TDZ	TP	LU	CZC-MS	DCON-MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SWSCM 0305015	M03	0.5	17	4 × 3.2	4	3	46	11	3	1.5P	2.5	WH3
SWSCM 0407015	M04	0.7	19.5	5 × 4	5	4	52	13	3	1.5P	3.3	WH3
SWSCM 0508015	M05	0.8	23	5.5 × 4.5	5.5	5	60	16	3	1.5P	4.2	WH3
SWSCM 0610015	M06	1	27	6 × 4.5	6	6	62	19	3	1.5P	5	WH3
SWSCM 0812515	M08	1.25	35	6.2 × 5	6.2	8	70	22	4	1.5P	6.8	WH4
SWSCM 1015015	M10	1.5	40	7 × 5.5	7	10	75	24	4	1.5P	8.5	WH4
SWSCM 1217515	M12	1.75	44	8.5 × 6.5	8.5	12	82	29	4	1.5P	10.2	WH5
SWSCM 0810015	M08	1	35	6.2 × 5	6.2	8	70	22	4	1.5P	7	WH3
SWSCM 1010015	M10	1	40	7 × 5.5	7	10	75	24	4	1.5P	9	WH3
SWSCM 1012515	M10	1.25	40	7 × 5.5	7	10	75	24	4	1.5P	8.8	WH4
SWSCM 1210015	M12	1	44	8.5 × 6.5	8.5	12	82	29	4	1.5P	11	WH3
SWSCM 1212515	M12	1.25	44	8.5 × 6.5	8.5	12	82	29	4	1.5P	10.8	WH4
SWSCM 1215015	M12	1.5	44	8.5 × 6.5	8.5	12	82	29	4	1.5P	10.5	WH4
SWSCM 0305030	M03	0.5	17	4 × 3.2	4	3	46	11	3	3.0P	2.5	WH3
SWSCM 0407030	M04	0.7	19.5	5 × 4	5	4	52	13	3	3.0P	3.3	WH3
SWSCM 0508030	M05	0.8	23	5.5 × 4.5	5.5	5	60	16	3	3.0P	4.2	WH3
SWSCM 0610030	M06	1	27	6 × 4.5	6	6	62	19	3	3.0P	5	WH3
SWSCM 0812530	M08	1.25	35	6.2 × 5	6.2	8	70	22	4	3.0P	6.8	WH4
SWSCM 1015030	M10	1.5	40	7 × 5.5	7	10	75	24	4	3.0P	8.5	WH4
SWSCM 1217530	M12	1.75	44	8.5 × 6.5	8.5	12	82	29	4	3.0P	10.2	WH5

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

P										K		N										M	S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo-Setting Plastic	Thermo-Plastic	Stainless Steels	Titanium Alloys		
-SM25C	SM25C-SM45C	SM45C-	SCM	25-45 HRC	45-55 HRC	50-60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni	

EDP No	TDZ	TP	LU	CZC-MS	DCON-MS	TD	LF	THL	NOF	TCL	PHD	TCTR
SWSCM 0810030	M08	1	35	6.2 x 5	6.2	8	70	22	4	3.0P	7	WH3
SWSCM 1010030	M10	1	40	7 x 5.5	7	10	75	24	4	3.0P	9	WH3
SWSCM 1012530	M10	1.25	40	7 x 5.5	7	10	75	24	4	3.0P	8.8	WH4
SWSCM 1210030	M12	1	44	8.5 x 6.5	8.5	12	82	29	4	3.0P	11	WH3
SWSCM 1212530	M12	1.25	44	8.5 x 6.5	8.5	12	82	29	4	3.0P	10.8	WH4
SWSCM 1215030	M12	1.5	44	8.5 x 6.5	8.5	12	82	29	4	3.0P	10.5	WH4

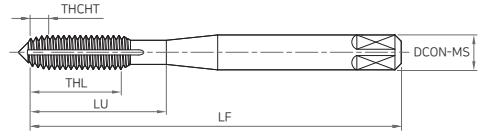
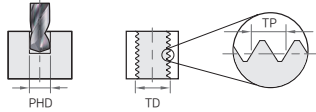
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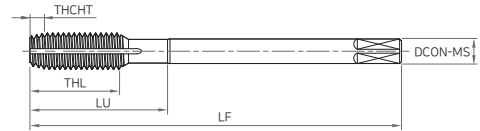
► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

