

❖ **TAPPING MACHINE**
Industrial



Industrial Tapping Machine

SUMAKE Company Profile

Sumake is a manufacturer and exporter specializing in professional high quality pneumatic tools, compressors and accessories suited to a wide range of applications including industrial and automotive.

We are an innovative company.

As a result of constant research and investment we keep at the forefront of current technology and design, thus providing energy efficient, durable and reliable products to industrial markets around the world.

We offer a wide, comprehensive range of CE certified tools and accessories including:

Impact Wrenches, Ratchet Wrenches, Sanders, Screwdrivers, Spray Guns, Riveters, Nail Guns and Bradders, just to name a few.

Certified to ISO 9001 we run efficient well organized computerised Q.C. ensure we meet quality, packaging and delivery benchmarks. We guarantee our customers complete spare parts back up for everything we provide.

Superior service to our customers is not a goal, it's a reality.

Sumake, partners in business.



SUMAKE attended many international exhibitions and has been known for variety high-end innovations with vivid posters.

Our spotlighted showcase can not only catch your eye but try your hand to experience in person.

Index

Air	Air Tapping Machine	01 - 03
Hydraulic	Hydraulic Tapping Machine	04 - 05
Electric	Electric Tapping Machine	06
Acc. Air	Accessories Of Air Tapping Machine	07
Acc.	Accessories Of Air / Hydraulic / Electric Tapping Machine	07 - 08
Tap Shank	Tap Shank Diemensions	09

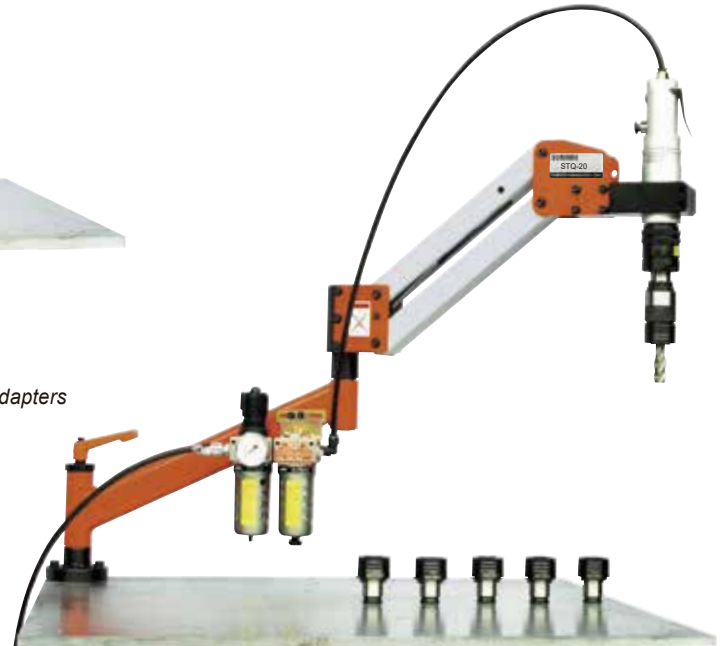
Air Tapping Machine (Tap Capacity M2~M27)



