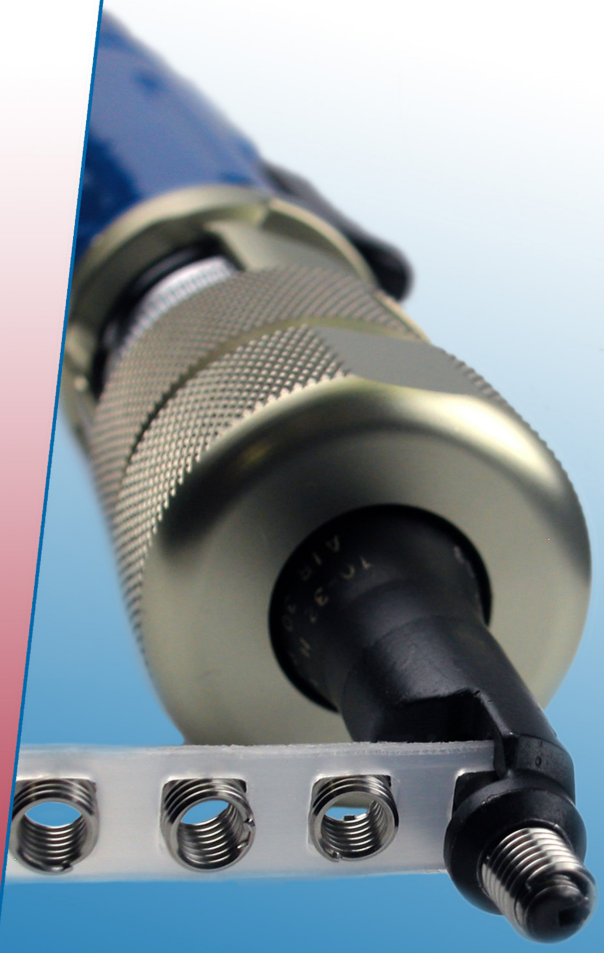
KATO CoilThread Tooling Guide

By Air

By Electric



By Hand

Tangless® and Tanged

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Revision: 080112

KATO Part Numbering System

The new KATO Part Numbering System for tools was designed to make identifying and ordering KATO installation and removal tools quick and easy. Each letter and number is used to clearly identify the tool type, style and size.

The KATO tool part number includes up to 5 segments. Example Part Number and Definition:

2	K P A	C	- 0 4	
1	2	3	4	5

Segment 1: Indicates Tool Type (Tangless or tanged).
Use a "2" prefix for CoilThread II - Tangless® Inserts or leave blank for CoilThread tanged.

Segment 2: Indicates Tool Style. See list below:
- KHE - KATO Hex Electric
- KIP - KATO Installation Pawl
- KPA - KATO Prewinder Air
- KPE - KATO Prewinder Electric
- KPH - KATO Prewinder Hand
- KRE - KATO Round Electric
- KRP - KATO Removal Pawl
- KRT - KATO Removal Tool
- KTBT - KATO Tang Break-off Tool

Segment 3: Thread Designation
- C - Unified Coarse
- F - Unified Fine
- M - Metric
- V - Various

Segment 4: Size Designation

Segment 5: Component/Replacement Part Suffix
- D - Prewinder Body (where applicable)
- G - Nylon Guard (where applicable)
- H - Adjusting Sleeve Housing without Nylon Guard (where applicable)
- K - Pawl Kit (only on pawl part numbers 2KIP series, see page 5-6)
- M - Mandrel/Mandrel Assembly
- S - Spacer Set (includes 3 spacers + 1 thick shim + 3 thin shims, where applicable)

Please Note: KATO CoilThread Taps (STI) and CoilThread Gages (STI) work with both Tangless and tanged inserts. As a result they are comprised of the following five segments.

- *Segment 1 CT (CoilThread Tap) or CG (CoilThread Gage)*
- *Segment 2 Thread Designation (C, F, or M same as above)*
- *Segment 3 Size Designation*
- *Segment 4 Style/Type (for taps SRP, SRB, SPP or SFB, see pages 28-33) (for gages X or W, see pages 34-37)*
- *Segment 5 Class of Fit*

One Pawl Fits All™

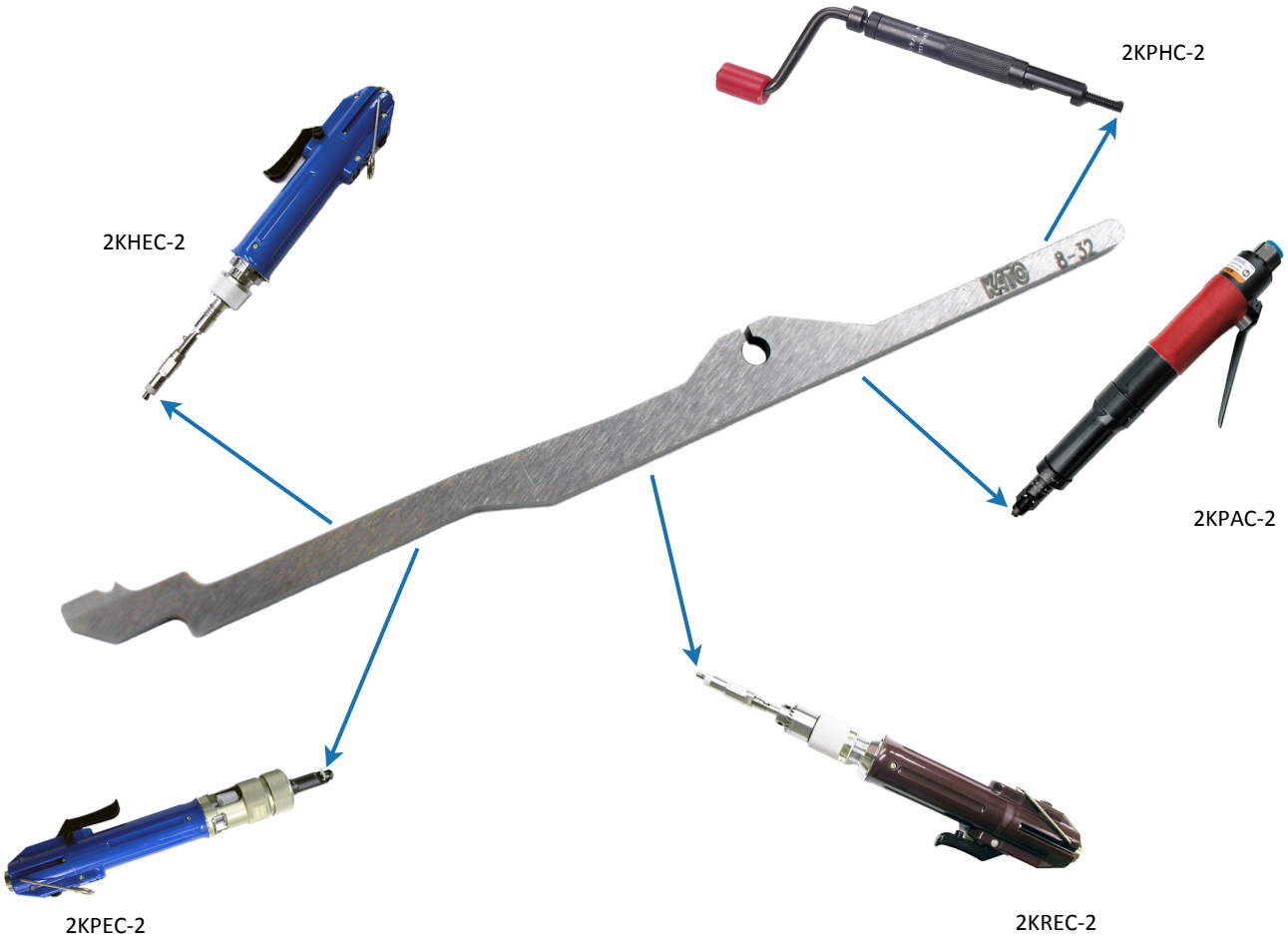
2KIP Series

Description:

The All New KATO *One Pawl Fits All* ™ System was designed to simplify the Pawl ordering process, simplify inventory management, and reduce overall costs for users of KATO Tangless Inserts & Tools. Here's how it works… Order any size KATO Installation Pawl (2KIP Series) and use it in any KATO Tangless installation tool of the same size, it's that simple!

For example, order an 8-32 installation pawl (2KIPC-2) and it's guaranteed to work with all KATO 8-32 Tangless installation tools:

Guaranteed Fit	KATO Tool Part Number	Description
✔	2KHEC-2	8-32 Hex Electric Tool (non-prewinder)
✔	2KPAC-2	8-32 Prewinder Air Tool
✔	2KPEC-2	8-32 Prewinder Electric Tool
✔	2KPHC-2	8-32 Prewinder Hand Tool
✔	2KREC-2	8-32 Round Electric Tool (non-prewinder)



One Pawl Fits All™

2KIP Series

Nominal Thread Size	Tangless Installation Pawl	Tangless Installation Pawl Kit
Unified Coarse - UNC		
2-56	2KIPC-02	2KIPC-02K
4-40	2KIPC-04	2KIPC-04K
6-32	2KIPC-06	2KIPC-06K
8-32	2KIPC-2	2KIPC-2K
10-24	2KIPC-3	2KIPC-3K
1/4-20	2KIPC-4	2KIPC-4K
5/16-18	2KIPC-5	2KIPC-5K
3/8-16	2KIPC-6	2KIPC-6K
Unified Fine – UNF		
10-32	2KIPF-3	2KIPF-3K
1/4-28	2KIPF-4	2KIPF-4K
5/16-24	2KIPF-5	2KIPF-5K
3/8-24	2KIPF-6	2KIPF-6K
Metric Coarse		
M2X.4	2KIPM-2	2KIPM-2K
M2.5X.45	2KIPM-2.5	2KIPM-2.5K
M3X.5	2KIPM-3	2KIPM-3K
M4X.7	2KIPM-4	2KIPM-4K
M5X.8	2KIPM-5	2KIPM-5K
M6X1	2KIPM-6	2KIPM-6K
M8X1.25	2KIPM-8	2KIPM-8K
M10X1.5	2KIPM-10	2KIPM-10K
M12X1.75	2KIPM-12	2KIPM-12K

KATO Pawl Kit includes:

- **1 Pawl (2KIP Series)**
- **2 Springs (2KSPR Series)**
- **2 Pins (2KPIN Series)**

Please Note: Metric Installation Pawls (2KIPM part numbers) are currently compatible with prewinder style tools 2KPA, 2KPE & 2KPH series. Compatibility with the non-prewinder tools 2KHEM & 2KREM tools will occur at a later date.

Cross References:

For your convenience the cross reference table below includes the new KATO part number, the superseded (old) KATO part number, and the HeliCoil part number where applicable.

New KATO Pawl Part Number	Superseded Air Tool Pawl	Superseded Hex Tool Pawl	Superseded Round Tool Pawl	Superseded Hand Tool Pawl
Unified Coarse				
2KIPC-02	2CT11400-02	2CTSB-02CP	CT16402-02	TCIC-02P
2KIPC-04	2CT11400-04	2CTSB-04CP	CT16402-04	TCIC-04P
2KIPC-06	2CT11400-06	2CTSB-06CP	CT16402-06	TCIC-06P
2KIPC-2	2CT11400-2	2CTSB-2CP	CT16402-2	TCIC-2P
2KIPC-3	2CT11400-3	2CTSB-3CP	CT16402-3	TCIC-3P
2KIPC-4	2CT11400-4	2CTSB-4CP	CT16402-4	TCIC-4P
2KIPC-5	2CT11400-5	2CTSB-5CP	CT16402-5	TCIC-5P
2KIPC-6	2CT11400-6	2CTSB-6CP	CT16402-6	TCIC-6P
Unified Fine				
2KIPF-3	2CT11401-3A	2CTSB-3FP	CT16403-3	TCIF-3P
2KIPF-4	2CT11401-4	2CTSB-4FP	CT16403-4	TCIF-4P
2KIPF-5	2CT11401-5	2CTSB-5FP	CT16403-5	TCIF-5P
2KIPF-6	2CT11401-6	2CTSB-6FP	CT16403-6	TCIF-6P
Metric Coarse				
2KIPM-2	2CT11400-M2	2CTSB-M2P	CT16402-M2	TCIM-2P
2KIPM-2.5	2CT11400-M2.5	2CTSB-M2.5P	CT16402-M2.5	TCIM-2.5P
2KIPM-3	2CT11400-M3	2CTSB-M3P	CT16402-M3	TCIM-3P
2KIPM-4	2CT11400-M4	2CTSB-M4P	CT16402-M4	TCIM-4P
2KIPM-5	2CT11400-M5	2CTSB-M5P	CT16402-M5	TCIM-5P
2KIPM-6	2CT11400-M6	2CTSB-M6P	CT16402-M6	TCIM-6P
2KIPM-8	2CT11400-M8	2CTSB-M8P	CT16402-M8	TCIM-8P
2KIPM-10	2CT11400-M10	2CTSB-M10P	CT16402-M10	TCIM-10P
2KIPM-12	2CT11400-M12	2CTSB-M12P	CT16402-M12	TCIM-12P

KATO Hex Electric Tool

KHE Series

Description:

The KATO Hex Electric (KHE) installation tool is designed for medium to high volume users of KATO Tangless and tanged bulk packaged CoilThread inserts (for Strip-Feed packaged inserts KATO recommends using the Prewinder Electric Tool). The KHE tool utilizes the KATO KFS-12 electric driver (CT5408), which incorporates a 1/4" Quick-Disconnect keyless chuck system. When used with the hex shaft installation Mandrel Assembly operators can quickly and easily change the installation Mandrel Assembly from one thread size to another, or between Tangless and tanged CoilThread inserts.

In addition, the KHE tool is auto-reversing; once the insert is installed the driver will automatically reverse minimizing overall installation time. Utilizing a powerful electric motor and two torque adjusting compression springs (one for smaller thread sizes and one for larger thread sizes) the KFS-12 electric driver (CT5408) is capable of installing thread sizes up to 1/4" & M12 (eliminating the need to purchase two drivers), while allowing operators to precisely adjust the auto-reversing torque to ensure consistent installation and prolong the life of the Mandrel Assembly.

Features and Benefits:

- Available for both Tangless and tanged CoilThread inserts.
- Eliminates the need to purchase two drivers. Installs inserts up to 1/4" and M12.
- Auto-Reversing for reduced installation time.
- Quick-Disconnect Keyless Chuck system.
- Utilizes KATO's new *One Pawl Fits All* system (Tangless).
- Lower cost than competitive drivers with greater capability and ease of use.
- KFS-12 electric driver (CT5408) works with existing KATO SBT-50 (CT5407) transformers and those sold by competitors.
- Clean and quiet, ideal for clean room operation.