P										K		N										M	S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum, Alloy Casting	Magnesium, Alloy Casting	Zinc, Alloy Casting	Thermo, Setting Plastic	Thermo, Plastic	Stainless Steels	Titanium Alloys		
~SM25C	SM25C~SM45C	SM45C~	SCM	25~45 HRC	45~55 HRC	50~60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni	
					○	○	○	○	◎	◎														



M6 OR UNDER



M8 OVER

* 2.0P Tap is removed external center as bottoming type

CARBIDE

Bright

EDP No	TDZ	TP	LU	CZC-MS	DCON-MS	TD	LF	THL	NOF	TCL	PHD	TCTR	THCHT
SWROM 0305020S	M3	0.5	17	4 x 3.2	4	3	46	11	S	2.0P	2.78	GH5	C
SWROM 0407020S	M4	0.7	19.5	5 x 4	5	4	52	13	S	2.0P	3.68	GH6	C
SWROM 0508020S	M5	0.8	23	5.5 x 4.5	5.5	5	60	16	S	2.0P	4.63	GH6	C
SWROM 0610020S	M6	1	27	6 x 4.5	6	6	62	19	S	2.0P	5.53	GH7	C
SWROM 0812520S	M8	1.25	35	6.2 x 5	6.2	8	70	22	S	2.0P	7.39	GH7	C
SWROM 1012520S	M10	1.25	40	7 x 5.5	7	10	75	24	S	2.0P	9.39	GH7	C
SWROM 1015020S	M10	1.5	40	7 x 5.5	7	10	75	24	S	2.0P	9.24	GH7	C
SWROM 1210020S	M12	1	44	8.5 x 6.5	8.5	12	82	29	S	2.0P	11.53	GH7	C
SWROM 1212520S	M12	1.25	44	8.5 x 6.5	8.5	12	82	29	S	2.0P	11.39	GH7	C
SWROM 1215020S	M12	1.5	44	8.5 x 6.5	8.5	12	82	29	S	2.0P	11.24	GH7	C
SWROM 1217520S	M12	1.75	44	8.5 x 6.5	8.5	12	82	29	S	2.0P	11.12	GH8	C
SWROM 0305020M	M3	0.5	17	4 x 3.2	4	3	46	11	M	2.0P	2.78	GH5	C
SWROM 0407020M	M4	0.7	19.5	5 x 4	5	4	52	13	M	2.0P	3.68	GH6	C
SWROM 0508020M	M5	0.8	23	5.5 x 4.5	5.5	5	60	16	M	2.0P	4.63	GH6	C
SWROM 0610020M	M6	1	27	6 x 4.5	6	6	62	19	M	2.0P	5.53	GH7	C
SWROM 0812520M	M8	1.25	35	6.2 x 5	6.2	8	70	22	M	2.0P	7.39	GH7	C
SWROM 1012520M	M10	1.25	40	7 x 5.5	7	10	75	24	M	2.0P	9.39	GH7	C
SWROM 1015020M	M10	1.5	40	7 x 5.5	7	10	75	24	M	2.0P	9.24	GH7	C
SWROM 1210020M	M12	1	44	8.5 x 6.5	8.5	12	82	29	M	2.0P	11.53	GH7	C
SWROM 1212520M	M12	1.25	44	8.5 x 6.5	8.5	12	82	29	M	2.0P	11.39	GH7	C

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

P										K		N										M	S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo-Setting Plastic	Thermo-Plastic	Stainless Steels	Titanium Alloys		
-SM25C	SM25C -SM45C	SM45C-	SCM	25-45 HRC	45-55 HRC	50-60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni	
○	○										◎	◎	◎	◎	◎	◎		◎						