STQ-08 M2~M8
STQ-12 M3~M12
STQ-16 M3~M16
 Air Tapping Machine

Standard Accessories

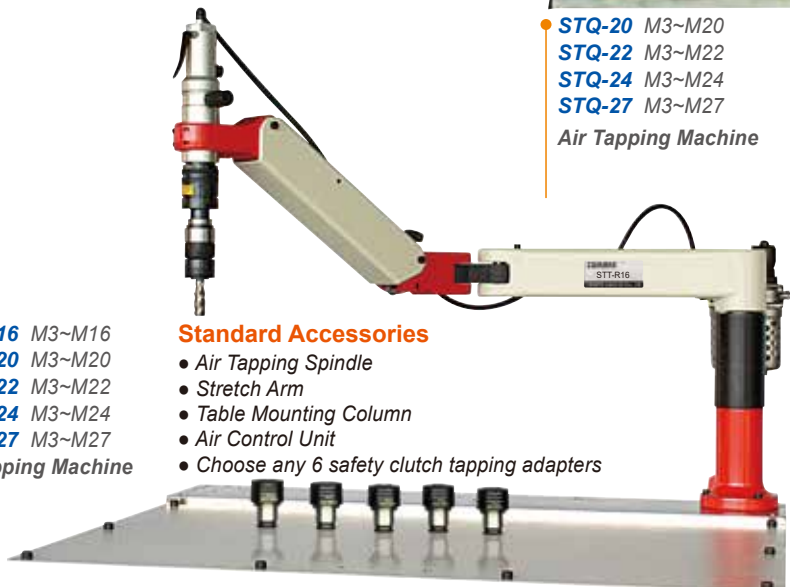
- Air Tapping Spindle
- Stretch Arm
- Table Mounting Column
- Air Control Unit
- Choose any 6 safety clutch tapping adapters
- Slanted Arm



STQ-20 M3~M20
STQ-22 M3~M22
STQ-24 M3~M24
STQ-27 M3~M27
 Air Tapping Machine

Standard Accessories

- Air Tapping Spindle
- Stretch Arm
- Table Mounting Column
- Air Control Unit
- Choose any 6 safety clutch tapping adapters
- Slanted Arm



STT-R16 M3~M16
STT-R20 M3~M20
STT-R22 M3~M22
STT-R24 M3~M24
STT-R27 M3~M27
 Air Tapping Machine

Standard Accessories

- Air Tapping Spindle
- Stretch Arm
- Table Mounting Column
- Air Control Unit
- Choose any 6 safety clutch tapping adapters

Specification:

Model No.	Tap Capacity	Spindle Speed (r.p.m.)	Work Range (mm)		Weight (kg)	90° Device (Optional)
			Rmax	Rmin		
STQ-08	M2~M8	700	950	100	16	SA-AG100
STQ-12	M3~M12	400			16	SA-AG100
STQ-16	M3~M16	300			24	SA-AG101
STQ-20	M3~M20	150/400	1000	100	25	SA-AG102
STQ-22	M3~M22	120/300			25	SA-AG102
STQ-24	M3~M24	100/300			25	SA-AG102

Model No.	Tap Capacity	Spindle Speed (r.p.m.)	Work Range (mm)		Weight (kg)	90° Device (Optional)
			Rmax	Rmin		
STQ-27	M3~M27	70/220	1000	100	25	SA-AG102
STT-R16	M3~M16	300	1100	250	35	SA-AG110
STT-R20	M3~M20	150/400			35	SA-AG110
STT-R22	M3~M22	120/300			35	SA-AG110
STT-R24	M3~M24	100/300			35	SA-AG110
STT-R27	M3~M27	70/220			35	SA-AG110

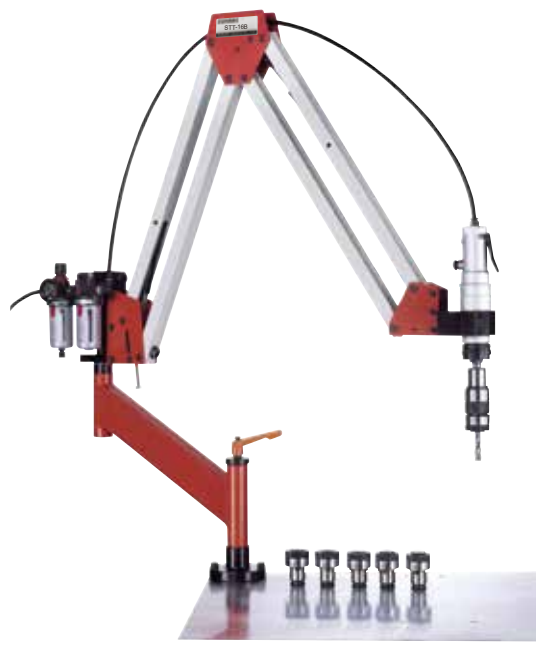
■ Option Accessories Please refer Page 7 & 8