How to Order - **Complete Tool Requires the Following Parts:**

- SBT-50 Power Transformer (CT5407)
- KFS-12 Electric Driver (CT5408)
- Hex Shaft Mandrel Assembly (see shaded column)

SBT-50 Power Transformer
(CT5407)

KFS-12 Electric Driver
(CT5408)

Tanged Hex Mandrel Assembly

Tangless Hex Mandrel Assembly

Nominal Thread Size	Tangless Hex Mandrel Assembly*	Tangless Replacement Mandrel	Tangless Replacement Pawl	Tanged Hex Mandrel Assembly	SBT-50 Power Transformer	KFS-12 Electric Driver
Unified Coarse - UNC						
2-56	2KHEC-02	2KHEC-02M	2KIPC-02	KHEC-02	CT5407	CT5408
4-40	2KHEC-04	2KHEC-04M	2KIPC-04	KHEC-04		
6-32	2KHEC-06	2KHEC-06M	2KIPC-06	KHEC-06		
8-32	2KHEC-2	2KHEC-2M	2KIPC-2	KHEC-2		
10-24	2KHEC-3	2KHEC-3M	2KIPC-3	KHEC-3		
12-24	N/A	N/A	N/A	KHEC-1		
1/4-20	2KHEC-4	2KHEC-4M	2KIPC-4	KHEC-4		
5/16-18	2KHEC-5	2KHEC-5M	2KIPC-5	N/A		
3/8-16	2KHEC-6	2KHEC-6M	2KIPC-6	N/A		
Unified Fine– UNF**						
10-32	2KHEF-F3	2KHEF-F3M	2KIPF-3	KHEF-3	CT5407	CT5408
	2KHEF-L3	2KHEF-L3M				
Metric Coarse**						
M2X.4	2KHEM-F2	2KHEM-F2M	2KIPM-2	N/A	CT5407	CT5408
M2.5X.45	2KHEM-F2.5	2KHEM-F2.5M	2KIPM-2.5	KHEM-2.5		
	2KHEM-L2.5	2KHEM-L2.5M				
M3X.5	2KHEM-F3	2KHEM-F3M	2KIPM-3	KHEM-3		
	2KHEM-L3	2KHEM-L3M				
M3.5X.6	N/A	N/A	N/A	KHEM-3.5		
M4X.7	2KHEM-F4	2KHEM-F4M	2KIPM-4	KHEM-4		
	2KHEM-L4	2KHEM-L4M				
M5X.8	2KHEM-F5	2KHEM-F5M	2KIPM-5	KHEM-5		
	2KHEM-L5	2KHEM-L5M				
M6X1	2KHEM-F6	2KHEM-F6M	2KIPM-6	KHEM-6		
	2KHEM-L6	2KHEM-L6M				
M8X1.25	2KHEM-F8	2KHEM-F8M	2KIPM-8	KHEM-8		
	2KHEM-L8	2KHEM-L8M				
M10X1.5	2KHEM-F10	2KHEM-F10M	2KIPM-10	N/A		
	2KHEM-L10	2KHEM-L10M				
M12X1.75	2KHEM-F12	2KHEM-F12M	2KIPM-12	N/A		
	2KHEM-L12	2KHEM-L12M				

*The Tangless Mandrel Assembly consists of the installation mandrel (hex shaft), installation pawl, spring, pin, wrenches, and adjusting sleeve fully assembled and ready for use.

For improved Tangless installation UNF & Metric thread sizes use a different installation mandrel for Free-Running & Locking CoilThread inserts, this is indicated by the –F and –L designation in the part number. **KATO strongly recommends using the Prewinder Electric Tool (KPE Series) for Fine and Metric thread sizes.

Tangless Replacement Parts, Spare Parts & Components	
Suffix	**Description**
K	Pawl Kit – includes one pawl, two pins, and two springs (Add a K to the end of the Pawl part number)
G	Nylon Guard (Add a G to the end of the Mandrel Assembly part number)
H	Adjusting Sleeve Housing (Does not include Nylon Guard, add an H to the end of the Mandrel Assembly part number)

Cross References:

For your convenience the cross reference table below includes the new KATO part number, the superseded (old) KATO part number, and the HeliCoil part number where applicable.

New KATO Part Number	Superseded Part Number
Unified Coarse	
2KHEC-02	2CTSB-02C
2KHEC-02M	2CTSB-02CM
2KHEC-04	2CTSB-04C
2KHEC-04M	2CTSB-04CM
2KHEC-06	2CTSB-06C
2KHEC-06M	2CTSB-06CM
2KHEC-2	2CTSB-2C
2KHEC-2M	2CTSB-2CM
2KHEC-3	2CTSB-3C
2KHEC-3M	2CTSB-3CM
2KHEC-4	2CTSB-4C
2KHEC-4M	2CTSB-4CM
2KHEC-5	N/A - NEW PART
2KHEC-5M	N/A - NEW PART
2KHEC-6	N/A - NEW PART
2KHEC-6M	N/A - NEW PART
Unified Fine	
2KHEF-F3	2CTSB-3F
2KHEF-F3M	2CTSB-3FM
2KHEF-L3	2CTSB-3F
2KHEF-L3M	2CTSB-3FM
Metric Coarse	
2KHEM-F2.5	2CTSB-M2.5F
2KHEM-L2.5	2CTSB-M2.5L
2KHEM-F3	2CTSB-M3F
2KHEM-L3	2CTSB-M3L
2KHEM-F4	2CTSB-M4F
2KHEM-L4	2CTSB-M4L
2KHEM-F5	2CTSB-M5F
2KHEM-L5	2CTSB-M5L
2KHEM-F6	2CTSB-M6F
2KHEM-L6	2CTSB-M6L
2KHEM-F8	2CTSB-M8F
2KHEM-L8	2CTSB-M8L
2KHEM-F10	2CTSB-M10F
2KHEM-L10	2CTSB-M10L
2KHEM-F12	2CTSB-M12F
2KHEM-L12	2CTSB-M12L

New KATO Part Number	Superseded Part Number
Unified Coarse	
KHEC-02	N/A - NEW PART
KHEC-04	N/A - NEW PART
KHEC-06	N/A - NEW PART
KHEC-2	N/A - NEW PART
KHEC-3	N/A - NEW PART
KHEC-1	N/A - NEW PART
KHEC-4	N/A - NEW PART
Unified Fine	
KHEF-3	N/A - NEW PART
KHEF-4	N/A - NEW PART
Metric Coarse	
KHEM-2.5	N/A - NEW PART
KHEM-3	N/A - NEW PART
KHEM-4	N/A - NEW PART
KHEM-5	N/A - NEW PART
KHEM-6	N/A - NEW PART
KHEM-8	N/A - NEW PART

KATO Prewinder Air Tool

KPA Series

Description:

The KATO Prewinder Air (KPA) installation tool is designed for medium to high volume users of KATO Tangless and tanged strip-feed packaged CoilThread inserts (can also be used with bulk inserts). The KPA tool is comprised of the KATO Air Motor (CT25017), one of two KATO Adapters (CT9605 or CT9705), and a Front End Assembly.

Another important component to the air tool system is the KATO Filter-Regulator-Lubricator (2KFRL-1). The Filter-Regulator-Lubricator cleans the air, allows precise control of the air pressure, and lubricates the air motor. When used together the KPA tool is capable of installing KATO CoilThread inserts up to 1/2" and M12 coarse and fine thread sizes.

For installation of Tangless CoilThread Inserts sizes 2-56, 4-40, M2.5 and M3 the KATO torque adjustable Clutch Drive (CT9602) is required to limit the installation torque generated by the air motor, and prevent damage to the Front-End Assembly.

Features and Benefits:

- Available for both Tangless and tanged CoilThread inserts.
- Installs inserts up to 1/2" and M12.
- Semi-automated reversing for reduced installation time.
- Utilizes KATO's new *One Pawl Fits All* system (Tangless).

Torque Limiting Clutch Drive (CT9602)
Required for Tangless Sizes 2-56, 4-40, M2.5 & M3

How to Order - Complete Tool Requires the Following Parts:

- Air Motor (CT25017)
- Adapter (CT9605 or CT9705 see table for details)
- Front-End Assembly (see shaded column in table)
- Torque Limiting Clutch Drive (CT9602): For Tangless sizes 2-56, 4-40, M2.5 & M3
- Filter-Regulator-Lubricator (2KFRL-1)

Air Motor
(CT25017)

Large Adapter (CT9705)

Standard Adapter
(CT9605)

Front End Assembly
(FEA)

Filter-Regulator-Lubricator
(2KFRL-1)

KATO Prewinder Air Tool

KPA Series

Nominal Thread Size	Tangless Front End Assembly	Tangless Replacement Pawl	Tanged Front End Assembly	Torque Limiting Clutch Drive	Air Motor	Adapter	Filter Regulator Lubricator
Unified Coarse - UNC							
2-56	2KPAC-02	2KIPC-02	KPAC-02	CT9602*	CT25017	CT9605	2KFRL-1
4-40	2KPAC-04	2KIPC-04	KPAC-04				
6-32	2KPAC-06	2KIPC-06	KPAC-06	N/A			
8-32	2KPAC-2	2KIPC-2	KPAC-2				
10-24	2KPAC-3	2KIPC-3	KPAC-3				
1/4-20	2KPAC-4	2KIPC-4	KPAC-4				
5/16-18	2KPAC-5	2KIPC-5	KPAC-5			CT9705	
3/8-16	2KPAC-6	2KIPC-6	KPAC-6				
7/16-14	N/A	N/A	KPAC-7				
1/2-13	N/A	N/A	KPAC-8				
Unified Fine - UNF							
6-40	N/A	N/A	KPAF-06	N/A	CT25017	CT9605	2KFRL-1
8-36	N/A	N/A	KPAF-2				
10-32	2KPAF-3	2KIPF-3	KPAF-3				
1/4-28	2KPAF-4	2KIPF-4	KPAF-4				
5/16-24	2KPAF-5	2KIPF-5	KPAF-5			CT9705	
3/8-24	2KPAF-6	2KIPF-6	KPAF-6				
7/16-20	N/A	N/A	KPAF-7				
1/2-20	N/A	N/A	KPAF-8				
Metric							
M2.5X.45	2KPAM-2.5	2KIPM-2.5	KPAM-2.5	CT9602*	CT25017	CT9605	2KFRL-1
M3X.5	2KPAM-3	2KIPM-3	KPAM-3				
M3.5X.6	N/A	N/A	KPAM-3.5				
M4X.7	2KPAM-4	2KIPM-4	KPAM-4	N/A			
M5X.8	2KPAM-5	2KIPM-5	KPAM-5				
M6X1	2KPAM-6	2KIPM-6	KPAM-6				
M7X1	N/A	N/A	KPAM-7				
M8X1.25	2KPAM-8	2KIPM-8	KPAM-8			CT9705	
M10X1.5	2KPAM-10	2KIPM-10	KPAM-10				
M12X1.75	2KPAM-12	2KIPM-12	KPAM-12				

* The Torque Limiting Clutch Drive must be used with Tangless thread sizes 2-56, 4-40, M2.5 & M3. KATO will not warrantee the mandrels or pawls without the use of the Clutch Drive.

Please Note: The Front End Assembly is designed to work with 1, 1 ½, and 2 Dia inserts, for 2 ½ and 3 Dia inserts please contact KATO for availability.

Replacement Parts, Spare Parts & Components	
Suffix	**Description**
K	Pawl Kit (Tangless Only)– includes one pawl, two pins, and two springs (Add a K to the end of the Pawl part number)
M	Mandrel Assembly (Add an M at the end of the Front End Assembly part number)
S	Spacer Set (includes 3 spacers, one thick shim and three thin shims)

Cross References:

For your convenience the cross reference table below includes the new KATO part number, the superseded (old) KATO part number, and the HeliCoil part number where applicable.

New KATO Part Number	Superseded Part Number	HeliCoil Part Number
Unified Coarse		
2KPAC-02	2CT11000-02	18551-02-15
2KPAC-02M	2CT11200-02	18551-02-30
2KPAC-04	2CT11000-04	18551-04-15
2KPAC-04M	2CT11200-04	18551-04-30
2KPAC-06	2CT11000-06	18551-06-15
2KPAC-06M	2CT11200-06	18551-06-30
2KPAC-2	2CT11000-2	18551-2-15
2KPAC-2M	2CT11200-2	18551-2-30
2KPAC-3	2CT11000-3	18551-3-15
2KPAC-3M	2CT11200-3	18551-3-30
2KPAC-4	2CT11000-4	18551-4-15
2KPAC-4M	2CT11200-4	18551-4-30
2KPAC-5	2CT11000-5	N/A
2KPAC-5M	2CT11200-5	N/A
2KPAC-6	2CT11000-6	N/A
2KPAC-6M	2CT11200-6	N/A
Unified Fine		
2KPAF-3	2CT11001-3A	18852-3-15
2KPAF-3M	2CT11201-3A	18852-3-30
2KPAF-4	2CT11001-4	18852-4-15
2KPAF-4M	2CT11201-4	18852-4-30
2KPAF-5	2CT11001-5	N/A
2KPAF-5M	2CT11201-5	N/A
2KPAF-6	2CT11001-6	N/A
2KPAF-6M	2CT11201-6	N/A
Metric Coarse		
2KPAM-2.5	2CT11000-M2.5	N/A
2KPAM-2.5M	2CT11200-M2.5	N/A
2KPAM-3	2CT11000-M3	N/A
2KPAM-3M	2CT11200-M3	N/A
2KPAM-4	2CT11000-M4	N/A
2KPAM-4M	2CT11200-M4	N/A
2KPAM-5	2CT11000-M5	N/A
2KPAM-5M	2CT11200-M5	N/A
2KPAM-6	2CT11000-M6	N/A
2KPAM-6M	2CT11200-M6	N/A
2KPAM-8	2CT11000-M8	N/A
2KPAM-8M	2CT11200-M8	N/A
2KPAM-10	2CT11000-M10	N/A
2KPAM-10M	2CT11200-M10	N/A
2KPAM-12	2CT11000-M12	N/A
2KPAM-12M	2CT11200-M12	N/A

New KATO Part Number	Superseded Part Number	HeliCoil Part Number
Unified Coarse		
KPAC-02	CT11000-02	8551-02-15
KPAC-02M	CT11200-02	8553-02
KPAC-04	CT11000-04	8551-04-15
KPAC-04M	CT11200-04	8553-04
KPAC-06	CT11000-06	8551-06-15
KPAC-06M	CT11200-06	8553-06
KPAC-2	CT11000-2	8551-2-15
KPAC-2M	CT11200-2	8553-2
KPAC-3	CT11000-3	8551-3-15
KPAC-3M	CT11200-3	8553-3
KPAC-4	CT11000-4	8551-4-15
KPAC-4M	CT11200-4	8553-4
KPAC-5	CT11000-5	8251-5-15
KPAC-5M	CT11200-5	8253-5
KPAC-6	CT11000-6	8251-6
KPAC-6M	CT11200-6	8253-6
KPAC-7	CT11000-7	8251-7
KPAC-7M	CT11200-7	8253-7
KPAC-8	CT11000-8	8251-8
KPAC-8M	CT11200-8	8253-8
Unified Fine		
KPAF-06	CT11001-06	8552-06
KPAF-06M	CT11201-06	8554-06
KPAF-2	CT11001-2	N/A
KPAF-2M	CT11201-2	N/A
KPAF-3	CT11001-3	8552-3-15
KPAF-3M	CT11201-3	8554-3
KPAF-4	CT11001-4	8552-4-15
KPAF-4M	CT11201-4	8554-4
KPAF-5	CT11001-5	8252-5-15
KPAF-5M	CT11201-5	8254-5
KPAF-6	CT11001-6	8252-6
KPAF-6M	CT11201-6	8254-6
KPAF-7	CT11001-7	8252-7
KPAF-7M	CT11200-7	8254-7
KPAF-8	CT11001-8	8252-8
KPAF-8M	CT11201-8	8254-8

New KATO Part Number	Superseded Part Number	HeliCoil Part Number
Metric Coarse		
KPAM-2.5	CT11000-M2.5	8751-2.5
KPAM-2.5M	CT11200-M2.5	8757-2.5
KPAM-3	CT11000-M3	8751-3
KPAM-3M	CT11200-M3	8757-3
KPAM-3.5	CT11000-M3.5	8751-3.5
KPAM-3.5M	CT11200-M3.5	8757-3.5
KPAM-4	CT11000-M4	8751-4
KPAM-4M	CT11200-M4	8757-4
KPAM-5	CT11000-M5	8751-5
KPAM-5M	CT11200-M5	8757-5
KPAM-6	CT11000-M6	8751-6
KPAM-6M	CT11200-M6	8757-6
KPAM-7	CT11000-M7	8751-7
KPAM-7M	CT11200-M7	8757-7
KPAM-8	CT11000-M8	8751-8
KPAM-8M	CT11200-M8	8757-8
KPAM-10	CT11000-M10	8751-10
KPAM10M	CT11200-M10	8757-10
KPAM-12	CT11000-M12	8751-12
KPAM-12M	CT11200-M12	8757-12
Metric Fine		
KPAM-8X1	CT11000-M8X1	8755-8
KPAM-8X1M	CT11200-M8X1	8764-8
KPAM-10X1	CT11000-M10X1	8755-10
KPAM-10X1M	CT11200-M10X1	8764-10
KPAM-10X1.25	CT11000-M10X1.25	8756-10
KPAM-10X1.25M	CT11200-M10X1.25	8759-10
KPAM-12X1.25	CT11000-M12X1.25	8756-12
KPAM-12X1.25M	CT11200-M12X1.25	8759-12
KPAM-12X1.5	CT11000-M12X1.5	8753-12
KPAM-12X1.5M	CT11200-M12X1.5	8774-12

KATO Prewinder Electric Tool

KPE Series

Description:

The Best of Both Worlds… Exclusive to KATO, the KATO Prewinder Electric tool combines the best features of the air and electric installation tools.