SWROM

JIS Carbide Roll Tap

Tap

EDP No	TDZ	TP	LU	CZC -MS	DCON -MS	TD	LF	THL	NOF	TCL	PHD	TCTR	THCHT
SWROM 1215020M	M12	1.5	44	8.5 x 6.5	8.5	12	82	29	M	2.0P	11.24	GH7	C
SWROM 1217520M	M12	1.75	44	8.5 x 6.5	8.5	12	82	29	M	2.0P	11.12	GH8	C
SWROM 0305040M	M3	0.5	17	4 x 3.2	4	3	46	11	M	4.0P	2.78	GH5	B
SWROM 0407040M	M4	0.7	19.5	5 x 4	5	4	52	13	M	4.0P	3.68	GH6	B
SWROM 0508040M	M5	0.8	23	5.5 x 4.5	5.5	5	60	16	M	4.0P	4.63	GH6	B
SWROM 0610040M	M6	1	27	6 x 4.5	6	6	62	19	M	4.0P	5.53	GH7	B
SWROM 0812540M	M8	1.25	35	6.2 x 5	6.2	8	70	22	M	4.0P	7.39	GH7	B
SWROM 1012540M	M10	1.25	40	7 x 5.5	7	10	75	24	M	4.0P	9.39	GH7	B
SWROM 1015040M	M10	1.5	40	7 x 5.5	7	10	75	24	M	4.0P	9.24	GH7	B
SWROM 1210040M	M12	1	44	8.5 x 6.5	8.5	12	82	29	M	4.0P	11.53	GH7	B
SWROM 1212540M	M12	1.25	44	8.5 x 6.5	8.5	12	82	29	M	4.0P	11.39	GH7	B
SWROM 1215040M	M12	1.5	44	8.5 x 6.5	8.5	12	82	29	M	4.0P	11.24	GH7	B
SWROM 1217540M	M12	1.75	44	8.5 x 6.5	8.5	12	82	29	M	4.0P	11.12	GH8	B

* Chamfer Lead : C - 2~3Thread, B - 4~5Thread, E - 1.5~2Thread

* Oil groove S : 1 Oil groove, Oil groove M : 4 Oil groove

DIN
TAP-
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JIS
TAP-
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► Applicable Working Material

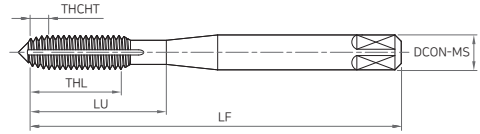
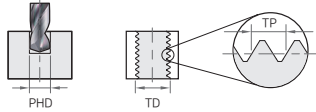
○ : GOOD ◎ : EXCELLENT

P										K		N										M		S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo, Setting Plastic	Thermo, Plastic	Stainless Steels	Titanium Alloys			
~SM25C	SM25C~SM45C	SM45C~	SCM	25~45 HRC	45~55 HRC	50~60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni		
○	○										◎	◎	◎	◎	◎	◎		◎							