Air Tapping Machine (Tap Capacity M2~M27)



- **STT-08A** M2~M8 **Standard Accessories**
- **STT-12A** M3~M12
- **STT-16A** M3~M16
- Air Tapping Spindle
- Stretch Arm
- Table Mounting Column
- Air Control Unit
- Choose any 6 safety clutch tapping adapters

- **STT-20A** M3~M20 **Standard Accessories**
- **STT-22A** M3~M22
- **STT-24A** M3~M24
- **STT-27A** M3~M27
- Air Tapping Spindle
- Stretch Arm
- Table Mounting Column
- Air Control Unit
- Choose any 6 safety clutch tapping adapters



- **STT-08B** M2~M8 **Standard Accessories**
- **STT-12B** M3~M12
- **STT-16B** M3~M16
- Air Tapping Spindle
- Stretch Arm
- Table Mounting Column
- Air Control Unit
- Choose any 6 safety clutch tapping adapters
- Slanted Arm

- **STT-20B** M3~M20 **Standard Accessories**
- **STT-22B** M3~M22
- **STT-24B** M3~M24
- **STT-27B** M3~M27
- Air Tapping Spindle
- Stretch Arm
- Table Mounting Column
- Air Control Unit
- Choose any 6 safety clutch tapping adapters
- Slanted Arm

Specification:

Model No.	Tap Capacity	Spindle Speed (r.p.m.)	Work Range (mm)		Weight (kg)	90° Device (Optional)
			Rmax	Rmin		
STT-08A	M2~M8	700	1600	500	20	SA-AG100
STT-12A	M3~M12	400			20	SA-AG100
STT-16A	M3~M16	300			25	SA-AG101
STT-20A	M3~M20	150/400			36	SA-AG102
STT-22A	M3~M22	120/300			36	SA-AG102
STT-24A	M3~M24	100/300			36	SA-AG102
STT-27A	M3~M27	70/220			36	SA-AG102

Model No.	Tap Capacity	Spindle Speed (r.p.m.)	Work Range (mm)		Weight (kg)	90° Device (Optional)
			Rmax	Rmin		
STT-08B	M2~M8	700	1900	200	23	SA-AG100
STT-12B	M3~M12	400			23	SA-AG100
STT-16B	M3~M16	300			27	SA-AG101
STT-20B	M3~M20	150/400			38	SA-AG102
STT-22B	M3~M22	120/300			38	SA-AG102
STT-24B	M3~M24	100/300			38	SA-AG102
STT-27B	M3~M27	70/220			38	SA-AG102

■ Option Accessories Please refer Page 7 & 8

Air Tapping Machine (Tap Capacity M2~M27)



- **STS-08B** M2~M8 **Standard Accessories**
- **STS-12B** M3~M12
- **STS-16B** M3~M16
- Air Tapping Spindle
- Stretch Arm
- Table Mounting Column
- Air Control Unit
- Choose any 6 safety clutch tapping adapters
- Slanted Arm



- **STS-20B** M3~M20 **Standard Accessories**
- **STS-22B** M3~M22
- **STS-24B** M3~M24
- **STS-27B** M3~M27
- Air Tapping Spindle
- Stretch Arm
- Table Mounting Column
- Air Control Unit
- Choose any 6 safety clutch tapping adapters
- Slanted Arm

Specification:

Model No.	Tap Capacity	Spindle Speed (r.p.m.)	Work Range (mm)		Weight (kg)	90° Device (Optional)
			Rmax	Rmin		
STS-08B	M2~M8	700	1400	200	21	SA-AG100
STS-12B	M3~M12	400			21	SA-AG100
STS-16B	M3~M16	300			26	SA-AG101

Model No.	Tap Capacity	Spindle Speed (r.p.m.)	Work Range (mm)		Weight (kg)	90° Device (Optional)
			Rmax	Rmin		
STS-20B	M3~M20	150/400	1400	200	27	SA-AG102
STS-22B	M3~M22	120/300			27	SA-AG102
STS-24B	M3~M24	100/300			27	SA-AG102
STS-27B	M3~M27	70/220			27	SA-AG102