The KATO Prewinder Electric (KPE) installation tool is designed for medium to high volume users of KATO Tangless and tanged strip-feed packaged CoilThread inserts (can also be used with bulk inserts). The KPE tool is the industries first and only electric installation tool that utilizes a Prewinder, which compresses the insert allowing for much easier and consistent installation. The KPE tool is comprised of the KATO KFS-12 Electric Driver (CT5408), the SBT-50 Power Transformer (CT5407), the innovative KATO Prewinder Adapter (CT5408-PA), and a Front End Assembly.

In addition, the KPE tool is auto-reversing; once the insert is installed the driver will automatically reverse minimizing overall installation time. Utilizing a powerful electric motor and two torque adjusting compression springs (one for smaller thread sizes and one for larger thread sizes) the KFS-12 electric driver (CT5408) is capable of installing inserts up to 1/4” & M6 in diameter while allowing operators to precisely adjust the auto-reversing torque (through a window in the Prewinder Adapter) to ensure consistent installation and prolong the life of the mandrel assembly.

Features and Benefits:

- Works with both Tangless and tanged CoilThread inserts.
- Installs inserts up to 1/4” and M6.
- Auto-Reversing for reduced installation time.
- Utilizes KATO’s new *One Pawl Fits All* system (Tangless).
- KFS-12 electric driver (CT5408) works with existing KATO SBT-50 (CT5407) transformers and those sold by competitors.
- Clean and quiet, ideal for clean room operation.

How to Order - **Complete Tool Requires the Following Parts:**

- SBT-50 Power Transformer (CT5407)
- KFS-12 Electric Driver (CT5408)
- Prewinder Adapter (CT5408-PA)
- Front End Assembly (see shaded column in table)

SBT-50 Power Transformer

KFS-12 Electric Driver (CT5408)

Prewinder Adapter (CT5408-PA)

Front End Assembly

Nominal Thread Size	Tangless Front End Assembly	Tangless Replacement Pawl	Tanged Front End Assembly	SBT-50 Power Transformer	KFS-12 Electric Driver	Prewinder Adapter
Unified Coarse - UNC						
2-56	2KPEC-02	2KIPC-02	KPEC-02	CT5407	CT5408	CT5408-PA
4-40	2KPEC-04	2KIPC-04	KPEC-04			
6-32	2KPEC-06	2KIPC-06	KPEC-06			
8-32	2KPEC-2	2KIPC-2	KPEC-2			
10-24	2KPEC-3	2KIPC-3	KPEC-3			
1/4-20	2KPEC-4	2KIPC-4	KPEC-4			
Unified Fine - UNF						
10-32	2KPEF-3	2KIPF-3	KPEF-3	CT5407	CT5408	CT5408-PA
1/4-28	2KPEF-4	2KIPF-4	KPEF-4			
Metric Coarse						
M2.5X.45	2KPEM-2.5	2KIPM-2.5	KPEM-2.5	CT5407	CT5408	CT5408-PA
M3X.5	2KPEM-3	2KIPM-3	KPEM-3			
M4X.7	2KPEM-4	2KIPM-4	KPEM-4			
M5X.8	2KPEM-5	2KIPM-5	KPEM-5			
M6X1	2KPEM-6	2KIPM-6	KPEM-6			

Please Note: The Front End Assembly is designed to work with 1, 1 ½, and 2 Dia inserts, for 2 ½ and 3 Dia inserts please contact KATO for availability.

Replacement Parts, Spare Parts & Components	
Suffix	**Description**
K	Pawl Kit (Tangless Only)– includes one pawl, two pins, and two springs (Add a K to the end of the Pawl part number)
M	Mandrel Assembly (Add an M at the end of the Front End Assembly part number)
S	Spacer Set (includes 3 spacers, one thick shim and three thin shims)

KATO Prewinder Hand Tool

KPH Series

Description:

The KATO Prewinder Hand (KPH) installation tool is designed for low volume users of KATO Tangless and tanged CoilThread inserts. Unlike competitors that utilize plastic body parts the all-steel construction of the KPH tool makes them sturdy and dependable. The KPH tool is designed with precision and durability in mind for manual installation of CoilThread inserts. Customers that install hundreds or thousands of inserts per month should consider using the KATO Prewinder Electric tool for a significant boost in productivity and reduced labor costs.

KATO strongly recommends using Prewinder style hand tools for **ALL** manual installation of CoilThread Tangless and tanged inserts up to 1/2" & M12, and **ALL** fine thread sizes (UNF & Metric) above 1/2" & M12. The prewinder compresses the insert allowing for much easier and consistent installation.

Features and Benefits:

- Available for both Tangless and tanged CoilThread inserts.
- Available for all sizes up to 1” and M24 (Tangless inserts up to 3/8” and M12)
- All-Steel Construction.
- Utilizes KATO’s new *One Pawl Fits All* system (Tangless).
- Ergonomically friendly design.

How to Order

- A Tangless or Tanged Prewinder Hand Tool is all that’s needed (see shaded column in table).
- Replacement Pawls are available for Tangless KPH Tools (see table following page)

Captive Sleeve Prewinder
(Style 1)

Threaded Mandrel
(Style 2)

Non-Captive Sleeve Prewinder
(Style 3)

KATO Prewinder Hand Tool

KPH Series

Nominal Thread Size	Tangless Prewinder Hand Tool	Tangless Replacement Pawl	Tanged Prewinder Hand Tool	Style
Unified Coarse - UNC				
2-56	2KPHC-02	2KIPC-02	KPHC-02	1
3-48	N/A	N/A	KPHC-03	
4-40	2KPHC-04	2KIPC-04	KPHC-04	
5-40	N/A	N/A	KPHC-05	
6-32	2KPHC-06	2KIPC-06	KPHC-06	
8-32	2KPHC-2	2KIPC-2	KPHC-2	
10-24	2KPHC-3	2KIPC-3	KPHC-3	
12-24	N/A	N/A	KPHC-1	
1/4-20	2KPHC-4	2KIPC-4	KPHC-4	
5/16-18	2KPHC-5	2KIPC-5	KPHC-5	
3/8-16	2KPHC-6	2KIPC-6	KPHC-6	
7/16-14	N/A	N/A	KPHC-7	
1/2-13	N/A	N/A	KPHC-8	
9/16-12	N/A	N/A	KPHC-9	2*
5/8-11	N/A	N/A	KPHC-10	
3/4-10	N/A	N/A	KPHC-12	
7/8-9	N/A	N/A	KPHC-14	
1-8	N/A	N/A	KPHC-16	
Unified Fine - UNF				
3-56	N/A	N/A	KPHF-03	1
4-48	N/A	N/A	KPHF-04	
6-40	N/A	N/A	KPHF-06	
8-36	N/A	N/A	KPHF-2	
10-32	2KPHF-3	2KIPF-3	KPHF-3	
1/4-28	2KPHF-4	2KIPF-4	KPHF-4	
5/16-24	2KPHF-5	2KIPF-5	KPHF-5	
3/8-16	2KPHF-6	2KIPF-6	KPHF-6	
7/16-20	N/A	N/A	KPHF-7	
1/2-20	N/A	N/A	KPHF-8	
9/16-18	N/A	N/A	KPHF-9	3
5/8-18	N/A	N/A	KPHF-10	
3/4-16	N/A	N/A	KPHF-12	
7/8-14	N/A	N/A	KPHF-14	
1-12	N/A	N/A	KPHF-16	

Nominal Thread Size	Tangless Prewinder Hand Tool	Tangless Replacement Pawl	Tanged Prewinder Hand Tool	Style
Metric Coarse				
M2X.4	N/A	N/A	KPHM-2	
M2.2X.45	N/A	N/A	KPHM-2.2	1
M2.5X.45	2KPHM-2.5	2KIPM-2.5	KPHM-2.5	
M3X.5	2KPHM-3	2KIPM- 3	KPHM-3	
M3.5X.6	N/A	N/A	KPHM-3.5	
M4X.7	2KPHM-4	2KIPM- 4	KPHM-4	
M5X.8	2KPHM-5	2KIPM- 5	KPHM-5	
M6X1	2KPHM-6	2KIPM- 6	KPHM-6	
M7X1	N/A	N/A	KPHM-7	
M8X1.25	2KPHM-8	2KIPM- 8	KPHM-8	
M10X1.5	2KPHM-10	2KIPM- 10	KPHM-10	
M12X1.75	2KPHM-12	2KIPM- 12	KPHM-12	
M14X2	N/A	N/A	KPHM-14	3
M16X2	N/A	N/A	KPHM-16	
M18X2.5	N/A	N/A	KPHM-18	
M20X2.5	N/A	N/A	KPHM-20	
M22X2.5	N/A	N/A	KPHM-22	
M24X3	N/A	N/A	KPHM-24	
Metric Fine				
M8X1	N/A	N/A	KPHM-8X1	1
M10X1	N/A	N/A	KPHM-10X1	
M10X1.25	N/A	N/A	KPHM-10X1.25	
M12X1.25	N/A	N/A	KPHM-12X1.25	
M12X1.5	N/A	N/A	KPHM-12X1.5	
M14X1.5	N/A	N/A	KPHM-14X1.5	3
M16X1.5	N/A	N/A	KPHM-16X1.5	
M18X1.5	N/A	N/A	KPHM-18X1.5	
M18X2	N/A	N/A	KPHM-18X2	
M20X1.5	N/A	N/A	KPHM-20X1.5	
M20X2	N/A	N/A	KPHM-20X2	
M22X1.5	N/A	N/A	KPHM-22X1.5	
M22X2	N/A	N/A	KPHM-22X2	
M24X2	N/A	N/A	KPHM-24X2	

* Style 2 (Threaded Mandrel) Tools do not utilize a prewinder.

Cross References:

For your convenience the cross reference table below includes the new KATO part number, the superseded (old) KATO part number, and the HeliCoil part number where applicable.

New KATO Part Number	Superseded Part Number	HeliCoil Part Number
Unified Coarse		
2KPHC-02	TCIC-02	17751-02
2KPHC-04	TCIC-04	17751-04
2KPHC-06	TCIC-06	17751-06
2KPHC-2	TCIC-2	17751-2
2KPHC-3	TCIC-3	17751-3
2KPHC-4	TCIC-4	17751-4
2KPHC-5	TCIC-5	N/A
2KPHC-6	TCIC-6	N/A
Unified Fine		
2KPHF-3	TCIF-3	17752-3
2KPHF-4	TCIF-4	17752-4
2KPHF-5	TCIF-5	N/A
2KPHF-6	TCIF-6	N/A
Metric Coarse		
2KPHM-2.5	TCIM-2.5	N/A
2KPHM-3	TCIM-3	N/A
2KPHM-4	TCIM-4	N/A
2KPHM-5	TCIM-5	N/A
2KPHM-6	TCIM-6	N/A
2KPHM-8	TCIM-8	N/A
2KPHM-10	TCIM-10	N/A
2KPHM-12	TCIM-12	N/A

New KATO Part Number	Superseded Part Number	HeliCoil Part Number
Unified Coarse		
KPHC-02	CIC-02	7551-02
KPHC-03	CIC-03	7551-03
KPHC-04	CIC-04	7551-04
KPHC-05	CIC-05	7551-05
KPHC-06	CIC-06	7551-06
KPHC-1	CIC-1	7551-1
KPHC-2	CIC-2	7551-2
KPHC-3	CIC-3	7551-3
KPHC-4	CIC-4	7551-4
KPHC-5	CIC-5	7551-5
KPHC-6	CIC-6	7551-6
KPHC-7	CIC-7	7551-7
KPHC-8	CIC-8	7551-8
KPHC-9	CIC-9	3724-9
KPHC-10	CIC-10	3724-10
KPHC-12	CIC-12	3724-12
KPHC-14	CIC-14	3724-14
KPHC-16	CIC-16	3724-16
Unified Fine		
KPHF-03	CIF-03	7552-03
KPHF-04	CIF-04	7552-04
KPHF-06	CIF-06	7552-06
KPHF-2	CIF-2	7552-2
KPHF-3	CIF-3	7552-3
KPHF-4	CIF-4	7552-4
KPHF-5	CIF-5	7552-5
KPHF-6	CIF-6	7552-6
KPHF-7	CIF-7	7552-7
KPHF-8	CIF-8	7552-8
KPHF-9	CIF-9	535-9
KPHF-10	CIF-10	535-10
KPHF-12	CIF-12	535-12
KPHF-14	CIF-14	535-14
KPHF-16	CIF-16	535-16

New KATO Part Number	Superseded Part Number	HeliCoil Part Number
Metric Coarse		
KPHM-2	CIM-2	7751-2
KPHM-2.2	CIM-2.2	7751-2.2
KPHM-2.5	CIM-2.5	7751-2.5
KPHM-3	CIM-3	7751-3
KPHM-3.5	CIM-3.5	7751-3.5
KPHM-4	CIM-4	7751-4
KPHM-5	CIM-5	7751-5
KPHM-6	CIM-6	7751-6
KPHM-7	CIM-7	7751-7
KPHM-8	CIM-8X1.25	7751-8
KPHM-10	CIM-10X1.5	7751-10
KPHM-12	CIM-12X1.75	7751-12
KPHM-14	CIM-14X2	7751-14
KPHM-16	CIM-16X2	7751-16
KPHM-18	CIM-18X2.5	7551-18
KPHM-20	CIM-20X2.5	7551-20
KPHM-22	CIM-22X2.5	7551-22
KPHM-24	CIM-24X3	7551-24
Metric Fine		
KPHM-8X1	CIM-8X1	7755-8
KPHM-10X1	CIM-10X1	7755-10
KPHM-10X1.25	CIM-10X1.25	7756-10
KPHM-12X1.25	CIM-12X1.25	7756-12
KPHM-12X1.5	CIM-12X1.5	7753-12
KPHM-14X1.5	CIM-14X1.5	7753-14
KPHM-16X1.5	CIM-16X1.5	7753-16
KPHM-18X1.5	CIM-18X1.5	7753-18
KPHM-18X2	CIM-18X2	7754-18
KPHM-20X1.5	CIM-20X1.5	7753-20
KPHM-20X2	CIM-20X2	7754-20
KPHM-22X1.5	CIM-22X1.5	7753-22
KPHM-22X2	CIM-22X2	7754-22
KPHM-24X2	CIM-24X2	7754-24

KATO Round Electric Tool

KRE Series

Description:

The KATO Round Electric (KRE) installation tool is designed for medium to high volume users of KATO Tangless and tanged bulk packaged CoilThread inserts (for Strip-Feed packaged inserts KATO recommends using the Prewinder Electric Tool). The KRE tool utilizes the KATO SB-400C (CT5405) and/or the SB-650C (CT5406) electric driver, depending on the thread size (see table for more details).