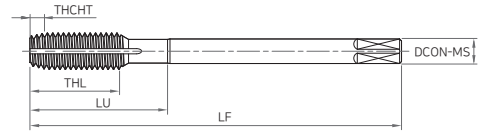
SWRCM

JIS Carbide Roll Tap

Tap



M6 OR UNDER



M8 OVER

※ 2.0P Tap is removed external center as bottoming type

CARBIDE

TiCN

EDP No	TDZ	TP	LU	CZC-MS	DCON-MS	TD	LF	THL	NOF	TCL	PHD	TCTR	THCHT
SWRCM 0305020S	M3	0.5	17	4 x 3.2	4	3	46	11	S	2.0P	2.78	GH5	C
SWRCM 0407020S	M4	0.7	19.5	5 x 4	5	4	52	13	S	2.0P	3.68	GH6	C
SWRCM 0508020S	M5	0.8	23	5.5 x 4.5	5.5	5	60	16	S	2.0P	4.63	GH6	C
SWRCM 0610020S	M6	1	27	6 x 4.5	6	6	62	19	S	2.0P	5.53	GH7	C
SWRCM 0812520S	M8	1.25	35	6.2 x 5	6.2	8	70	22	S	2.0P	7.39	GH7	C
SWRCM 1012520S	M10	1.25	40	7 x 5.5	7	10	75	24	S	2.0P	9.39	GH7	C
SWRCM 1015020S	M10	1.5	40	7 x 5.5	7	10	75	24	S	2.0P	9.24	GH7	C
SWRCM 1210020S	M12	1	44	8.5 x 6.5	8.5	12	82	29	S	2.0P	11.53	GH7	C
SWRCM 1212520S	M12	1.25	44	8.5 x 6.5	8.5	12	82	29	S	2.0P	11.39	GH7	C
SWRCM 1215020S	M12	1.5	44	8.5 x 6.5	8.5	12	82	29	S	2.0P	11.24	GH7	C
SWRCM 1217520S	M12	1.75	44	8.5 x 6.5	8.5	12	82	29	S	2.0P	11.12	GH8	C
SWRCM 0305020M	M3	0.5	17	4 x 3.2	4	3	46	11	M	2.0P	2.78	GH5	C
SWRCM 0407020M	M4	0.7	19.5	5 x 4	5	4	52	13	M	2.0P	3.68	GH6	C
SWRCM 0508020M	M5	0.8	23	5.5 x 4.5	5.5	5	60	16	M	2.0P	4.63	GH6	C
SWRCM 0610020M	M6	1	27	6 x 4.5	6	6	62	19	M	2.0P	5.53	GH7	C
SWRCM 0812520M	M8	1.25	35	6.2 x 5	6.2	8	70	22	M	2.0P	7.39	GH7	C
SWRCM 1012520M	M10	1.25	40	7 x 5.5	7	10	75	24	M	2.0P	9.39	GH7	C
SWRCM 1015020M	M10	1.5	40	7 x 5.5	7	10	75	24	M	2.0P	9.24	GH7	C
SWRCM 1210020M	M12	1	44	8.5 x 6.5	8.5	12	82	29	M	2.0P	11.53	GH7	C
SWRCM 1212520M	M12	1.25	44	8.5 x 6.5	8.5	12	82	29	M	2.0P	11.39	GH7	C

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

P										K		N										M		S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo-Setting Plastic	Thermo-Plastic	Stainless Steels	Titanium Alloys			
-SM25C	SM25C-SM45C	SM45C-	SCM	25-45 HRC	45-55 HRC	50-60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni		
○	○										◎	◎	◎	◎	◎	◎		◎							

EDP No	TDZ	TP	LU	CZC -MS	DCON -MS	TD	LF	THL	NOF	TCL	PHD	TCTR	THCHT
SWRCM 1215020M	M12	1.5	44	8.5 x 6.5	8.5	12	82	29	M	2.0P	11.24	GH7	C
SWRCM 1217520M	M12	1.75	44	8.5 x 6.5	8.5	12	82	29	M	2.0P	11.12	GH8	C
SWRCM 0305040M	M3	0.5	17	4 x 3.2	4	3	46	11	M	4.0P	2.78	GH5	B
SWRCM 0407040M	M4	0.7	19.5	5 x 4	5	4	52	13	M	4.0P	3.68	GH6	B
SWRCM 0508040M	M5	0.8	23	5.5 x 4.5	5.5	5	60	16	M	4.0P	4.63	GH6	B
SWRCM 0610040M	M6	1	27	6 x 4.5	6	6	62	19	M	4.0P	5.53	GH7	B
SWRCM 0812540M	M8	1.25	35	6.2 x 5	6.2	8	70	22	M	4.0P	7.39	GH7	B
SWRCM 1012540M	M10	1.25	40	7 x 5.5	7	10	75	24	M	4.0P	9.39	GH7	B
SWRCM 1015040M	M10	1.5	40	7 x 5.5	7	10	75	24	M	4.0P	9.24	GH7	B
SWRCM 1210040M	M12	1	44	8.5 x 6.5	8.5	12	82	29	M	4.0P	11.53	GH7	B
SWRCM 1212540M	M12	1.25	44	8.5 x 6.5	8.5	12	82	29	M	4.0P	11.39	GH7	B
SWRCM 1215040M	M12	1.5	44	8.5 x 6.5	8.5	12	82	29	M	4.0P	11.24	GH7	B
SWRCM 1217540M	M12	1.75	44	8.5 x 6.5	8.5	12	82	29	M	4.0P	11.12	GH8	B

