

KEYLOCKING INSERT SYSTEM

KEFSERT



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Kefsert solid keylocking inserts

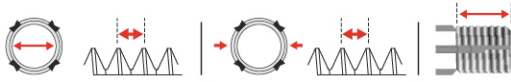
Provide high resistance to torque-out and pull out

Keys drive into the parent material for a positive, mechanical lock



鏡富企業有限公司
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www.efulls.com.tw

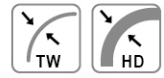




Insert Material:
Stainless Steel



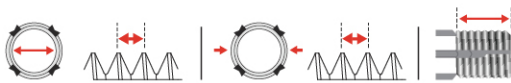
Insert Material:
Carbon Steel



mm x mm	mm x mm	mm	kefsert #	kefsert #	kefsert #
MC	THIN WALL		Stainless Steel	Carbon Steel	TOOL
5.00 x 0.80	8.00 x 12.5	8.0	EF20-05TW.40	EF20-05TW.16	EF3600 - M5TW
6.00 x 1.00	10.00 x 1.25	10.0	EF20-06TW.40	EF20-06TW.16	EF3600 - M6TW
8.00 x 1.25	12.00 x 1.25	12.0	EF20-08TW.40	EF20-08TW.16	EF3600 - M8TW
10.00 x 1.50	14.00 x 1.50	14.0	EF20-10TW.40	EF20-10TW.16	EF3600 - M10TW
12.00 x 1.75	16.00 x 1.50	16.0	EF20-12TW.40	EF20-12TW.16	EF3600 - M12TW

mm x mm	mm x mm	mm	kefsert #	kefsert #	kefsert #
MF	THIN WALL		Stainless Steel	Carbon Steel	TOOL
8.00 x 1.00	12.00 x 1.25	12.0	EF21-08TW.40	EF21-08TW.16	EF3601 - M8TW
10.00 x 1.25	14.00 x 1.50	14.0	EF21-10TW.40	EF21-10TW.16	EF3601 - M10TW
12.00 x 1.25	16.00 x 1.50	16.0	EF21-12TW.40	EF21-12TW.16	EF3601 - M12TW

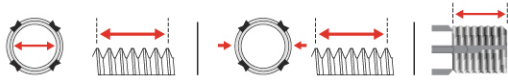
mm x mm	mm x mm	mm	kefsert #	kefsert #	kefsert #
MC	HEAVY DUTY		Stainless Steel	Carbon Steel	TOOL
4.00 x 0.70	8.00 x 1.25	8.0	EF20-04HD.40	EF20-04HD.16	EF3600-04HD
5.00 x 0.80	10.00 x 1.25	10.0	EF20-05HD.40	EF20-05HD.16	EF3600-05HD
6.00 x 1.00	12.00 x 1.25	12.0	EF20-06HD.40	EF20-06HD.16	EF3600-06HD
8.00 x 1.25	14.00 x 1.50	14.0	EF20-08HD.40	EF20-08HD.16	EF3600-08HD
10.00 x 1.50	16.00 x 1.50	16.0	EF20-10HD.40	EF20-10HD.16	EF3600-10HD
12.00 x 1.75	18.00 x 1.50	18.0	EF20-12HD.40	EF20-12HD.16	EF3600-12HD
14.00 x 2.00	20.00 x 1.50	20.0	EF20-14HD.40	EF20-14HD.16	EF3600-14HD
16.00 x 2.00	22.00 x 1.50	22.0	EF20-16HD.40	EF20-16HD.16	EF3600-16HD
20.00 x 2.50	30.00 x 2.00	30.0	EF20-20HD.40	EF20-20HD.16	EF3600-20HD
24.00 x 3.00	33.00 x 2.00	33.0	EF20-24HD.40	EF20-24HD.16	EF3600-24HD



mm x mm	mm x mm	mm	kefsert #	kefsert #	kefsert #
MF	HEAVY DUTY		Stainless Steel	Carbon Steel	TOOL
8.00 x 1.00	14.00 x 1.5	14.0	EF21-08HD.40	EF21-08HD.16	EF3601-08HD
10.00 x 1.25	16.00 x 1.5	16.0	EF21-10HD.40	EF21-10HD.16	EF3601-10HD
12.00 x 1.25	18.00 x 1.5	18.0	EF21-12HD.40	EF21-12HD.16	EF3601-12HD
14.00 x 1.50	20.00 x 1.5	20.0	EF21-14HD.40	EF21-14HD.16	EF3601-14HD
16.00 x 1.50	22.00 x 1.5	22.0	EF21-16HD.40	EF21-16HD.16	EF3601-16HD
18.00 x 1.50	24.00 x 1.5	24.0	EF21-18HD.40	EF21-18HD.16	EF3601-18HD
20.00 x 1.50	30.00 x 2.0	30.0	EF21-20HD.40	EF21-20HD.16	EF3601-20HD
22.00 x 1.50	32.00 x 2.0	32.0	EF21-22HD.40	EF21-22HD.16	EF3601-22HD
24.00 x 2.00	33.00 x 2.0	33.0	EF21-24HD.40	EF21-24HD.16	EF3601-24HD