The SB-400C (CT5405) is capable of installing inserts up to 8-32 & M4, while the SB-650C (CT5406) is ideal for sizes from 8-32 & M4 up to 1/4" & M6. When either electric driver is used with the round shaft Mandrel Assembly operators can quickly and easily install Tangless or tanged CoilThread inserts. In addition, the KRE tool is auto-reversing; once the insert is installed the driver will automatically reverse minimizing overall installation time, while allowing operators to precisely adjust the auto-reversing torque to ensure consistent installation and prolong the life of the Mandrel Assembly.

Features and Benefits:

Tangless 2KRE Mandrel Assembly With Optional Handle (Handle Part #: 2KREH-UI)

- Available for both Tangless and tanged CoilThread inserts.
- Auto-Reversing for reduced installation time.
- Utilizes KATO's new *One Pawl Fits All* system (Tangless).
- Lower cost than similar drivers from competitors.
- Clean and quiet, ideal for clean room operation.
- Tangless round shaft mandrels can be used for manual installation with the **optional handle (2KREH-UI)**.

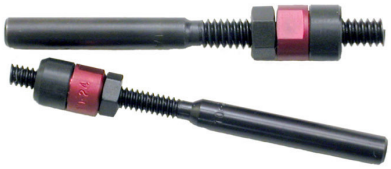
How to Order - Complete Tool Requires the Following Parts:

- SBT-50 Power Transformer (CT5407)
- SB-400C and/or SB-650C Electric Driver (see table for more information)
- Round Shaft Mandrel Assembly (see shaded column in table)

SBT-50 Power Transformer(CT5407)

SB-400C Electric Driver (CT5405)

SB-650C Electric Driver (CT5406)



Tanged Round Mandrel Assembly

Tangless Round Mandrel Assembly

KATO Round Electric Tool

KRE Series

Nominal Thread Size	Tangless Round Mandrel Assembly*	Tangless Replacement Mandrel	Tangless Replacement Pawl	Tanged Round Mandrel Assembly	SBT-50 Power Transformer	Electric Driver
Unified Coarse- UNC						
2-56	2KREC-02	2KREC-02M	2KIPC-02	KREC-02	CT5407	CT5405
4-40	2KREC-04	2KREC-04M	2KIPC-04	KREC-04		
6-32	2KREC-06	2KREC-06M	2KIPC-06	KREC-06		
8-32	2KREC-2	2KREC-2M	2KIPC-2	KREC-2		CT5406
10-24	2KREC-3	2KREC-3M	2KIPC-3	KREC-3		
12-24	N/A	N/A	N/A	KREC-1		
14/20	2KREC-4	2KREC-4M	2KIPC-4	KREC-4		
5/16-18	2KREC-5	2KREC-5M	2KIPC-5	N/A		
3/8-16	2KREC-6	2KREC-6M	2KIPC-6	N/A		
Unified Fine – UNF**						
10-32	2KREF-F3	2KREF-F3M	2KIPF-3	KREF-3	CT5407	CT5406
	2KREF-L3	2KREF-L3M				
Metric Coarse**						
M2X.4	2KREM-F2	2KREM-F2M	2KPIM-2	N/A	CT5407	CT5405
M2.5X.45	2KREM-F2.5	2KREM-F2.5M	2KIPM-2.5	KREM-2.5		
	2KREM-L2.5	2KREM-L2.5M				
M3X.5	2KREM-F3	2KREM-F3M	2KIPM-3	KREM-3		
	2KREM-L3	2KREM-L3M				
M3.5X.6	N/A	N/A	N/A	KREM-3.5		
M4X.7	2KREM-F4	2KREM-F4M	2KIPM-4	KREM-4		
	2KREM-L4	2KREM-L4M				
M5X.8	2KREM-F5	2KREM-F5M	2KIPM-5	KREM-5		CT5406
	2KREM-L5	2KREM-L5M				
M6X1	2KREM-F6	2KREM-F6M	2KIPM-6	KREM-6		
	2KREM-L6	2KREM-L6M				
M8X1.25	2KREM-F8	2KREM-F8M	2KIPM-8	KREM-8		
	2KREM-L8	2KREM-L8M				
M10X1.5	2KREM-F10	2KREM-F10M	2KIPM-10	N/A		
	2KREM-L10	2KREM-L10M				
M12X1.75	2KREM-F12	2KREM-F12M	2KIPM-12	N/A		
	2KREM-L12	2KREM-L12M				

*The Mandrel Assembly consists of the installation mandrel (round shaft), installation pawl, spring, pin, wrenches, and adjusting sleeve fully assembled and ready for use. The blue handle is not included but may be ordered seperately.

Please Note: To use the Tangless Mandrel Assembly for manual installation you must order the optional 2KREH-UI handle.

For improved Tangless installation UNF & Metric thread sizes use a different installation mandrel for Free-Running & Locking CoilThread inserts, this is indicated by the –F and –L designation in the part number. **KATO strongly recommends using the Prewinder Electric Tool (KPE Series) for Fine and Metric thread sizes.

Tangless Replacement Parts, Spare Parts & Components	
Suffix	**Description**
K	Pawl Kit – includes one pawl, two pins, and two springs (Add a K to the end of the Pawl part number)
G	Nylon Guard (Add a G to the end of the Mandrel Assembly part number)
H	Adjusting Sleeve Housing (Does not include Nylon Guard, add an H to the end of the Mandrel Assembly part number)

Cross References:

For your convenience the cross reference table below includes the new KATO part number, the superseded (old) KATO part number, and the HeliCoil part number where applicable.

New KATO Part Number	Superseded Part Number	HeliCoil Part Number
Unified Coarse		
2KREC-02	CT16002-02	7571-02
2KREC-02M	CT16410-02BH	N/A
2KREC-04	CT16002-04	7571-04
2KREC-04M	CT16410-04BH	N/A
2KREC-06	CT16002-06	7571-06
2KREC-06M	CT16410-06BH	N/A
2KREC-2	CT16002-2	7571-2
2KREC-2M	CT16410-2BH	N/A
2KREC-3	CT16002-3	7571-3
2KREC-3M	CT16410-3	N/A
2KREC-4	CT16002-4	7571-4
2KREC-4M	CT16410-4	N/A
2KREC-5	N/A - NEW PART	N/A
2KREC-5M	N/A - NEW PART	N/A
2KREC-6	N/A - NEW PART	N/A
2KREC-6M	N/A - NEW PART	N/A
Unified Fine		
2KREF-F3	CT16003-3	7572-3
2KREF-F3M	CT16411-3	N/A
2KREF-L3	CT16003-3	7572-3
2KREF-L3M	CT16411-3	N/A
Metric Coarse		
2KREM-F2.5	CT16002-M2.5F	N/A
2KREM-L2.5	CT16002-M2.5L	N/A
2KREM-F3	CT16002-M3F	N/A
2KREM-L3	CT16002-M3L	N/A
2KREM-F4	CT16002-M4F	N/A
2KREM-L4	CT16002-M4L	N/A
2KREM-F5	CT16002-M5F	N/A
2KREM-L5	CT16002-M5L	N/A
2KREM-F6	CT16002-M6F	N/A
2KREM-L6	CT16002-M6L	N/A
2KREM-F8	CT16002-M8F	N/A
2KREM-L8	CT16002-M8L	N/A

New KATO Part Number	Superseded Part Number	HeliCoil Part Number
Unified Coarse		
KREC-02	CTSB-02C	8051-02
KREC-04	CTSB-04C	8051-04
KREC-06	CTSB-06C	8051-06
KREC-1	CTSB-1C	8051-1
KREC-2	CTSB-2C	8051-2
KREC-3	CTSB-3C	8051-3
KREC-4	CTSB-4C	8051-4
Unified Fine		
KREF-3	CTSB-3F	10089-3
KREF-4	CTSB-4F	10089-4
Metric Coarse		
KREM-2.5	CTSB-M2.5	N/A
KREM-3	CTSB-M3	N/A
KREM-3.5	CTSB-M3.5	N/A
KREM-4	CTSB-M4	N/A
KREM-5	CTSB-M5	N/A
KREM-6	CTSB-M6	N/A
KREM-8	CTSB-M8X1.25C	N/A

KATO Removal Tool

KRT Series

Description:

KATO Removal Tools (KRT) are insert specific, one style for Tangless CoilThread inserts and one for tanged CoilThread inserts.

Tangless: Tangless KATO Removal Tool (2KRT) is unique in the helical coil screw thread insert industry. The KATO Tangless removal tool provides quick, non-destructive removal of Tangless inserts, preventing damage to the parent material and expensive castings.

The KATO Tangless removal tool simply threads into the installed insert, grabs the removal notch and threads the insert out without damaging the internal STI threads or surface of the casting. Another unique feature to the KATO Tangless removal tool is it's ability to back out or adjust an insert that's been installed too deep, giving operators greater control over installation depth.

As an added benefit the mandrel assembly portion of the KATO Tangless removal tool can be withdrawn from the blue handle and inserted into the KATO SB-400C (CT5405) or SB-650C (CT5406) electric drivers for high-speed and convenience when a large number of inserts need to be removed or adjusted. This is impossible with conventional tanged style inserts.

Tanged: The KATO Tanged Removal/Extraction Tool (KRT) is designed with a wedge-shaped tip and an integrated handle. The sharp tip is used to dig into the installed tanged insert. The handle is then used to turn tool counter-clockwise while applying pressure (a hammer may be required) until the insert is extracted from the parent material. Extraction of a tanged insert is only possible if the insert isn't installed too deep, and the KRT can reach it.

The extraction processes typically results in damage to the surface of the parent material and possibly the STI Threads as well. KATO suggests caution when using the KRT to minimize damage to parent material. To avoid damage to your casting and minimize rework KATO recommends using Tangless CoilThread inserts.

Consider switching to KATO Tangless CoilThread Inserts and never use a destructive tanged extraction tool again!

Features and Benefits (for Tangless 2KRT only):

- Provides quick, non-destructive Removal.
- Adjust the installation depth of inserts that are too deep.
- Can be used in KATO electric drivers for fast, convenient removal of a large number of inserts.

KATO Tangless Removal Tool (2KRT Series)
(Handle & Wrenches Included)

KATO Tanged Removal/Extraction Tools
(KRT Series)

KATO Removal Tool

KRT Series

Nominal Thread Size	Tangless Removal Tool	Tangless Replacement Pawl	Tanged Removal Tool
Unified Coarse - UNC			
2-56	2KRTC-02	2KRPC-02	KRTV-02
3-48	N/A	N/A	KRTV-06
4-40	2KRTC-04	2KRPC-04	
5-40	N/A	N/A	
6-32	2KRTC-06	2KRPC-06	
8-32	2KRTC-2	2KRPC-2	
10-24	2KRTC-3	2KRPC-3	KRTV-6
12-14	N/A	N/A	
1/4-20	2KRTC-4	2KRPC-4	
5/16-18	2KRTC-5	2KRPC-5	
3/8-16	2KRTC-6	2KRPC-6	
7/16-14	N/A	N/A	KRTV-16
1/2-13	N/A	N/A	
Unified Fine - UNF			
3-56	N/A	N/A	KRTV-06
4-48	N/A	N/A	
6-40	N/A	N/A	
8-36	N/A	N/A	
10-32	2KRTF-3	2KRPF-3	KRTV-6
1/4-28	2KRTF-4	2KRPF-4	
5/16-24	2KRTF-5	2KRPF-5	
3/8-24	2KRTF-6	2KRPF-6	
7/16-20	N/A	N/A	KRTV-16
1/2-20	N/A	N/A	

Nominal Thread Size	Tangless Removal Tool	Tangless Replacement Pawl	Tanged Removal Tool
Metric Coarse			
M2X.4	2KRTM-2	2KRPM-2	KRTV-02
M2.2X.45	N/A	N/A	KRTV-06
M2.5X.45	2KRTM-2.5	2KRPM-2.5	
M3X.5	2KRTM-3	2KRPM-3	
M3.5X.6	N/A	N/A	
M4X.7	2KRTM-4	2KRPM-4	
M5X.8	2KRTM-5	2KRPM-5	KRTV-6
M6X1	2KRTM-6	2KRPM-6	
M7X1	N/A	N/A	
M8X1.25	2KRTM-8	2KRPM-8	
M10X1.5	2KRTM-10	2KRPM-10	
M12X1.75	2KRTM-12	2KRPM-12	KRTV-16
M14X2	N/A	N/A	
Metric Fine			
M8X1	N/A	N/A	KRTV-06
M10X1	N/A	N/A	
M10X1.25	N/A	N/A	
M12X1.25	N/A	N/A	
M12X1.5	N/A	N/A	KRTV-6
M14X1.5	N/A	N/A	KRTV-16

Please Note: For tanged sizes 9/16 thru 1" and M16 thru M24 use KRTV-16, for tanged sizes 1-1/8 thru 1-1½ use KRTV-24.

Tangless Replacement Parts, Spare Parts & Components	
Suffix	**Description**
K	Pawl Kit – includes one pawl, two pins, and two springs (Add a K to the end of the Pawl part number)
G	Nylon Guard (Add a G to the end of the Tangless Removal Tool part number)
H	Adjusting Sleeve Housing (Does not include Nylon Guard, add an H to the end of the Tangless Removal Tool part number)
M	Mandrel (Add an M at the end of the Tangless Removal Tool part number)

Cross References:

For your convenience the cross reference table below includes the new KATO part number, the superseded (old) KATO part number, and the HeliCoil part number where applicable.

New KATO Part Number	Superseded Part Number	HeliCoil Part Number
Unified Coarse		
2KRTC-02	CT16002R-02	7570-02
2KRTC-02M	CT16410-02	N/A
2KRTC-04	CT16002R-04	7570-04
2KRTC-04M	CT16410-04	N/A
2KRTC-06	CT16002R-06	7570-06
2KRTC-06M	CT16410-06	N/A
2KRTC-2	CT16002R-2	7570-2
2KRTC-2M	CT16410-2	N/A
2KRTC-3	CT16002R-3	7570-3
2KRTC-3M	CT16410R-3	N/A
2KRTC-4	CT16002R-4	7570-4
2KRTC-4M	CT16410R-4	N/A
Unified Fine		
2KRTF-3	CT16003R-3	7570-3
2KRTF-3M	CT16411R-3	N/A
2KRTF-4	CT16003R-4	7570-4
2KRTF-4M	CT16411R-4	N/A
Metric Coarse		
2KRTM-2	NEW	N/A
2KRTM-2.5	CT16002R-M2.5	N/A
2KRTM-3	CT16002R-M3	N/A
2KRTM-4	CT16002R-M4	N/A
2KRTM-5	CT16002R-M5	N/A
2KRTM-6	CT16002R-M6	N/A
2KRTM-8	CT16002R-M8	N/A
2KRTM-10	CT16002R-M10	N/A

New KATO Part Number	Superseded Part Number	HeliCoil Part Number
KRTV-02	CET-02	1227-02
KRTV-06	CET-06	1227-06
KRTV-6	CET-6	1227-6
KRTV-16	CET-16	1227-16
KRTV-24	CET-24	1227-24

KATO Tang Break-Off Tool

KTBT Series

Description:

The KATO Tang Break-Off Tool (KTBT), as the name implies is a spring-loaded punch designed to cleanly break the tang off of conventional CoilThread inserts once they are installed. KATO recommends the tang be removed from the insert after installation.

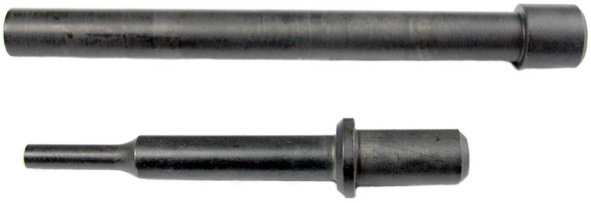
The standard KTBT tool is designed to break tangs off of inserts up to 2 Dia in length. For longer inserts 2.5 & 3 Dia nominal length a longer punch is needed (see table for details).