* Chamfer Lead : C - 2~3Thread, B - 4~5Thread, E - 1.5~2Thread

* Oil groove S : 1 Oil groove, Oil groove M : 4 Oil groove

DIN
TAP-
STARJIS
TAP-
STAR

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

P										K		N										M	S	
Carbon Steel			Alloy Steel	Hardened Steel			Tool Steel	Cast Steel	Cast Iron	High Strength Steel	Unalloyed Copper	Brass	Brass Casting	Bronze	Aluminum	Aluminum Alloy Casting	Magnesium Alloy Casting	Zinc Alloy Casting	Thermo, Setting Plastic	Thermo, Plastic	Stainless Steels	Titanium Alloys		
~SM25C	SM25C~SM45C	SM45C~	SCM	25~45 HRC	45~55 HRC	50~60 HRC	STD	SC	GC	GCD	Cu	Bs	BsC	CAC	Axx	AC, ALDC	MC	ZDC	Bakelite phenol epoxy	Nylon vinyl chloride	STS	Ti	Ni	
○	○										◎	◎	◎	◎	◎	◎		◎						

Centering Tool Series

Centering Tool

P. 581

Centering Tool

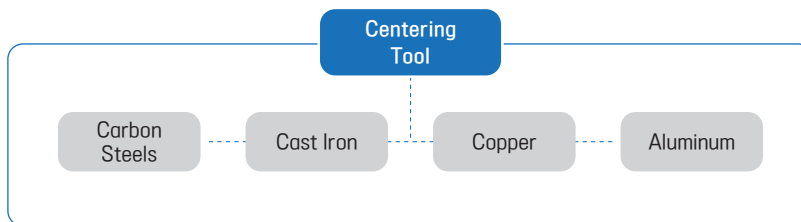
Characteristics

- Suitable for machining a wide range of materials, from carbon steel to cast iron, copper, and aluminum
- Processing the corners chamfering and R shape processing

Features

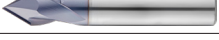
- Enough to customized work on corner chamfering and R shape processing
- Excellent retentivity for Flute hardness and High temperature harness by applied to TiAlN, AlTiN coating

Applications



Centering Tool

Contents

EDP No	Geometry	Product	Page
CDS		Solid Center Drill	583
LDS		NC Spotting Drill	584
LDF---W		NC Spotting Drill - Multi Type	586
CES302(60°)		Centering End Mill - Solid Type(60°)	587
CES302(90°)		Centering End Mill - Solid Type(90°)	588
CEM---W		Centering End Mill - Brazed Type	589
CRC		Corner Rounding Cutter	590
CFT---W		Chamfer Tool	591
CCT		Chamfer Cutter	592
CCF		Chamfer Cutter Face	593

EDP No. System

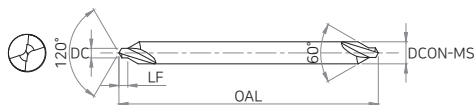
* If expressed as an integer, the decimal point is omitted.

C ①	DS ②	030 ③
---------------	----------------	-----------------

① Appearance	② Type	③ Diameter
C : Center	DS : Drill Spotting(Metric)	30
L : Leading	DA : Drill Spotting(Inch) (Variable Point Angle)	35
CE : Centering End Mill	DF : Drill Spotting Multy Type	40
CR : Corner Rounding	S : End Mill Solid Type	
CF : Chamfer	M : End Mill Brazed Type	
CC : Chamfer Cutter	C : Cutter	
	T : Tool	
	F : Face	

CDS Solid Center Drill

Centering
Tool



Centering
Tool

► Tolerance

DC		Shank Dia
All Sizes	0 ~ +0.1	h6

CARBIDE

Bright

15°
HELIX

EDP No	DC	LF	OAL	DCONMS
CDS 010	1	1.5	40	3
CDS 015	1.5	2.2	40	4
CDS 020	2	3	45	5
CDS 025	2.5	3.8	45	6
CDS 030	3	4.8	55	8
CDS 040	4	6	60	10
CDS 050	5	7.5	65	12