Air Tapping Hand Tool (Tap Capacity M2~M12)



STH-12A
Pneumatic Various degree Tapping Hand Tool



STH-12B
Pneumatic Chuck Tapping Hand Tool



Pneumatic Torsional Tapping Hand Tool

Specification:

Model No.	Tap Capacity	Speed (r.p.m.)	Spindle Type	Air Consumption		Air Hose Size (min)	Weight (kg)	Accessories
				cfm	L/min			
STH-12A	M2~M12	250	HTP/B12	14	396	9.5	2.5	Side Holder, Wrench
STH-12B	M2~M12	250	CAP10/B12	14	396	9.5	2.5	Side Holder, Wrench
STH-12C	M2~M12	250	TH1/B12	14	396	9.5	4	6pcs Torsional collets, Side Holder, Wrench

■ Option Accessories Please refer Page 7 & 8

Hydraulic Tapping Machine (Tap Capacity M3~M50)

HTT series is with T slots plate cast iron work cart which provides a quick and convenient method of clamping the workpiece or vice on the table.



● **HTT-22** M3~M22
Hydraulic Tapping Machine

Standard Accessories

- Hydraulic Tapping Spindle
- Stretch Arm
- Slanted Arm
- Table Mounting Column
- Electric Motor, Hydraulic Pump, Hydraulic Box
- Electric - Controlled Device
- Choose any 6 safety clutch tapping adapters
- Cast Iron Work Cart



● **HTT-32** M4~M32
HTT-42 M4~M42
HTT-50 M8~M50
Hydraulic Tapping Machine

Standard Accessories

- Hydraulic Tapping Spindle
- Stretch Arm
- Slanted Arm
- Table Mounting Column
- Electric Motor, Hydraulic Pump, Hydraulic Box
- Electric - Controlled Device
- Choose any 6 safety clutch tapping adapters
- Cast Iron Work Cart

Specification:

Model No.	Tap Capacity	Spindle Speed (r.p.m.)	Work Range (mm)		Voltage (V)	Electric Motor (HP)	Hydraulic Pressure (kg/cm ²)	Weight (G.W.) (kg)	90° Device (Optional)
			Rmax	Rmin					
HTT-22	M3~M22	0~400	1600	200	220V, 50/60Hz 380V, 50/60Hz 3-PHASE	3	100	500	SA-AG130
HTT-32	M4~M32	0~500 / 0~105				3	100	500	SA-AG130
HTT-42	M4~M42	0~400 / 0~75				3	100	500	SA-AG130
HTT-50	M8~M50	0~360 / 0~60				5	140	500	SA-AG130

■ Option Accessories Please refer Page 7 & 8

Hydraulic Tapping Machine (Tap Capacity M3~M50)



HT-220 M3~M22
Hydraulic Tapping Machine

Standard Accessories

- Hydraulic Tapping Spindle
- Stretch Arm
- Slanted Arm
- Table Mounting Column
- Choose any 6 safety clutch tapping adapters
- Electric Motor, Hydraulic Pump, Hydraulic Box
- Electric - Controlled Device
- Cast Iron Work Cart

HT-320 M4~M32
HT-420 M4~M42
HT-500 M8~M50
Hydraulic Tapping Machine

Standard Accessories

- Hydraulic Tapping Spindle
- Stretch Arm
- Slanted Arm
- Table Mounting Column
- Choose any 6 safety clutch tapping adapters
- Electric Motor, Hydraulic Pump, Hydraulic Box
- Electric - Controlled Device
- Cast Iron Work Cart

Specification:

Model No.	Tap Capacity	Spindle Speed (r.p.m.)	Work Range (mm)		Voltage (V)	Electric Motor (HP)	Hydraulic Pressure (kg/cm ²)	Weight (G.W.) (kg)	90° Device (Optional)
			Rmax	Rmin					
HT-220	M3~M22	0~400	1600	200	220V, 50/60Hz	3	100	400	SA-AG130
HT-320	M4~M32	0~500 / 0~105			380V, 50/60Hz 3-PHASE	3	100	400	SA-AG130
HT-420	M4~M42	0~400 / 0~75				3	100	400	SA-AG130
HT-500	M8~M50	0~360 / 0~60				5	140	400	SA-AG130