THIN WALL & HEAVY DUTY

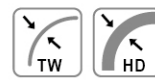
Insert Material	Carbon Steel - C1215 or equivalent Stainless Steel - 303 or equivalent	Keys	insert with internal thread of 5/16" (M8) or larger have 4 locking keys. Smaller sizes have 2 keys.
Keys	302 CRES or equivalent	Tap Drill Hole Tolerance - Inch	0.234 - 0.500 = +0.004 / -0.001 over 0.500 = +0.005 / -0.001
Finish	Carbon Steel - Zinc Phosphate; Stainless Steel - Passivated	Tap Drill Hole Tolerance - Metric	6.90 - 10.80 = +0.100 / -0.025 over 12.80 = +0.130 / -0.025
Tolerances	±0.010 inch or ±0.25mm unless specified otherwise		



Insert Material:
Stainless Steel

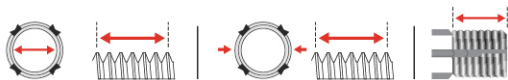


Insert Material:
Carbon Steel



inch x tpi	inch x tpi	inch	kefsert #	kefsert #	kefsert #
UNC	THIN WALL		Stainless Steel	Carbon Steel	TOOL
10 x 24	5/16 x 18	0.31	EF32 - 10G TW.40	EF32 - 10G TW.16	EF3600 - 10G TW
1/4 x 20	3/8 x 16	0.37	EF32 - 1/4 TW.40	EF32 - 1/4 TW.16	EF3600 - 1/4 TW
5/16 x 18	7/16 x 14	0.43	EF32 - 5/16 TW.40	EF32 - 5/16 TW.16	EF3600 - 5/16 TW
3/8 x 16	1/2 x 13	0.50	EF32 - 3/8 TW.40	EF32 - 3/8 TW.16	EF3600 - 3/8 TW
7/16 x 14	9/16 x 12	0.56	EF32 - 7/16 TW.40	EF32 - 7/16 TW.16	EF3600 - 7/16 TW
1/2 x 13	5/8 x 11	0.62	EF32 - 1/2 TW.40	EF32 - 1/2 TW.16	EF3600 - 1/2 TW

inch x tpi	inch x tpi	inch	kefsert #	kefsert #	kefsert #
UNF	THIN WALL		Stainless Steel	Carbon Steel	TOOL
10 x 32	5/16 x 18	0.31	EF34 - 10G TW.40	EF34 - 10G TW.16	EF3601 - 10G TW
1/4 x 28	3/8 x 16	0.37	EF34 - 1/4 TW.40	EF34 - 1/4 TW.16	EF3601 - 1/4 TW
5/16 x 24	7/16 x 14	0.43	EF34 - 5/16 TW.40	EF34 - 5/16 TW.16	EF3601 - 5/16 TW
3/8 x 24	1/2 x 13	0.50	EF34 - 3/8 TW.40	EF34 - 3/8 TW.16	EF3601 - 3/8 TW
7/16 x 20	9/16 x 12	0.56	EF34 - 7/16 TW.40	EF34 - 7/16 TW.16	EF3601 - 7/16 TW
1/2 x 20	5/8 x 11	0.60	EF34 - 1/2 TW.40	EF34 - 1/2 TW.16	EF3601 - 1/2 TW



inch x tpi	inch x tpi	inch	kefsert #	kefsert #	kefsert #
UNC	HEAVY DUTY		Stainless Steel	Carbon Steel	TOOL
8 x 32	5/16 x 18	0.31	EF32 - 8G HD.40	EF32 - 8G HD.16	EF3600 - 8G HD
10 x 24	3/8 x 16	0.31	EF32 - 10G HD.40	EF32 - 10G HD.16	EF3600 - 10G HD
1/4 x 20	7/16 x 14	0.37	EF32 - 1/4 HD.40	EF32 - 1/4 HD.16	EF3600 - 1/4 HD
5/16 x 18	1/2 x 13	0.43	EF32 - 5/16 HD.40	EF32 - 5/16 HD.16	EF3600 - 5/16 HD
3/8 x 16	9/16 x 12	0.50	EF32 - 3/8 HD.40	EF32 - 3/8 HD.16	EF3600 - 3/8 HD
7/16 x 14	5/8 x 11	0.62	EF32 - 7/16 HD.40	EF32 - 7/16 HD.16	EF3600 - 7/16 HD
1/2 x 13	3/4 x 16	0.62	EF32 - 1/2 HD.40	EF32 - 1/2 HD.16	EF3600 - 1/2 HD
9/16 x 12	3/4 x 16	0.81	EF32 - 9/16 HD.40	EF32 - 9/16 HD.16	EF3600 - 9/16 HD
5/8 x 11	7/8 x 14	0.87	EF32 - 5/8 HD.40	EF32 - 5/8 HD.16	EF3600 - 5/8 HD
3/4 x 10	1-1/8 x 12	1.12	EF32 - 3/4 HD.40	EF32 - 3/4 HD.16	EF3600 - 3/4 HD
7/8 x 9	1-1/4 x 12	1.25	EF32 - 7/8 HD.40	EF32 - 7/8 HD.16	EF3600 - 7/8 HD
1 x 8	1-3/8 x 12	1.37	EF32 - 1 HD.40	EF32 - 1 HD.16	EF3600 - 1 HD