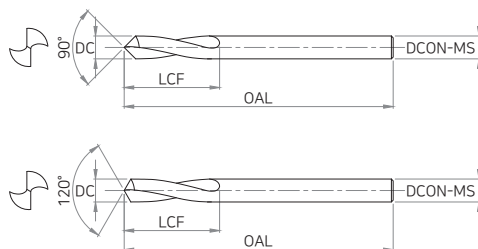
► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

H		P			K	N			M	S
Hardened Steel		Carbon Steel	Alloy Steel	Prehardened Steel	Cast Iron	Copper	Graphite	Aluminum	Stainless Steel	Heat Resistant Alloy
SKD61 ~HRc55	SKD11 HRc55~	~HB225	HB225 ~325	HRc30~50	~FCD500					
		○			○	○		○	○	

LDS NC Spotting Drill

Centering
Tool



Centering
Tool

► Tolerance

DC		Shank Dia
All Sizes	0 ~ +0.1	h6



EDP No	DC	LCF	OAL	DCONMS	Point Angle
LDS 030	3	9	50	3	90°
LDS 030L	3	10	100	3	90°
LDS 030A	3	9	50	3	120°
LDS 040	4	10	50	4	90°
LDS 040L	4	12	100	4	90°
LDS 040A	4	10	50	4	120°
LDS 050	5	12	50	5	90°
LDS 050A	5	12	50	5	120°
LDS 060	6	13	60	6	90°
LDS 060L	6	18	110	6	90°
LDS 060A	6	13	60	6	120°
LDS 080	8	23	70	8	90°
LDS 080L	8	23	150	8	90°
LDS 080A	8	23	70	8	120°
LDS 100	10	24	80	10	90°
LDS 100L	10	24	150	10	90°
LDS 100A	10	24	80	10	120°
LDS 120	12	28	80	12	90°
LDS 120L	12	24	150	12	90°
LDS 120A	12	28	80	12	120°

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

H		P			K	N			M	S
Hardened Steel		Carbon Steel	Alloy Steel	Prehardened Steel	Cast Iron	Copper	Graphite	Aluminum	Stainless Steel	Heat Resistant Alloy
SKD61 ~HRC55	SKD11 HRC55~	~HB225	~HB225	~HRC30~50	~FC500					
		○			○	○		○	○	

LDS

NC Spotting Drill

Centering
Tool

EDP No	DC	LCF	OAL	DCONMS	Point Angle
LDS 160	16	32	90	16	90°
LDS 160A	16	32	90	16	120°
LDS 200	20	35	100	20	90°
LDS 200A	20	35	100	20	120°

Centering
Tool

► Applicable Working Material

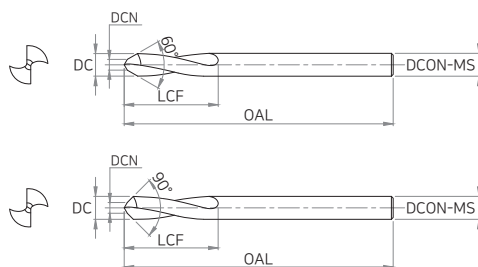
○ : GOOD ◎ : EXCELLENT

H		P			K	N			M	S
Hardened Steel		Carbon Steel	Alloy Steel	Prehardened Steel	Cast Iron	Copper	Graphite	Aluminum	Stainless Steel	Heat Resistant Alloy
SKD61 ~HRc55	SKD11 HRc55~	~HB225	HB225 ~325	HRc30~50	~FCD500					
		○			○	○		○	○	

LDF-W

NC Spotting Drill - Multi Type

Centering
Tool



Centering
Tool

► Tolerance

DC		Shank Dia
All Sizes	0 ~ +0.1	h6



EDP No	DC	LCF	OAL	DCONMS	DCN
LDF 0360W	3	9	50	3	1.5
LDF 0390W	3	9	50	3	1.2
LDF 0460W	4	10	50	4	1.7
LDF 0490W	4	10	50	4	1.3
LDF 0560W	5	12	50	5	1.9
LDF 0590W	5	12	50	5	1.5
LDF 0660W	6	18	60	6	1.9
LDF 0690W	6	18	60	6	1.5
LDF 0860W	8	23	70	8	1.9
LDF 0890W	8	23	70	8	1.6
LDF 1060W	10	24	80	10	2.1
LDF 1090W	10	24	80	10	2.1
LDF 1260W	12	28	80	12	2.1
LDF 1290W	12	28	80	12	2.1