■ Option Accessories Please refer Page 7 & 8

Brushless Electric Tapping Machine (Tap Capacity M3~M32)



ETT-32 M3~M32
Electric Tapping Machine
*Cast Iron Work Cart For Option

Standard Accessories

- Electric Tapping Spindle
- Stretch Arm
- Slanted Arm
- Table Mounting Column
- Electric - Controlled Device
- Choose any 6 safety clutch tapping adapters



ETA-32A M3~M32
Electric Tapping Machine
Automatic depth Control
*Cast Iron Work Cart For Option



ETA-32B M3~M32
Electric Tapping Machine
Automatic depth Control
*Cast Iron Work Cart For Option

Standard Accessories

- Electric Tapping Spindle
- Stretch Arm
- Slanted Arm
- Table Mounting Column
- Electric - Controlled Device
- Digital display manual panel
- Depth controller, reverse in automatic
- Choose any 6 safety clutch tapping adapters

Specification:

Model No.	Capacity	Speed (r.p.m.)	Work Range (mm)		Voltage	Electric Motor (kw)	Weight (G.W.)(kg)	90° Device (Optional)
			Rmax	Rmin				
ETT-32	M3~M32	0~300 / 0~70	1500	200	220V - Single PHASE	0.75	65	-
ETA-32A	M3~M32	0~300 / 0~60	1000	100		0.75	65	SA-AG120
ETA-32B	M3~M32	0~300 / 0~60	1900	200		0.75	70	SA-AG120

■ Option Accessories Please refer Page 7 & 8

Accessories of Air Tapping Machine



SAR-037
Auto Reverse Device



SLM-300
SLM-600
Portable Magnetic Base

Specification:

Model No.	Holding Power (kg)	Dimension (LxWxH) (mm)	Weight (kg)	Suitable Model
SLM-300	300	150x90x93	10	STQ, STS, STT-08~16
SLM-600	600	224x115x120	23	STT-20~27

Accessories of Air / Hydraulic / Electric Tapping Machine



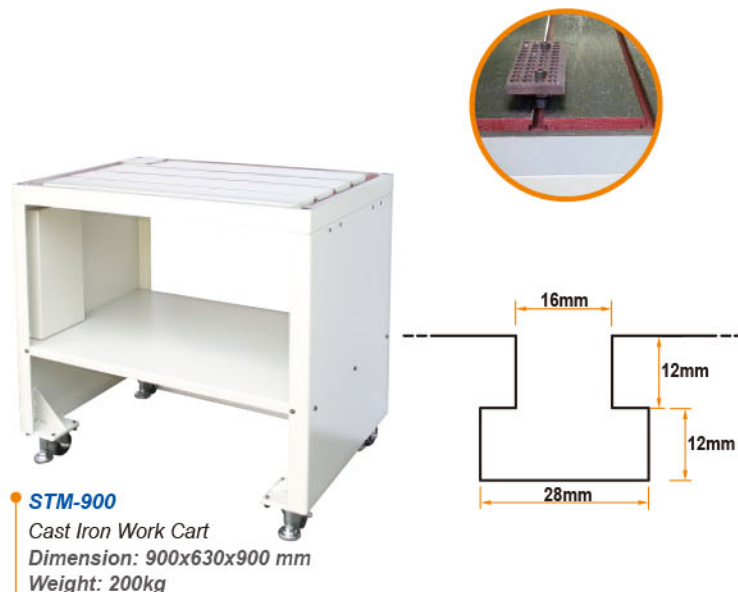
90° and Various Degree Tapping Device

SA-AG100
SA-AG101
SA-AG102
SA-AG110
SA-AG120
SA-AG130



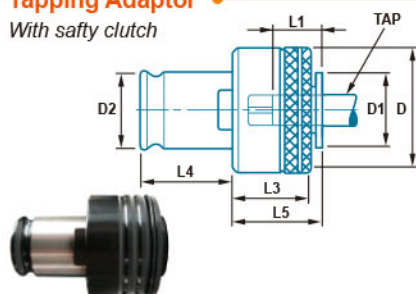
SAC-036
Depth Controller
(For Hydraulic Tapping Machine only)