To eliminate the tang break-off process, and to ensure a FOD-Free assembly consider switching to KATO Tangless CoilThread inserts, there are no tangs to break-off, retrieve or lose!

Features and Benefits:

- Available for tanged insert sizes up to 1/2" and M12.
- Steel Construction for durability and prolonged tool life.
- Replacement punch available for all sizes.
- Lower cost than similar tools from competitors.

KATO Tang Break-Off Tools (KTBT)



KTBT Replacement Punch

KATO Tang Break-Off Tool

KTBT Series

Nominal Thread Size	Tang Break-Off Tool (2 Dia)	Replacement Punch (2 Dia)	Tanged Break-Off Tool (2½ & 3 Dia)
Unified Coarse - UNC			
2-56	KTBT-02	KTBT-02RP	KTBT-02-30
3-48			
4-40	KTBT-04	KTBT-04RP	KTBT-04-30
5-40			
6-32	KTBT-06	KTBT-06RP	KTBT-06-30
8-32	KTBT-2	KTBT-2RP	KTBT-2-30
10-24	KTBT-3	KTBT-3RP	KTBT-3-30
12-14			
1/4-20	KTBT-4	KTBT-4RP	KTBT-4-30
5/16-18	KTBT-5	KTBT-5RP	KTBT-5-30
3/8-16	KTBT-6	KTBT-6RP	KTBT-6-30
7/16-14	KTBT-7	KTBT-7RP	KTBT-7-30
1/2-13	KTBT-8	KTBT-8RP	KTBT-8-30
Unified Fine – UNF			
3-56	KTBT-02	KTBT-02RP	KTBT-02-30
4-48	KTBT-04	KTBT-04RP	KTBT-04-30
6-40	KTBT-06	KTBT-06RP	KTBT-06-30
8-36	KTBT-2	KTBT-2RP	KTBT-2-30
10-32	KTBT-3	KTBT-3RP	KTBT-3-30
1/4-28	KTBT-4	KTBT-4RP	KTBT-4-30
5/16-24	KTBT-5	KTBT-5RP	KTBT-5-30
3/8-24	KTBT-6	KTBT-6RP	KTBT-6-30
7/16-20	KTBT-7	KTBT-7RP	KTBT-7-30
1/2-20	KTBT-8	KTBT-8RP	KTBT-8-30

Nominal Thread Size	Tang Break-Off Tool (2 Dia)	Replacement Punch (2 Dia)	Tanged Break-Off Tool (2½ & 3 Dia)
Metric Coarse			
M2.2X.45	KTBT-02	KTBT-02RP	KTBT-02-30
M2.5X.45			
M3X.5	KTBT-04	KTBT-04RP	KTBT-04-30
M3.5X.6	KTBT-06	KTBT-06RP	KTBT-06-30
M4X.7	KTBT-2	KTBT-2RP	KTBT-2-30
M5X.8	KTBT-3	KTBT-3RP	KTBT-3-30
M6X1	KTBT-4	KTBT-4RP	KTBT-4-30
M7X1			
M8X1.25	KTBT-5	KTBT-5RP	KTBT-5-30
M10X1.5	KTBT-6	KTBT-6RP	KTBT-6-30
M12X1.75	KTBT-8	KTBT-8RP	KTBT-8-30
Metric Fine			
M8X1	KTBT-5	KTBT-5RP	KTBT-5-30
M10X1	KTBT-6	KTBT-6RP	KTBT-6-30
M10X1.25			
M12X1.25	KTBT-8	KTBT-8RP	KTBT-8-30
M12X1.5			

Please Note: For sizes larger than ½" and M12 use long-nosed pliers; bend tang up and down to snap off at notch.

Replacement Parts, Spare Parts & Components	
Suffix	**Description**
-30	Replacement Punch for 2½ & 3 Dia Nominal Lengths (Add -30 at the end of the 2 Dia Replacement Punch part number)

Cross References:

For your convenience the cross reference table below includes the new KATO part number, the superseded (old) KATO part number, and the HeliCoil part number where applicable.

New KATO Part Number	Superseded Part Number	HeliCoil Part Number 1	HeliCoil Part Number 2	HeliCoil Part Number 3
KTBT-02	CAB-02	3695-02	4238-2.2	N/A
KTBT-02-30	CAB-02-30	3695-02-30	4238-2.2-30	N/A
KTBT-02RP	CAB-02RP	3697-02RP	N/A	N/A
KTBT-04	CAB-04	3695-04	4238-3	N/A
KTBT-04-30	CAB-04-30	3695-04-30	4238-3-30	N/A
KTBT-04RP	CAB-04RP	3697-04	N/A	N/A
KTBT-06	CAB-06	3695-06	N/A	N/A
KTBT-06-30	CAB-06-30	3695-06-30	N/A	N/A
KTBT-06RP	CAB-06RP	3697-06	N/A	N/A
KTBT-2	CAB-2	3695-2	4238-4	N/A
KTBT-2-30	CAB-2-30	3695-2-30	4238-4-30	N/A
KTBT-2RP	CAB-2RP	3697-2	N/A	N/A
KTBT-3	CAB-3	3695-3	4238-5	N/A
KTBT-3-30	CAB-3-30	3695-3-30	4238-5-30	N/A
KTBT-3RP	CAB-3RP	3697-3	N/A	N/A
KTBT-4	CAB-4	3695-4	4238-6	N/A
KTBT-4-30	CAB-4-30	3695-4-30	4238-6-30	N/A
KTBT-4RP	CAB-4RP	3697-4	N/A	N/A
KTBT-5	CAB-5	3695-5	3692-5	4238-8
KTBT-5-30	CAB-5-30	3695-5-30	3692-5-30	4238-8-30
KTBT-5RP	CAB-5RP	3697-5	3645-5	N/A
KTBT-6	CAB-6	3695-6	3692-6	4238-10
KTBT-6RP	CAB-6RP	3697-6	3645-6	N/A
KTBT-7	CAB-7	3695-7	3692-7	N/A
KTBT-7RP	CAB-7RP	3697-7	3645-7	N/A
KTBT-8	CAB-8	3695-8	3692-8	4238-12
KTBT-8RP	CAB-8RP	3697-8	3645-8	N/A

Please Note: HeliCoil uses different part numbers for the same tool to distinguish between Unified Coarse, Unified Fine and Metric thread sizes. Consequently, there are as many as three HeliCoil part numbers for the same tool.

KATO CoilThread Taps (STI)

CT Series

Description:

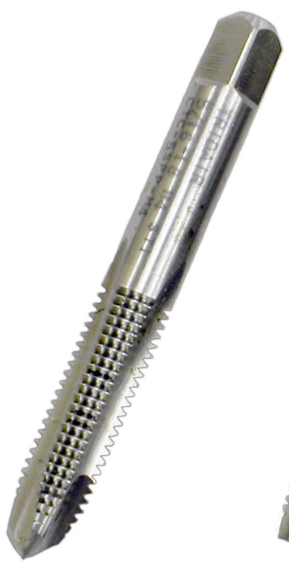
KATO CoilThread STI (Screw Thread Insert) Taps are designed specifically to create internal threads that will accommodate a KATO CoilThread insert. KATO STI Taps can be used in a range of materials including aluminum, magnesium, steel, plastics and other free machining materials. KATO Taps are manufactured from High Speed Steel for durability and prolonged tooling life.

KATO offers four tap styles for various applications:

- Plug Style (4 Thread Chamfer) - Easy starting for thru holes and blind holes.
- Bottoming Style (2 Thread Chamfer) - Ideal for blind holes that are drilled to a minimum depth.
- Spiral Pointed Plug (4 Thread Chamfer) - Designed to push chips forward, ideal for use in long thru holes and blind holes with adequate chip clearance.
- Spiral Flute Bottoming (2 Thread Chamfer) - Designed to pull chips out of deep or blind holes in soft materials.

Features and Benefits:

- KATO STI Taps can be used for both Tangless and tanged CoilThread inserts.
- Available in 3B and 2B (Unified) or 4H and 5H (Metric) Class of Fit.
- Available for a full range of Unified and Metric thread sizes.
- Lower cost than similar taps from competitors.



Standard Regular Finishing Plug (SRP)

Standard Regular Finishing Bottoming (SRB)

Spiral Pointed Plug (SPP)

Spiral Flute Bottoming (SFB)

KATO CoilThread Taps (STI)

CT Series

Nominal Thread Size	Standard Regular Finishing				Spiral Pointed		Spiral Flute	
	Plug		Bottoming		Plug		Bottoming	
	3B	2B	3B	2B	3B	2B	3B	2B
Unified Coarse - UNC								
2-56	CTC-02SRP-H1	CTC-02SRP-H2	CTC-02SRB-H1	CTC-02SRB-H2	CTC-02SPP-H1	CTC-02SPP-H2	CTC-02SFB-H1	CTC-02SFB-H2
3-48	CTC-03SRP-H1	CTC-03SRP-H2	CTC-03SRB-H1	CTC-03SRB-H2	CTC-03SPP-H1	CTC-03SPP-H2	CTC-03SFB-H1	CTC-03SFB-H2
4-40	CTC-04SRP-H1	CTC-04SRP-H2	CTC-04SRB-H1	CTC-04SRB-H2	CTC-04SPP-H1	CTC-04SPP-H2	CTC-04SFB-H1	CTC-04SFB-H2
5-40	CTC-05SRP-H1	CTC-05SRP-H2	CTC-05SRB-H1	CTC-05SRB-H2	CTC-05SPP-H1	CTC-05SPP-H2	CTC-05SFB-H1	CTC-05SFB-H2
6-32	CTC-06SRP-H2	CTC-06SRP-H3	CTC-06SRB-H2	CTC-06SRB-H3	CTC-06SPP-H2	CTC-06SPP-H3	CTC-06SFB-H2	CTC-06SFB-H3
8-32	CTC-2SRP-H2	CTC-2SRP-H3	CTC-2SRB-H2	CTC-2SRB-H3	CTC-2SPP-H2	CTC-2SPP-H3	CTC-2SFB-H2	CTC-2SFB-H3
10-24	CTC-3SRP-H2	CTC-3SRP-H3	CTC-3SRB-H2	CTC-3SRB-H3	CTC-3SPP-H2	CTC-3SPP-H3	CTC-3SFB-H2	CTC-3SFB-H3
12-24	CTC-1SRP-H2	CTC-1SRP-H3	CTC-1SRB-H2	CTC-1SRB-H3	CTC-1SPP-H2	CTC-1SPP-H3	CTC-1SFB-H2	CTC-1SFB-H3
1/4-20	CTC-4SRP-H2	CTC-4SRP-H3	CTC-4SRB-H2	CTC-4SRB-H3	CTC-4SPP-H2	CTC-4SPP-H3	CTC-4SFB-H2	CTC-4SFB-H3
5/16-18	CTC-5SRP-H2	CTC-5SRP-H3	CTC-5SRB-H2	CTC-5SRB-H3	CTC-5SPP-H2	CTC-5SPP-H3	CTC-5SFB-H2	CTC-5SFB-H3
3/8-16	CTC-6SRP-H3	CTC-6SRP-H4	CTC-6SRB-H3	CTC-6SRB-H4	CTC-6SPP-H3	CTC-6SPP-H4	CTC-6SFB-H3	CTC-6SFB-H4
7/16-14	CTC-7SRP-H3	CTC-7SRP-H4	CTC-7SRB-H3	CTC-7SRB-H4	CTC-7SPP-H3	CTC-7SPP-H4	CTC-7SFB-H3	CTC-7SFB-H4
1/2-13	CTC-8SRP-H3	CTC-8SRP-H4	CTC-8SRB-H3	CTC-8SRB-H4	CTC-8SPP-H3	CTC-8SPP-H4	CTC-8SFB-H3	CTC-8SFB-H4
9/16-12	CTC-9SRP-H3	CTC-9SRP-H4	CTC-9SRB-H3	CTC-9SRB-H4	N/A	N/A	N/A	N/A
5/8-11	CTC-10SRP-H3	CTC-10SRP-H4	CTC-10SRB-H3	CTC-10SRB-H4	N/A	N/A	N/A	N/A
3/4-10	CTC-12SRP-H3	CTC-12SRP-H5	CTC-12SRB-H3	CTC-12SRB-H5	N/A	N/A	N/A	N/A
7/8-9	CTC-14SRP-H3	CTC-14SRP-H5	CTC-14SRB-H3	CTC-14SRB-H5	N/A	N/A	N/A	N/A
1-8	CTC-16SRP-H4	CTC-16SRP-H6	CTC-16SRB-H4	CTC-16SRB-H6	N/A	N/A	N/A	N/A
Unified Fine - UNF								
3-56	CTF-03SRP-H1	CTF-03SRP-H2	CTF-03SRB-H1	CTF-03SRB-H2	CTF-03SPP-H1	CTF-03SPP-H2	CTF-03SFB-H1	CTF-03SFB-H2
4-48	CTF-04SRP-H1	CTF-04SRP-H2	CTF-04SRB-H1	CTF-04SRB-H2	CTF-04SPP-H1	CTF-04SPP-H2	CTF-04SFB-H1	CTF-04SFB-H2
6-40	CTF-06SRP-H1	CTF-06SRP-H2	CTF-06SRB-H1	CTF-06SRB-H2	CTF-06SPP-H1	CTF-06SPP-H2	CTF-06SFB-H1	CTF-06SFB-H2
8-36	CTF-2SRP-H1	CTF-2SRP-H2	CTF-2SRB-H1	CTF-2SRB-H2	CTF-2SPP-H1	CTF-2SPP-H2	CTF-2SFB-H1	CTF-2SFB-H2
10-32	CTF-3SRP-H2	CTF-3SRP-H3	CTF-3SRB-H2	CTF-3SRB-H3	CTF-3SPP-H2	CTF-3SPP-H3	CTF-3SFB-H2	CTF-3SFB-H3
1/4-28	CTF-4SRP-H2	CTF-4SRP-H3	CTF-4SRB-H2	CTF-4SRB-H3	CTF-4SPP-H2	CTF-4SPP-H3	CTF-4SFB-H2	CTF-4SFB-H3
5/16-24	CTF-5SRP-H2	CTF-5SRP-H3	CTF-5SRB-H2	CTF-5SRB-H3	CTF-5SPP-H2	CTF-5SPP-H3	CTF-5SFB-H2	CTF-5SFB-H3
3/8-24	CTF-6SRP-H2	CTF-6SRP-H3	CTF-6SRB-H2	CTF-6SRB-H3	CTF-6SPP-H2	CTF-6SPP-H3	CTF-6SFB-H2	CTF-6SFB-H3
7/16-20	CTF-7SRP-H3	CTF-7SRP-H4	CTF-7SRB-H3	CTF-7SRB-H4	CTF-7SPP-H3	CTF-7SPP-H4	CTF-7SFB-H3	CTF-7SFB-H4
1/2-20	CTF-8SRP-H3	CTF-8SRP-H4	CTF-8SRB-H3	CTF-8SRB-H4	CTF-8SPP-H3	CTF-8SPP-H4	CTF-8SFB-H3	CTF-8SFB-H4
9/16-18	CTF-9SRP-H3	CTF-9SRP-H4	CTF-9SRB-H3	CTF-9SRB-H4	N/A	N/A	N/A	N/A
5/8-18	CTF-10SRP-H3	CTF-10SRP-H4	CTF-10SRB-H3	CTF-10SRB-H4	N/A	N/A	N/A	N/A
3/4-16	CTF-12SRP-H3	CTF-12SRP-H4	CTF-12SRB-H3	CTF-12SRB-H4	N/A	N/A	N/A	N/A
7/8-14	CTF-14SRP-H3	CTF-14SRP-H4	CTF-14SRB-H3	CTF-14SRB-H4	N/A	N/A	N/A	N/A
1-12	CTF-16SRP-H4	CTF-16SRP-H6	CTF-16SRB-H4	CTF-16SRB-H6	N/A	N/A	N/A	N/A