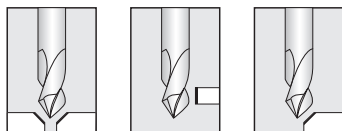
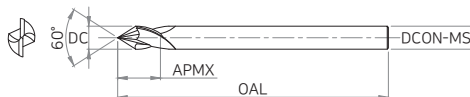
► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

H		P			K	N			M	S
Hardened Steel		Carbon Steel	Alloy Steel	Prehardened Steel	Cast Iron	Copper	Graphite	Aluminum	Stainless Steel	Heat Resistant Alloy
SKD61 ~HRC55	SKD11 HRC55~	~HB225	HB225 ~325	HRC30~50	~FCD500					
		○			○	○		○	○	

CES302(60°)

Centering End Mill - Solid Type(60°)



Centering
Tool

Centering
Tool

► Tolerance

DC		Shank Dia
All Sizes	0 ~ -0.05	h6



EDP No		DC	APMX	OAL	DCONMS
Uncoated	Coated				
CES302 030-60S3	CES302 030-60S3-C	3	6	50	3
CES302 040-60S4	CES302 040-60S4-C	4	8	50	4
CES302 050-60S5	CES302 050-60S5-C	5	10	50	5
CES302 060-60	CES302 060-60-C	6	12	60	6
CES302 080-60	CES302 080-60-C	8	16	70	8
CES302 100-60	CES302 100-60-C	10	18	70	10
CES302 120-60	CES302 120-60-C	12	20	75	12

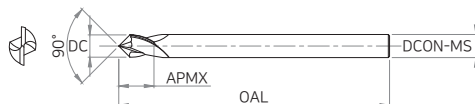
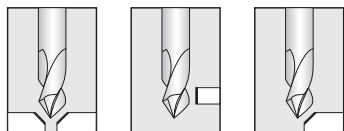
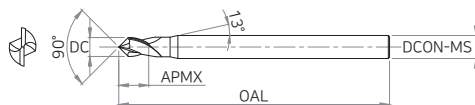
► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

H		P			K	N			M	S
Hardened Steel		Carbon Steel	Alloy Steel	Prehardened Steel	Cast Iron	Copper	Graphite	Aluminum	Stainless Steel	Heat Resistant Alloy
SKD61 ~HRc55	SKD11 HRc55~	~HB225	HB225 ~325	HRc30~50	~FCD500					
		○			○	○		○	○	

CES302(90°)

Centering End Mill - Solid Type(90°)



► Tolerance

DC		Shank Dia
All Sizes	0 ~ -0.05	h6



EDP No		DC	APMX	OAL	DCONMS
Uncoated	Coated				
CES302 020	CES302 020-C	2	5	50	3
CES302 030	CES302 030-C	3	6	50	6
CES302 030S3	CES302 030S3-C	3	6	50	3
CES302 040	CES302 040-C	4	8	50	6
CES302 040S4	CES302 040S4-C	4	8	50	4
CES302 050	CES302 050-C	5	10	50	6
CES302 050S5	CES302 050S5-C	5	10	50	5
CES302 060	CES302 060-C	6	12	60	6
CES302 080	CES302 080-C	8	16	70	8
CES302 100	CES302 100-C	10	18	70	10
CES302 120	CES302 120-C	12	20	75	12
CES302 140	CES302 140-C	14	24	80	14
CES302 160	CES302 160-C	16	26	80	16
CES302 200	CES302 200-C	20	32	100	20

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

H		P			K	N			M	S
Hardened Steel		Carbon Steel	Alloy Steel	Prehardened Steel	Cast Iron	Copper	Graphite	Aluminum	Stainless Steel	Heat Resistant Alloy
SKD61 ~HRc55	SKD11 HRc55~	~HB225	~325	HRc30~50	~FCD500					
		○			○	○		○	○	