Accessories Of Air / Hydraulic / Electric Tapping Machine



Tapping Adaptor

With safty clutch

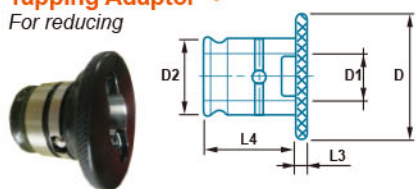


Model No.	For Tap	Suitable Adaptors Size	D	D1	D2	L1	L3	L4	L5	Weight (kg)	Suitable Model
STC-1E	M2~M14	1	32	19	19	17	24.5	21.5	26	0.15	Mainly Air Series For Hydraulic & Electric shall be with extra STR adaptor
STC-2E	M6~M30	2	50	30	31	30	31	35	33	0.55	
STC-3E	M16~M42	3	72	47	48	44	41	55.5	50	1.70	Hydraulic & Electric
STC-4E	M22~M58	4	95	60	60	33	16	63	73	3.30	

* TAP shank Dimension for JIS,DIN,ISO,ANSI(USA),please specify

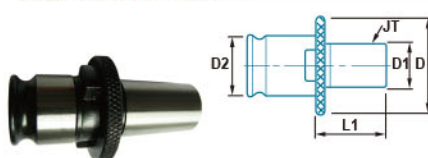
Tapping Adaptor

For reducing



Model No.	Suitable Adaptors Size	for Adaptors Size	D	D1	D2	L1	L3	Weight (kg)
STR-21	2	1	48	19	31	5	35	0.17
STR-32	3	2	70	31	48	6	55.5	0.60
STR-42	4	2	92	31	60	13	63	1.00
STR-43	4	3	92	48	60	13	63	1.00

Drill Chuck Collet



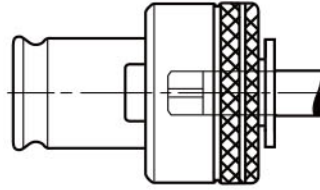
Model No.	For Drill Chuck	Capacity (mm)	D	D1	D2	L1	Weight (kg)
STC-JT2A	8H	0 - 8	30	13.94	19	31	0.06
STC-JT6A	13H	0 - 12	30	17.17	19	34	0.06
STC-JT6B	13H	0 - 12	48	17.17	31	37	0.3

Drill Chuck



Model No.	Capacity		Taper Mount No. Din or Jacobs	Length(mm)		Outer Dia (mm)	Weight (kg)
	mm	inch		Open	Closed		
STC-8H	0~8	0~5/16	JT2	68	76	38	0.395
STC-13H	0~13	0~1/2	JT6	90	102	48	0.92

Tap Shank Dimensions



JIS

Metric	UNC	Dimension	
		Dia Ø	Square □
M2		3	2.5
M3		4	3.2
M4 M4.5		5	4
M5 M5.5		5.5	4.5
M6	W1/4	6	4.5
	W5/16	6.1	5
M8 M7		6.2	5
M10 M9	W3/8	7	5.5
M11	W7/16	8	6
M12		8.5	6.5
	W1/2	9	7
M14 M15	W9/16	10.5	8
	W5/8	12	9
M16		12.5	10
M17		13	10
M18	W3/4	14	11
M20		15	12
M22	W7/8	17	13
M24 M25		19	15
M26 M27	W1	20	15
M28		21	17
	W1-1/8	22	17
M30		23	17
M32	W1-1/4	24	19
M33		25	19
M34 M35	W1-3/8	26	21
M36 M36		28	21
M39 M39	W1-1/2	30	23
M42	W1-5/8	32	26
M45	W1-3/4	35	26
M48	W1-7/8	38	29