KATO CoilThread Taps (STI)

CT Series

Nominal Thread Size	Standard Regular Finishing			
	Plug		Bottoming	
	4H	5H	4H	5H
Metric Coarse				
M2X0.4	CTM-2X.4SRP-4H	CTM-2X.4SRP-5H	CTM-2X.4SRB-4H	CTM-2X.4SRB-5H
M2.2X0.45	CTM-2.2X.45SRP-4H	CTM-2.2X.45SRP-5H	CTM-2.2X.45SRB-4H	CTM-2.2X.45SRB-5H
M2.5X0.45	CTM-2.5X.45SRP-4H	CTM-2.5X.45SRP-5H	CTM-2.5X.45SRB-4H	CTM-2.5X.45SRB-5H
M3X0.5	CTM-3X.5SRP-4H	CTM-3X.5SRP-5H	CTM-3X.5SRB-4H	CTM-3X.5SRB-5H
M3.5X0.6	CTM-3.5X.6SRP-4H	CTM-3.5X.6SRP-5H	CTM-3.5X.6SRB-4H	CTM-3.5X.6SRB-5H
M4X0.7	CTM-4X.7SRP-4H	CTM-4X.7SRP-5H	CTM-4X.7SRB-4H	CTM-4X.7SRB-5H
M5X0.8	CTM-5X.8SRP-4H	CTM-5X.8SRP-5H	CTM-5X.8SRB-4H	CTM-5X.8SRB-5H
M6X1	CTM-6X1SRP-4H	CTM-6X1SRP-5H	CTM-6X1SRB-4H	CTM-6X1SRB-5H
M7X1	CTM-7X1SRP-4H	CTM-7X1SRP-5H	CTM-7X1SRB-4H	CTM-7X1SRB -5H
M8X1.25	CTM-8X1.25SRP-4H	CTM-8X1.25SRP-5H	CTM-8X1.25SRB-4H	CTM-8X1.25SRB-5H
M10X1.5	CTM-10X1.5SRP-4H	CTM-10X1.5SRP-5H	CTM-10X1.5SRB-4H	CTM-10X1.5SRB-5H
M12X1.75	CTM-12X1.75SRP-4H	CTM-12X1.75SRP-5H	CTM-12X1.75SRB-4H	CTM-12X1.75SRB-5H
M14X2	CTM-14X2SRP-4H	CTM-14X2SRP-5H	CTM-14X2SRB-4H	CTM-14X2SRB-5H
M16X2	CTM-16X2SRP-4H	CTM-16X2SRP-5H	CTM-16X2SRB-4H	CTM-16X2SRB-4H
M18X2.5	CTM-18X2.5SRP-4H	CTM-18X2.5SRP-5H	CTM-18X2.5SRB-4H	CTM-18X2.5SRB-5H
M20X2.5	CTM-20X2.5SRP-4H	CTM-20X2.5SRP-5H	CTM-20X2.5SRB-4H	CTM-20X2.5SRB-5H
M22X2.5	CTM-22X2.5SRP-4H	CTM-22X2.5SRP-5H	CTM-22X2.5SRB-4H	CTM-22X2.5SRB-5H
M24X3	CTM-24X3SRP-4H	CTM-24X3SRP-5H	CTM-24X3SRB-4H	CTM-24X3SRB-5H
Metric Fine				
M8X1	CTM-8X1SRP-4H	CTM-8X1SRP-5H	CTM-8X1SRB-4H	CTM-8X1SRB-5H
M10X1	CTM-10X1SRP-4H	CTM-10X1SRP-5H	CTM-10X1SRB-4H	CTM-10X1SRB-5H
M10X1.25	CTM-10X1.25SRP-4H	CTM-10X1.25SRP-5H	CTM-10X1.25SRB-4H	CTM-10X1.25SRB-5H
M12X1.25	CTM-12X1.25SRP-4H	CTM-12X1.25SRP-5H	CTM-12X1.25SRB-4H	CTM-12X1.25SRB-5H
M12X1.5	CTM-12X1.5SRP-4H	CTM-12X1.5SRP-5H	CTM-12X1.5SRB-4H	CTM-12X1.5SRB-5H
M14X1.5	CTM-14X1.5SRP-4H	CTM-14X1.5SRP-5H	CTM-14X1.5SRB-4H	CTM-14X1.5SRB-5H
M16X1.5	CTM-16X1.5SRP-4H	CTM-16X1.5SRP-5H	CTM-16X1.5SRB-4H	CTM-16X1.5SRB-5H
M18X1.5	CTM-18X1.5SRP-4H	CTM-18X1.5SRP-5H	CTM-18X1.5SRB-4H	CTM-18X1.5SRB-5H
M20X1.5	CTM-20X1.5SRP-4H	CTM-20X1.5SRP-5H	CTM-20X1.5SRB-4H	CTM-20X1.5SRB-5H
M22X1.5	CTM-22X1.5SRP-4H	CTM-22X1.5SRP-5H	CTM-22X1.5SRB-4H	CTM-22X1.5SRB-5H
M18X2	CTM-18X2SRP-4H	CTM-18X2SRP-5H	CTM-18X2SRB-4H	CTM-18X2SRB-5H
M20X2	CTM-20X2SRP-4H	CTM-20X2SRP-5H	CTM-20X2SRB-4H	CTM-20X2SRB-5H
M22X2	CTM-22X2SRP-4H	CTM-22X2SRP-5H	CTM-22X2SRB-4H	CTM-22X2SRB-5H
M24X2	CTM-24X2SRP-4H	CTM-24X2SRP-5H	CTM-24X2SRB-4H	CTM-24X2SRB-5H

KATO CoilThread Taps (STI)

CT Series

Nominal Thread Size	Spiral Pointed		Spiral Flute	
	Plug		Bottoming	
	4H	5H	4H	5H
Metric Coarse				
M2X0.4	CTM-2X.4SPP-4H	CTM-2X.4SPP-5H	CTM-2X.4SFB-4H	CTM-2X.4SFB-5H
M2.2X0.45	CTM-2.2X.45SPP-4H	CTM-2.2X.45SPP-5H	CTM-2.2X.45SFB-4H	CTM-2.2X.45SFB-5H
M2.5X0.45	CTM-2.5X.45SPP-4H	CTM-2.5X.45SPP-5H	CTM-2.5X.45SFB-4H	CTM-2.5X.45SFB-5H
M3X0.5	CTM-3X.5SPP-4H	CTM-3X.5SPP-5H	CTM-3X.5SFB-4H	CTM-3X.5SFB-5H
M3.5X0.6	CTM-3.5X.6SPP-4H	CTM-3.5X.6SPP-5H	CTM-3.5X.6SFB-4H	CTM-3.5X.6SFB-5H
M4X0.7	CTM-4X.7SPP-4H	CTM-4X.7SPP-5H	CTM-4X.7SFB-4H	CTM-4X.7SFB-5H
M5X0.8	CTM-5X.8SPP-4H	CTM-5X.8SPP-5H	CTM-5X.8SFB-4H	CTM-5X.8SFB-5H
M6X1	CTM-6X1SPP-4H	CTM-6X1SPP-5H	CTM-6X1SFB-4H	CTM-6X1SFB-5H
M7X1	CTM-7X1SPP-4H	CTM-7X1SPP-5H	CTM-7X1SFB-4H	CTM-7X1SFB -5H
M8X1.25	CTM-8X1.25SPP-4H	CTM-8X1.25SPP-5H	CTM-8X1.25SFB-4H	CTM-8X1.25SFB-5H
M10X1.5	CTM-10X1.5SPP-4H	CTM-10X1.5SPP-5H	CTM-10X1.5SFB-4H	CTM-10X1.5SFB-5H
M12X1.75	CTM-12X1.75SPP-4H	CTM-12X1.75SPP-5H	CTM-12X1.75SFB-4H	CTM-12X1.75SFB-5H
M14X2	N/A	N/A	N/A	N/A
M16X2	N/A	N/A	N/A	N/A
M18X2.5	N/A	N/A	N/A	N/A
M20X2.5	N/A	N/A	N/A	N/A
M22X2.5	N/A	N/A	N/A	N/A
M24X3	N/A	N/A	N/A	N/A
Metric Fine				
M8X1	CTM-8X1SPP-4H	CTM-8X1SPP-5H	CTM-8X1SFB-4H	CTM-8X1SFB-5H
M10X1	CTM-10X1SPP-4H	CTM-10X1SPP-5H	CTM-10X1SFB-4H	CTM-10X1SFB-5H
M10X1.25	CTM-10X1.25SPP-4H	CTM-10X1.25SPP-5H	CTM-10X1.25SFB-4H	CTM-10X1.25SFB-5H
M12X1.25	CTM-12X1.25SPP-4H	CTM-12X1.25SPP-5H	CTM-12X1.25SFB-4H	CTM-12X1.25SFB-5H
M12X1.5	CTM-12X1.5SPP-4H	CTM-12X1.5SPP-5H	CTM-12X1.5SFB-4H	CTM-12X1.5SFB-5H
M14X1.5	N/A	N/A	N/A	N/A
M16X1.5	N/A	N/A	N/A	N/A
M18X1.5	N/A	N/A	N/A	N/A
M20X1.5	N/A	N/A	N/A	N/A
M22X1.5	N/A	N/A	N/A	N/A
M18X2	N/A	N/A	N/A	N/A
M20X2	N/A	N/A	N/A	N/A
M22X2	N/A	N/A	N/A	N/A
M24X2	N/A	N/A	N/A	N/A

Cross References:

For your convenience the cross reference table below includes the new KATO part number, the superseded (old) KATO part number, and the HeliCoil part number where applicable.

KATO Part Number	HeliCoil Part Number	KATO Part Number	HeliCoil Part Number	KATO Part Number	HeliCoil Part Number	KATO Part Number	HeliCoil Part Number
3B Standard Plug		2B Standard Plug		3B Standard Bottoming		2B Standard Bottoming	
Unified Coarse							
CTC-02SRP-H1	02CPB	CTC-02SRP-H2	02CPA	CTC-02SRB-H1	02CBB	CTC-02SRB-H2	02CBA
CTC-03SRP-H1	03CPB	CTC-03SRP-H2	03CPA	CTC-03SRB-H1	03CBB	CTC-03SRB-H2	03CBA
CTC-04SRP-H1	04CPB	CTC-04SRP-H2	04CPA	CTC-04SRB-H1	04CBB	CTC-04SRB-H2	04CBA
CTC-05SRP-H1	05CPB	CTC-05SRP-H2	05CPA	CTC-05SRB-H1	05CBB	CTC-05SRB-H2	05CBA
CTC-06SRP-H2	06CPB	CTC-06SRP-H3	06CPA	CTC-06SRB-H2	06CBB	CTC-06SRB-H3	06CBA
CTC-2SRP-H2	2CPB	CTC-2SRP-H3	2CPA	CTC-2SRB-H2	2CBB	CTC-2SRB-H3	2CBA
CTC-3SRP-H2	3CPB	CTC-3SRP-H3	3CPA	CTC-3SRB-H2	3CBB	CTC-3SRB-H3	3CBA
CTC-1SRP-H2	1CPB	CTC-1SRP-H3	1CPA	CTC-1SRB-H2	1CBB	CTC-1SRB-H3	1CBA
CTC-4SRP-H2	4CPB	CTC-4SRP-H3	4CPA	CTC-4SRB-H2	4CBB	CTC-4SRB-H3	4CBA
CTC-5SRP-H2	5CPB	CTC-5SRP-H3	5CPA	CTC-5SRB-H2	5CBB	CTC-5SRB-H3	5CBA
CTC-6SRP-H3	6CPB	CTC-6SRP-H4	6CPA	CTC-6SRB-H3	6CBB	CTC-6SRB-H4	6CBA
CTC-7SRP-H3	7CPB	CTC-7SRP-H4	7CPA	CTC-7SRB-H3	7CBB	CTC-7SRB-H4	7CBA
CTC-8SRP-H3	8CPB	CTC-8SRP-H4	8CPA	CTC-8SRB-H3	8CBB	CTC-8SRB-H4	8CBA
CTC-9SRP-H3	187-9	CTC-9SRP-H4	38187-9	CTC-9SRB-H3	4187-9	CTC-9SRB-H4	43187-9
CTC-10SRP-H3	8187-10	CTC-10SRP-H4	18187-10	CTC-10SRB-H3	10187-10	CTC-10SRB-H4	20187-10
CTC-12SRP-H3	8187-12	CTC-12SRP-H5	18187-12	CTC-12SRB-H3	10187-12	CTC-12SRB-H5	20187-12
CTC-14SRP-H3	8187-14	CTC-14SRP-H5	18187-14	CTC-14SRB-H3	10187-14	CTC-14SRB-H5	20187-14
CTC-16SRP-H4	8187-16	CTC-16SRP-H6	18187-16	CTC-16SRB-H4	10187-16	CTC-16SRB-H6	20187-16
Unified Fine							
CTF-03SRP-H1	03FPB	CTF-03SRP-H2	03FPA	CTF-03SRB-H1	03FBB	CTF-03SRB-H2	03FBA
CTF-04SRP-H1	04FPB	CTF-04SRP-H2	04FPA	CTF-04SRB-H1	04FBB	CTF-04SRB-H2	04FBA
CTF-06SRP-H1	06FPB	CTF-06SRP-H2	06FPA	CTF-06SRB-H1	06FBB	CTF-06SRB-H2	06FBA
CTF-2SRP-H1	2FPB	CTF-2SRP-H2	2FPA	CTF-2SRB-H1	2FBB	CTF-2SRB-H2	2FBA
CTF-3SRP-H2	3FPB	CTF-3SRP-H3	3FPA	CTF-3SRB-H2	3FBB	CTF-3SRB-H3	3FBA
CTF-4SRP-H2	4FPB	CTF-4SRP-H3	4FPA	CTF-4SRB-H2	4FBB	CTF-4SRB-H3	4FBA
CTF-5SRP-H2	5FPB	CTF-5SRP-H3	5FPA	CTF-5SRB-H2	5FBB	CTF-5SRB-H3	5FBA
CTF-6SRP-H2	6FPB	CTF-6SRP-H3	6FPA	CTF-6SRB-H2	6FBB	CTF-6SRB-H3	6FBA
CTF-7SRP-H3	7FPB	CTF-7SRP-H4	7FPA	CTF-7SRB-H3	7FBB	CTF-7SRB-H4	7FBA
CTF-8SRP-H3	8FPB	CTF-8SRP-H4	8FPA	CTF-8SRB-H3	8FBB	CTF-8SRB-H4	8FBA
CTF-9SRP-H3	38193-9	CTF-9SRP-H4	18193-9	CTF-9SRB-H3	43193-9	CTF-9SRB-H4	20193-9
CTF-10SRP-H3	8193-10	CTF-10SRP-H4	18193-10	CTF-10SRB-H3	10193-10	CTF-10SRB-H4	20193-10
CTF-12SRP-H3	8193-12	CTF-12SRP-H4	18193-12	CTF-12SRB-H3	10193-12	CTF-12SRB-H4	20193-12
CTF-14SRP-H3	8193-14	CTF-14SRP-H4	18193-14	CTF-14SRB-H3	10193-14	CTF-14SRB-H4	20193-14
CTF-16SRP-H4	8193-16	CTF-16SRP-H6	18193-16	CTF-16SRB-H4	10193-16	CTF-16SRB-H6	20193-16

Cross References:

For your convenience the cross reference table below includes the new KATO part number, the superseded (old) KATO part number, and the HeliCoil part number where applicable.