PT	PF		
1/8	1/8	8	6
1/4	1/4	11	9
3/8	3/8	14	11
1/2	1/2	18	14
	5/8	19	15
3/4	3/4	23	17
	7/8	24	19
1	1	26	21
	1-1/8	28	21
1-1/4	1-1/4	32	26
1-3/8	1-3/8	35	26
1-1/2	1-1/2	38	29

DIN

Dimension Dia.xSquare	DIN 352	DIN 371
2.5x2.1	M1	M1
	M1.1	M1.1
	M1.2	M1.2
	M1.4	M1.4
	M1.6	M1.6
2.8x2.1	M1.8	M1.8
	M2	M2
	M2.2	M2.2
	M2.5	M2.5
3.5x2.7	M3	M3
4x3	M3.5	M3.5
4.5x3.4	M4	M4
6x4.9	M5	M5
	M6	M6
	M8	
7x5.5	M10	
8x6.2		M8
9x7	M12	
10x8		M10
11x9	M14	
12x9	M16	
14x11	M18	
16x12	M20	
18x14.5	M22	
	M24	
20x16	M27	
22x18	M30	
25x20	M33	
28x22	M36	
32x24	M39	
	M42	
36x29	M45	
	M48	
40x32	M52	
	M56	
45x35	M60	

ISO

Dimension Dia.xSquare	Metric
2.24x1.8	M3
2.5x2.0	M3.5 M2
2.8x2.24	M2.2
	M2.5
3.15x2.5	M4 M3
3.55x2.8	M4.5 M3.5
4x3.15	M5 M4
4.5x3.55	M6
5x4	M5
6.3x5	M8 M6
8x6.3	M10 M8
9x7.1	M12
10x8	M10
11.2x9	M14
12.5x10	M16
14x11.2	M18
	M20
16x12.5	M22
18x14	M24
20x16	M27
	M30
22.4x18	M33
25x20	M36
28x22.4	M39
	M42
31.5x25	M45
	M48
35.5x28	M52
	M56
40x31.5	M60
	M64

ANSI(USA)

Dimension		Much. Screw Size No.	Nominal Fractional Diameter Inches
Shank	Square		
0.141	0.110	0	1/16
0.141	0.110	1	
0.141	0.110	2	
0.141	0.110	3	3/32
0.141	0.110	4	
0.141	0.110	5	1/8
0.141	0.110	6	
0.168	0.131	8	5/32
0.194	0.152	10	3/16
0.220	0.165	12	
0.255	0.191	14	1/4
0.318	0.238		5/16
0.381	0.286		3/8
0.323	0.242		7/16
0.367	0.275		1/2
0.429	0.322		9/16
0.480	0.360		5/8
0.542	0.406		11/16
0.590	0.442		3/4
0.652	0.489		13/16
0.697	0.523		7/8
0.760	0.570		15/16
0.800	0.600		1
0.895	0.672		11/16
0.896	0.672		11/8
1.021	0.766		13/16
1.021	0.766		11/4
1.108	0.831		15/16
1.108	0.831		13/8
1.233	0.925		17/16
1.233	0.925		11/2
1.305	0.979		15/8
1.430	1.072		13/4
1.519	1.139		17/8
1.644	1.233		2
0.3125	0.234		1/16 NPT
0.4375	0.328		1/8 NPT
0.5625	0.421		1/4 NPT
0.700	0.531		3/8 NPT
0.6875	0.515		1/2 NPT
0.9063	0.679		3/4 NPT
1.125	0.843		1 NPT
1.3125	0.984		1 1/4 NPT
1.500	1.125		1 1/2 NPT



Electric
Screwdrivers



Cordless
Tools



Industrial
Air Screwdriver



Oil Pulse
Tools



Compressors
& Air Pump



Air Nailer
& Air Stapler



Impact
Sockets



Industrial
Air Sander



Torque
Wrench



Automatic
Screw Feeder



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ISO 9001



Certificate TW04/02301QA

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2411



XMTT16