KATO Part Number	HeliCoil Part Number	KATO Part Number	HeliCoil Part Number	KATO Part Number	HeliCoil Part Number	KATO Part Number	HeliCoil Part Number
3B Spiral Point Plug		2B Spiral Point Plug		3B Spiral Flute Bottoming		2B Spiral Flute Bottoming	
Unified Coarse							
CTC-02SPP-H1	02CSB	CTC-02SPP-H2	02CSA	CTC-02SFB-H1	5905-02	CTC-02SFB-H2	6905-02
CTC-03SPP-H1	03CSB	CTC-03SPP-H2	03CSA	CTC-03SFB-H1	5905-03	CTC-03SFB-H2	6905-03
CTC-04SPP-H1	04CSB	CTC-04SPP-H2	04CSA	CTC-04SFB-H1	5905-04	CTC-04SFB-H2	6905-04
CTC-05SPP-H1	05CSB	CTC-05SPP-H2	05CSA	CTC-05SFB-H1	5905-05	CTC-05SFB-H2	6905-05
CTC-06SPP-H2	06CSB	CTC-06SPP-H3	06CSA	CTC-06SFB-H2	5905-06	CTC-06SFB-H3	6905-06
CTC-2SPP-H2	2CSB	CTC-2SPP-H3	2CSA	CTC-2SFB-H2	5905-2	CTC-2SFB-H3	6905-2
CTC-3SPP-H2	3CSB	CTC-3SPP-H3	3CSA	CTC-3SFB-H2	5905-3	CTC-3SFB-H3	6905-3
CTC-1SPP-H2	1CSB	CTC-1SPP-H3	1CSA	CTC-1SFB-H2	5905-1	CTC-1SFB-H3	6905-1
CTC-4SPP-H2	4CSB	CTC-4SPP-H3	4CSA	CTC-4SFB-H2	5905-4	CTC-4SFB-H3	6905-4
CTC-5SPP-H2	5CSB	CTC-5SPP-H3	5CSA	CTC-5SFB-H2	5905-5	CTC-5SFB-H3	6905-5
CTC-6SPP-H3	6CSB	CTC-6SPP-H4	6CSA	CTC-6SFB-H3	5905-6	CTC-6SFB-H4	6905-6
CTC-7SPP-H3	7CSB	CTC-7SPP-H4	7CSA	CTC-7SFB-H3	5905-7	CTC-7SFB-H4	6905-7
CTC-8SPP-H3	8CSB	CTC-8SPP-H4	8CSA	CTC-8SFB-H3	5905-8	CTC-8SFB-H4	6905-8
Unified Fine							
CTF-03SPP-H1	03FSB	CTF-03SPP-H2	03FSA	CTF-03SFB-H1	5906-03	CTF-03SFB-H2	6906-03
CTF-04SPP-H1	04FSB	CTF-04SPP-H2	04FSA	CTF-04SFB-H1	5906-04	CTF-04SFB-H2	6906-04
CTF-06SPP-H1	06FSB	CTF-06SPP-H2	06FSA	CTF-06SFB-H1	5906-06	CTF-06SFB-H2	6906-06
CTF-2SPP-H1	2FSB	CTF-2SPP-H2	2FSA	CTF-2SFB-H1	5906-2	CTF-2SFB-H2	6906-2
CTF-3SPP-H2	3FSB	CTF-3SPP-H3	3FSA	CTF-3SFB-H2	5906-3	CTF-3SFB-H3	6906-3
CTF-4SPP-H2	4FSB	CTF-4SPP-H3	4FSA	CTF-4SFB-H2	5906-4	CTF-4SFB-H3	6906-4
CTF-5SPP-H2	5FSB	CTF-5SPP-H3	5FSA	CTF-5SFB-H2	5906-5	CTF-5SFB-H3	6906-5
CTF-6SPP-H2	6FSB	CTF-6SPP-H3	6FSA	CTF-6SFB-H2	5906-6	CTF-6SFB-H3	6906-6
CTF-7SPP-H3	7FSB	CTF-7SPP-H4	7FSA	CTF-7SFB-H3	5906-7	CTF-7SFB-H4	6906-7
CTF-8SPP-H3	8FSB	CTF-8SPP-H4	8FSA	CTF-8SFB-H3	5906-8	CTF-8SFB-H4	6906-8

Cross References:

For your convenience the cross reference table below includes the new KATO part number, the superseded (old) KATO part number, and the HeliCoil part number where applicable.

KATO Part Number	HeliCoil Part Number	KATO Part Number	HeliCoil Part Number	KATO Part Number	HeliCoil Part Number	KATO Part Number	HeliCoil Part Number
4H Standard Plug		**5H Standard Plug**		**4H Standard Bottoming**		**5H Standard Bottoming**	
Metric Coarse							
CTM-2.2X.45SRP-4H	4687-2.2	CTM-2.2X.45SRP-5H	2087-2.2	CTM-2.2X.45SRB-4H	4693-2.2	CTM-2.2X.45SRB-5H	2093-2.2
CTM-2.5X.45SRP-4H	4687-2.5	CTM-2.5X.45SRP-5H	2087-2.5	CTM-2.5X.45SRB-4H	4693-2.5	CTM-2.5X.45SRB-5H	2093-2.5
CTM-3X.5SRP-4H	4687-3	CTM-3X.5SRP-5H	2087-3	CTM-3X.5SRB-4H	4693-3	CTM-3X.5SRB-5H	2093-3
CTM-3.5X.6SRP-4H	4687-3.5	CTM-3.5X.6SRP-5H	2087-3.5	CTM-3.5X.6SRB-4H	4693-3.5	CTM-3.5X.6SRB-5H	2093-3.5
CTM-4X.7SRP-4H	4687-4	CTM-4X.7SRP-5H	2087-4	CTM-4X.7SRB-4H	4693-4	CTM-4X.7SRB-5H	2093-4
CTM-5X.8SRP-4H	4687-4.5	CTM-5X.8SRP-5H	2087-4.5	CTM-5X.8SRB-4H	4693-4.5	CTM-5X.8SRB-5H	2093-4.5
CTM-6X1SRP-4H	4687-6	CTM-6X1SRP-5H	2087-6	CTM-6X1SRB-4H	4693-6	CTM-6X1SRB-5H	2093-6
CTM-7X1SRP-4H	4687-7	CTM-7X1SRP-5H	2087-7	CTM-7X1SRB-4H	4693-7	CTM-7X1SRB -5H	2093-7
CTM-8X1.25SRP-4H	4687-8	CTM-8X1.25SRP-5H	2087-8	CTM-8X1.25SRB-4H	4693-8	CTM-8X1.25SRB-5H	2093-8
CTM-10X1.5SRP-4H	4687-10	CTM-10X1.5SRP-5H	2087-10	CTM-10X1.5SRB-4H	4693-10	CTM-10X1.5SRB-5H	2093-10
CTM-12X1.75SRP-4H	4687-12	CTM-12X1.75SRP-5H	2087-12	CTM-12X1.75SRB-4H	4693-12	CTM-12X1.75SRB-5H	2093-12
CTM-14X2SRP-4H	4687-14	CTM-14X2SRP-5H	2087-14	CTM-14X2SRB-4H	4693-14	CTM-14X2SRB-5H	2093-14
CTM-16X2SRP-4H	4687-16	CTM-16X2SRP-5H	2087-16	CTM-16X2SRB-4H	4693-16	CTM-16X2SRB-4H	2093-16
CTM-18X2.5SRP-4H	4687-18	CTM-18X2.5SRP-5H	2087-18	CTM-18X2.5SRB-4H	4693-18	CTM-18X2.5SRB-5H	2093-18
CTM-20X2.5SRP-4H	4687-20	CTM-20X2.5SRP-5H	2087-20	CTM-20X2.5SRB-4H	4693-20	CTM-20X2.5SRB-5H	2093-20
CTM-22X2.5SRP-4H	4687-22	CTM-22X2.5SRP-5H	2087-22	CTM-22X2.5SRB-4H	4693-22	CTM-22X2.5SRB-5H	2093-22
CTM-24X3SRP-4H	4687-24	CTM-24X3SRP-5H	2087-24	CTM-24X3SRB-4H	4693-24	CTM-24X3SRB-5H	2093-24
Metric Fine							
CTM-8X1SRP-4H	5484-8	CTM-8X1SRP-5H	5484-8	CTM-8X1SRB-4H	5486-8	CTM-8X1SRB-5H	4986-8
CTM-10X1SRP-4H	5484-10	CTM-10X1SRP-5H	5484-10	CTM-10X1SRB-4H	5486-10	CTM-10X1SRB-5H	4986-10
CTM-10X1.25SRP-4H	5444-10	CTM-10X1.25SRP-5H	5444-10	CTM-10X1.25SRB-4H	5445-10	CTM-10X1.25SRB-5H	4945-10
CTM-12X1.25SRP-4H	5444-12	CTM-12X1.25SRP-5H	5444-12	CTM-12X1.25SRB-4H	5445-12	CTM-12X1.25SRB-5H	4945-12
CTM-12X1.5SRP-4H	5476-12	CTM-12X1.5SRP-5H	5476-12	CTM-12X1.5SRB-4H	5477-12	CTM-12X1.5SRB-5H	4977-12
CTM-14X1.5SRP-4H	5476-14	CTM-14X1.5SRP-5H	5476-14	CTM-14X1.5SRB-4H	5477-14	CTM-14X1.5SRB-5H	4977-14
CTM-16X1.5SRP-4H	5476-16	CTM-16X1.5SRP-5H	5476-16	CTM-16X1.5SRB-4H	5477-16	CTM-16X1.5SRB-5H	4977-16
CTM-18X1.5SRP-4H	5476-18	CTM-18X1.5SRP-5H	5476-18	CTM-18X1.5SRB-4H	5477-18	CTM-18X1.5SRB-5H	4977-18
CTM-20X1.5SRP-4H	5476-20	CTM-20X1.5SRP-5H	5476-20	CTM-20X1.5SRB-4H	5477-20	CTM-20X1.5SRB-5H	4977-20
CTM-22X1.5SRP-4H	5476-22	CTM-22X1.5SRP-5H	5476-22	CTM-22X1.5SRB-4H	5477-22	CTM-22X1.5SRB-5H	4977-22
CTM-18X2SRP-4H	5490-18	CTM-18X2SRP-5H	5490-18	CTM-18X2SRB-4H	5492-18	CTM-18X2SRB-5H	4992-18
CTM-20X2SRP-4H	5490-20	CTM-20X2SRP-5H	5490-20	CTM-20X2SRB-4H	5492-20	CTM-20X2SRB-5H	4992-20
CTM-22X2SRP-4H	5490-22	CTM-22X2SRP-5H	5490-22	CTM-22X2SRB-4H	5492-22	CTM-22X2SRB-5H	4992-22
CTM-24X2SRP-4H	5490-24	CTM-24X2SRP-5H	5490-24	CTM-24X2SRB-4H	5492-24	CTM-24X2SRB-5H	4992-24

Cross References:

For your convenience the cross reference table below includes the new KATO part number, the superseded (old) KATO part number, and the HeliCoil part number where applicable.

KATO Part Number	HeliCoil Part Number	KATO Part Number	HeliCoil Part Number	KATO Part Number	HeliCoil Part Number	KATO Part Number	HeliCoil Part Number
4H Spiral Point Plug		**5H Spiral Point Plug**		**4H Spiral Flute Bottoming**		**5H Spiral Flute Bottoming**	
Metric Coarse							
CTM-2X.4SPP-4H	4863-2	CTM-2X.4SPP-5H	4763-2	CTM-2.2X.45SFB-4H	5081-2	CTM-2.2X.45SFB-5H	4681-2
CTM-2.2X.45SPP-4H	4863-2.2	CTM-2.2X.45SPP-5H	4763-2.2	CTM-2.2X.45SFB-4H	5081-2.2	CTM-2.2X.45SFB-5H	4681-2.2
CTM-2.5X.45SPP-4H	4863-2.5	CTM-2.5X.45SPP-5H	4763-2.5	CTM-2.5X.45SFB-4H	5081-2.5	CTM-2.5X.45SFB-5H	4681-2.5
CTM-3X.5SPP-4H	4863-3	CTM-3X.5SPP-5H	4763-3	CTM-3X.5SFB-4H	5081-3	CTM-3X.5SFB-5H	4681-3
CTM-3.5X.6SPP-4H	4863-3.5	CTM-3.5X.6SPP-5H	4763-3.5	CTM-3.5X.6SFB-4H	5081-3.5	CTM-3.5X.6SFB-5H	4681-3.5
CTM-4X.7SPP-4H	4863-4	CTM-4X.7SPP-5H	4763-4	CTM-4X.7SFB-4H	5081-4	CTM-4X.7SFB-5H	4681-4
CTM-5X.8SPP-4H	4863-5	CTM-5X.8SPP-5H	4763-5	CTM-5X.8SFB-4H	5081-5	CTM-5X.8SFB-5H	4681-5
CTM-6X1SPP-4H	4863-6	CTM-6X1SPP-5H	4763-6	CTM-6X1SFB-4H	5081-6	CTM-6X1SFB-5H	4681-6
CTM-7X1SPP-4H	4863-7	CTM-7X1SPP-5H	4763-7	CTM-7X1SFB-4H	5081-7	CTM-7X1SFB -5H	4681-7
CTM-8X1.25SPP-4H	4863-8	CTM-8X1.25SPP-5H	4763-8	CTM-8X1.25SFB-4H	5081-8	CTM-8X1.25SFB-5H	4681-8
CTM-10X1.5SPP-4H	4863-10	CTM-10X1.5SPP-5H	4763-10	CTM-10X1.5SFB-4H	5081-10	CTM-10X1.5SFB-5H	4681-10
CTM-12X1.75SPP-4H	4863-12	CTM-12X1.75SPP-5H	4763-12	CTM-12X1.75SFB-4H	5081-12	CTM-12X1.75SFB-5H	4681-12
Metric Fine							
CTM-8X1SPP-4H	4864-8	CTM-8X1SPP-5H	4764-8	CTM-8X1SFB-4H	5066-8	CTM-8X1SFB-5H	4666-8
CTM-10X1SPP-4H	4864-10	CTM-10X1SPP-5H	4764-10	CTM-10X1SFB-4H	5066-10	CTM-10X1SFB-5H	4666-10
CTM-10X1.25SPP-4H	4865-10	CTM-10X1.25SPP-5H	4765-10	CTM-10X1.25SFB-4H	5067-10	CTM-10X1.25SFB-5H	4667-10
CTM-12X1.25SPP-4H	4865-12	CTM-12X1.25SPP-5H	4765-12	CTM-12X1.25SFB-4H	5067-12	CTM-12X1.25SFB-5H	4667-12
CTM-12X1.5SPP-4H	4866-12	CTM-12X1.5SPP-5H	4766-12	CTM-12X1.5SFB-4H	5068-12	CTM-12X1.5SFB-5H	4668-12

KATO CoilThread Gages (STI)

CG Series

Description:

KATO CoilThread STI (Screw Thread Insert) Thread Plug Gages are designed to check the accuracy of the internal thread of an STI tapped hole. Gaging the tapped hole prior to installation of the insert is critical to ensure the accuracy of the finished thread. If the tapped hole gauges correctly the finished thread will also be accurate once the insert is properly installed. It is not necessary to gage the installed insert. In fact, it is not possible to gage a locking type insert because of the locking coil.

KATO STI Gage with
GO & HI (NO GO) Members

KATO offers two types of STI Thread Plug Gages (for unified sizes):

- Working Gages - Recommended for production use since their greater tolerance allows for more wear.
- Reference Gages - Reference gages have pitch diameters at or very close to the basic size and are to be used as master gages.

KATO STI Gages include a “GO” and “HI” (NO GO) member. The Working gage GO member has a 0.0002 wear allowance on the pitch diameter. The GO member checks the basic pitch diameter, major diameter minimum and lead. The HI member checks the maximum pitch diameter. *The minor diameter must be checked separately with a graduated pin set.*

Features and Benefits:

- Available in 3B and 2B (Unified) or 4H and 5H (Metric) Class of Fit.
- Available for a full range of Unified and Metric thread sizes.
- Lower cost than similar gages from competitors.

KATO CoilThread Gages (STI)

CG Series

Nominal Thread Size	Working Gages		Reference Gages	
	3B	2B	3B	2B
Unified Coarse - UNC				
2-56	CGC-02X-3B	CGC-02X-2B	CGC-02W-3B	CGC-02W-2B
3-48	CGC-03X-3B	CGC-03X-2B	CGC-03W-3B	CGC-03W-2B
4-40	CGC-04X-3B	CGC-04X-2B	CGC-04W-3B	CGC-04W-2B
5-40	CGC-05X-3B	CGC-05X-2B	CGC-05W-3B	CGC-05W-2B
6-32	CGC-06X-3B	CGC-06X-2B	CGC-06W-3B	CGC-06W-2B
8-32	CGC-2X-3B	CGC-2X-2B	CGC-2W-3B	CGC-2W-2B
10-24	CGC-3X-3B	CGC-3X-2B	CGC-3W-3B	CGC-3W-2B
12-24	CGC-1X-3B	CGC-1X-2B	CGC-1W-3B	CGC-1W-2B
1/4-20	CGC-4X-3B	CGC-4X-2B	CGC-4W-3B	CGC-4W-2B
5/16-18	CGC-5X-3B	CGC-5X-2B	CGC-5W-3B	CGC-5W-2B
3/8-16	CGC-6X-3B	CGC-6X-2B	CGC-6W-3B	CGC-6W-2B
7/16-14	CGC-7X-3B	CGC-7X-2B	CGC-7W-3B	CGC-7W-2B
1/2-13	CGC-8X-3B	CGC-8X-2B	CGC-8W-3B	CGC-8W-2B
9/16-12	CGC-9X-3B	CGC-8X-2B	CGC-8W-3B	CGC-8W-2B
5/8-11	CGC-10X-3B	CGC-10X-2B	CGC-10W-3B	CGC-10W-2B
3/4-10	CGC-12X-3B	CGC-12X-2B	CGC-12W-3B	CGC-12W-2B
7/8-9	CGC-14X-3B	CGC-14X-2B	CGC-14W-3B	CGC-14W-2B
1-8	CGC-16X-3B	CGC-16X-2B	CGC-16W-3B	CGC-16W-2B
Unified Fine - UNF				
3-56	CGF-03X-3B	CGF-03X-2B	CGF-03W-3B	CGF-03W-2B
4-48	CGF-04X-3B	CGF-04X-2B	CGF-04W-3B	CGF-04W-2B
6-40	CGF-06X-3B	CGF-06X-2B	CGF-06W-3B	CGF-06W-2B
8-36	CGF-2X-3B	CGF-2X-2B	CGF-2W-3B	CGF-2W-2B
10-32	CGF-3X-3B	CGF-3X-2B	CGF-3W-3B	CGF-3W-2B
1/4-28	CGF-4X-3B	CGF-4X-2B	CGF-4W-3B	CGF-4W-2B
5/16-24	CGF-5X-3B	CGF-5X-2B	CGF-5W-3B	CGF-5W-2B
3/8-24	CGF-6X-3B	CGF-6X-2B	CGF-6W-3B	CGF-6W-2B
7/16-20	CGF-7X-3B	CGF-7X-2B	CGF-7W-3B	CGF-7W-2B
1/2-20	CGF-8X-3B	CGF-8X-2B	CGF-8W-3B	CGF-8W-2B
9/16-18	CGF-9X-3B	CGF-8X-2B	CGF-8W-3B	CGF-8W-2B
5/8-18	CGF-10X-3B	CGF-10X-2B	CGF-10W-3B	CGF-10W-2B
3/4-16	CGF-12X-3B	CGF-12X-2B	CGF-12W-3B	CGF-12W-2B
7/8-14	CGF-14X-3B	CGF-14X-2B	CGF-14W-3B	CGF-14W-2B
1-12	CGF-16X-3B	CGF-16X-2B	CGF-16W-3B	CGF-16W-2B

Nominal Thread Size	Working Gages	
	4H	5H
Metric Coarse		
M2X0.4	CGM-2X0.4-4H	CGM-2X0.4-5H
M2.2X0.45	CGM-2.2X0.45-4H	CGM-2.2X0.45-5H
M2.5X0.45	CGM-2.5X0.45-4H	CGM-2.5X0.45-5H
M3X0.5	CGM-3X0.5-4H	CGM-3X0.5-5H
M3.5X0.6	CGM-3.5X0.6-4H	CGM-3.5X0.6-5H
M4X0.7	CGM-4X0.7-4H	CGM-4X0.7-5H
M5X0.8	CGM-5X0.8-4H	CGM-5X0.8-5H
M6X1	CGM-6X1-4H	CGM-6X1-5H
M7X1	CGM-7X1-4H	CGM-7X1-5H
M8X1.25	CGM-8X1.25-4H	CGM-8X1.25-5H
M10X1.5	CGM-10X1.5-4H	CGM-10X1.5-5H
M12X1.75	CGM-12X1.75-4H	CGM-12X1.75-5H
M14X2	CGM-14X2-4H	CGM-14X2-5H
M16X2	CGM-16X2-4H	CGM-16X2-5H
M18X2.5	CGM-18X2.5-4H	CGM-18X2.5-5H
M20X2.5	CGM-20X2.5-4H	CGM-20X2.5-5H
M22X2.5	CGM-22X2.5-4H	CGM-22X2.5-5H
M24X3	CGM-24X3-4H	CGM-24X3-5H
Metric Fine		
M8X1	CGM-8X1-4H	CGM-8X1-5H
M10X1	CGM-10X1-4H	CGM-10X1-5H
M10X1.25	CGM-10X1.25-4H	CGM-10X1.25-5H
M12X1.25	CGM-12X1.25-4H	CGM-12X1.25-5H
M12X1.5	CGM-12X1.5-4H	CGM-12X1.5-5H
M14X1.5	CGM-14X1.5-4H	CGM-14X1.5-5H
M16X1.5	CGM-16X1.5-4H	CGM-16X1.5-5H
M18X1.5	CGM-18X1.5-4H	CGM-18X1.5-5H
M20X1.5	CGM-20X1.5-4H	CGM-20X1.5-5H
M22X1.5	CGM-22X1.5-4H	CGM-22X1.5-5H
M18X2	CGM-18X2-4H	CGM-18X2-5H
M20X2	CGM-20X2-4H	CGM-20X2-5H
M22X2	CGM-22X2-4H	CGM-22X2-5H
M24X2	CGM-24X2-4H	CGM-24X2-5H

Cross References:

For your convenience the cross reference table below includes the new KATO part number, the superseded (old) KATO part number, and the HeliCoil part number where applicable.

KATO Part Number	HeliCoil Part Number	KATO Part Number	HeliCoil Part Number	KATO Part Number	HeliCoil Part Number	KATO Part Number	HeliCoil Part Number
3B Working		2B Working		3B Reference		2B Reference	
Unified Coarse							
CGC-02X-3B	3688-02	CGC-02X-2B	1442-02	CGC-02W-3B	1688-02	CGC-02W-2B	1440-02
CGC-03X-3B	3688-03	CGC-03X-2B	1442-03	CGC-03W-3B	1688-03	CGC-03W-2B	1440-03
CGC-04X-3B	3688-04	CGC-04X-2B	1442-04	CGC-04W-3B	1688-04	CGC-04W-2B	1440-04
CGC-05X-3B	3688-05	CGC-05X-2B	1442-05	CGC-05W-3B	1688-05	CGC-05W-2B	1440-05
CGC-06X-3B	3688-06	CGC-06X-2B	1442-06	CGC-06W-3B	1688-06	CGC-06W-2B	1440-06
CGC-2X-3B	3688-2	CGC-2X-2B	1442-2	CGC-2W-3B	1688-2	CGC-2W-2B	1440-2
CGC-3X-3B	3688-3	CGC-3X-2B	1442-3	CGC-3W-3B	1688-3	CGC-3W-2B	1440-3
CGC-1X-3B	3688-1	CGC-1X-2B	1442-1	CGC-1W-3B	1688-1	CGC-1W-2B	1440-1
CGC-4X-3B	3688-4	CGC-4X-2B	1442-4	CGC-4W-3B	1688-4	CGC-4W-2B	1440-4
CGC-5X-3B	3688-5	CGC-5X-2B	1442-5	CGC-5W-3B	1688-5	CGC-5W-2B	1440-5
CGC-6X-3B	3688-6	CGC-6X-2B	1442-6	CGC-6W-3B	1688-6	CGC-6W-2B	1440-6
CGC-7X-3B	3688-7	CGC-7X-2B	1442-7	CGC-7W-3B	1688-7	CGC-7W-2B	1440-7
CGC-8X-3B	3688-8	CGC-8X-2B	1442-8	CGC-8W-3B	1688-8	CGC-8W-2B	1440-8
CGC-9X-3B	3688-9	CGC-8X-2B	1442-9	CGC-8W-3B	1688-9	CGC-8W-2B	1440-9
CGC-10X-3B	3688-10	CGC-10X-2B	1442-10	CGC-10W-3B	1688-10	CGC-10W-2B	1440-10
CGC-12X-3B	3688-12	CGC-12X-2B	1442-12	CGC-12W-3B	1688-12	CGC-12W-2B	1440-12
CGC-14X-3B	3688-14	CGC-14X-2B	1442-14	CGC-14W-3B	1688-14	CGC-14W-2B	1440-14
CGC-16X-3B	3688-16	CGC-16X-2B	1442-16	CGC-16W-3B	1688-16	CGC-16W-2B	1440-16
CGC-18X-3B	3688-18	CGC-18X-2B	1442-18	CGC-18W-3B	1688-18	CGC-18W-2B	1440-18
CGC-20X-3B	3688-20	CGC-20X-2B	1442-20	CGC-20W-3B	1688-20	CGC-20W-2B	1440-20
CGC-22X-3B	3688-22	CGC-22X-2B	1442-22	CGC-22W-3B	1688-22	CGC-22W-2B	1440-22
CGC-24X-3B	3688-24	CGC-24X-2B	1442-24	CGC-24W-3B	1688-24	CGC-24W-2B	1440-24
Unified Fine							
CGF-03X-3B	3694-03	CGF-03X-2B	1443-03	CGF-03W-3B	1694-03	CGF-03W-2B	1441-03
CGF-04X-3B	3694-04	CGF-04X-2B	1443-04	CGF-04W-3B	1694-04	CGF-04W-2B	1441-04
CGF-06X-3B	3694-06	CGF-06X-2B	1443-06	CGF-06W-3B	1694-06	CGF-06W-2B	1441-06
CGF-2X-3B	3694-2	CGF-2X-2B	1443-2	CGF-2W-3B	1694-2	CGF-2W-2B	1441-2
CGF-3X-3B	3694-3	CGF-3X-2B	1443-3	CGF-3W-3B	1694-3	CGF-3W-2B	1441-3
CGF-4X-3B	3694-4	CGF-4X-2B	1443-4	CGF-4W-3B	1694-4	CGF-4W-2B	1441-4
CGF-5X-3B	3694-5	CGF-5X-2B	1443-5	CGF-5W-3B	1694-5	CGF-5W-2B	1441-5
CGF-6X-3B	3694-6	CGF-6X-2B	1443-6	CGF-6W-3B	1694-6	CGF-6W-2B	1441-6
CGF-7X-3B	3694-7	CGF-7X-2B	1443-7	CGF-7W-3B	1694-7	CGF-7W-2B	1441-7
CGF-8X-3B	3694-8	CGF-8X-2B	1443-8	CGF-8W-3B	1694-8	CGF-8W-2B	1441-8
CGF-9X-3B	3694-9	CGF-8X-2B	1443-9	CGF-8W-3B	1694-9	CGF-8W-2B	1441-9
CGF-10X-3B	3694-10	CGF-10X-2B	1443-10	CGF-10W-3B	1694-10	CGF-10W-2B	1441-10
CGF-12X-3B	3694-12	CGF-12X-2B	1443-12	CGF-12W-3B	1694-12	CGF-12W-2B	1441-12
CGF-14X-3B	3694-14	CGF-14X-2B	1443-14	CGF-14W-3B	1694-14	CGF-14W-2B	1441-14
CGF-16X-3B	3694-16	CGF-16X-2B	1443-16	CGF-16W-3B	1694-16	CGF-16W-2B	1441-16
CGF-18X-3B	3694-18	CGF-18X-2B	1443-18	CGF-18W-3B	1694-18	CGF-18W-2B	1441-18
CGF-20X-3B	3694-20	CGF-20X-2B	1443-20	CGF-20W-3B	1694-20	CGF-20W-2B	1441-20
CGF-22X-3B	3694-22	CGF-22X-2B	1443-22	CGF-22W-3B	1694-22	CGF-22W-2B	1441-22
CGF-24X-3B	3694-24	CGF-24X-2B	1443-24	CGF-24W-3B	1694-24	CGF-24W-2B	1441-24

Cross References:

For your convenience the cross reference table below includes the new KATO part number, the superseded (old) KATO part number, and the HeliCoil part number where applicable.

KATO Part Number	HeliCoil Part Number	KATO Part Number	HeliCoil Part Number
4H Working		**5H Working**	
Metric Coarse			
CGM-2X0.4-4H	4624-2	CGM-2X0.4-5H	1324-2
CGM-2.2X0.45-4H	4624-2.2	CGM-2.2X0.45-5H	1324-2.2
CGM-2.5X0.45-4H	4624-2.5	CGM-2.5X0.45-5H	1324-2.5
CGM-3X0.5-4H	4624-3	CGM-3X0.5-5H	1324-3
CGM-3.5X0.6-4H	4624-3.5	CGM-3.5X0.6-5H	1324-3.5
CGM-4X0.7-4H	4624-4	CGM-4X0.7-5H	1324-4
CGM-5X0.8-4H	4624-5	CGM-5X0.8-5H	1324-5
CGM-6X1-4H	4624-6	CGM-6X1-5H	1324-6
CGM-7X1-4H	4624-7	CGM-7X1-5H	1324-7
CGM-8X1.25-4H	4624-8	CGM-8X1.25-5H	1324-8
CGM-10X1.5-4H	4624-10	CGM-10X1.5-5H	1324-10
CGM-12X1.75-4H	4624-12	CGM-12X1.75-5H	1324-12
CGM-14X2-4H	4624-14	CGM-14X2-5H	1324-14
CGM-16X2-4H	4624-16	CGM-16X2-5H	1324-16
CGM-18X2.5-4H	4624-18	CGM-18X2.5-5H	1324-18
CGM-20X2.5-4H	4624-20	CGM-20X2.5-5H	1324-20
CGM-22X2.5-4H	4624-22	CGM-22X2.5-5H	1324-22
CGM-24X3-4H	4624-24	CGM-24X3-5H	1324-24
Metric Fine			
CGM-8X1-4H	5416-8	CGM-8X1-5H	4916-8
CGM-10X1-4H	5416-10	CGM-10X1-5H	4916-10
CGM-10X1.25-4H	5424-10	CGM-10X1.25-5H	4924-10
CGM-12X1.25-4H	5424-12	CGM-12X1.25-5H	4924-12
CGM-12X1.5-4H	5480-12	CGM-12X1.5-5H	4980-12
CGM-14X1.5-4H	5480-14	CGM-14X1.5-5H	4980-14
CGM-16X1.5-4H	5480-16	CGM-16X1.5-5H	4980-16
CGM-18X1.5-4H	5480-18	CGM-18X1.5-5H	4980-18
CGM-20X1.5-4H	5480-20	CGM-20X1.5-5H	4980-20
CGM-22X1.5-4H	5480-22	CGM-22X1.5-5H	4980-22
CGM-18X2-4H	5418-18	CGM-18X2-5H	4918-18
CGM-20X2-4H	5418-20	CGM-20X2-5H	4918-20
CGM-22X2-4H	5418-22	CGM-22X2-5H	4918-22
CGM-24X2-4H	5418-24	CGM-24X2-5H	4918-24