inch x tpi	inch x tpi	inch	kefsert #	kefsert #	kefsert #
UNF	HEAVY DUTY		Stainless Steel	Carbon Steel	TOOL
10 x 32	3/8 x 16	0.31	EF34 - 10G HD.40	EF34 - 10G HD.16	EF3601 - 10G HD
1/4 x 28	7/16 x 14	0.37	EF34 - 1/4 HD.40	EF34 - 1/4 HD.16	EF3601 - 1/4 HD
5/16 x 24	1/2 x 13	0.43	EF34 - 5/16 HD.40	EF34 - 5/16 HD.16	EF3601 - 5/16 HD
3/8 x 24	9/16 x 12	0.50	EF34 - 3/8 HD.40	EF34 - 3/8 HD.16	EF3601 - 3/8 HD
7/16 x 20	5/8 x 11	0.62	EF34 - 7/16 HD.40	EF34 - 7/16 HD.16	EF3601 - 7/16 HD
1/2 x 20	3/4 x 16	0.62	EF34 - 1/2 HD.40	EF34 - 1/2 HD.16	EF3601 - 1/2 HD
9/16 x 18	3/4 x 16	0.81	EF34 - 9/16 HD.40	EF34 - 9/16 HD.16	EF3601 - 9/16 HD
5/8 x 18	7/8 x 14	0.87	EF34 - 5/8 HD.40	EF34 - 5/8 HD.16	EF3601 - 5/8 HD
3/4 x 16	1-1/8 x 12	1.12	EF34 - 3/4 HD.40	EF34 - 3/4 HD.16	EF3601 - 3/4 HD
7/8 x 14	1-1/4 x 12	1.25	EF34 - 7/8 HD.40	EF34 - 7/8 HD.16	EF3601 - 7/8 HD
1 x 12	1-3/8 x 12	1.37	EF34 - 1 HD.40	EF34 - 1 HD.16	EF3601 - 1 HD
1 x 14	1-3/8 x 12	1.37	EF35 - 1 HD.40	EF35 - 1 HD.16	EF3605 - 1 HD

Pneumatic Installation Tools



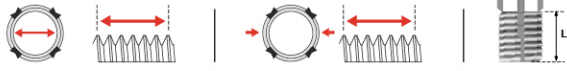
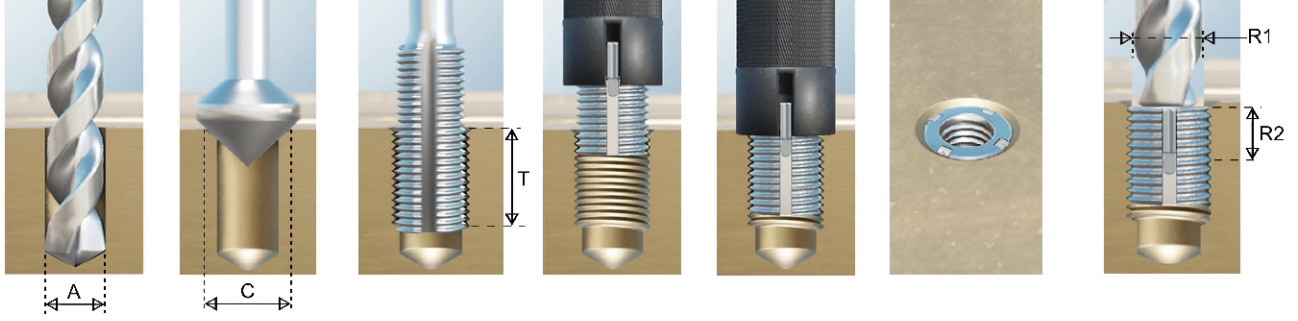
mm	Kefsert#	Front end assemblies		Mandrel	Nozzle	
MC / MF		THIN WALL	HEAVY DUTY	THIN WALL / HEAVY DUTY	THIN WALL	HEAVY DUTY
4.00	KEF3600	KEF20/21-04TW-MIP	KEF20/21-04HD-MIP	KEF20/21-04TT-MIPM	KEF3600-04TW-MIPN	KEF3600-04HD-MIPN
5.00		KEF20/21-05TW-MIP	KEF20/21-05HD-MIP	KEF20/21-05TT-MIPM	KEF3600-05TW-MIPN	KEF3600-05HD-MIPN
6.00		KEF20/21-06TW-MIP	KEF20/21-06HD-MIP	KEF20/21-06TT-MIPM	KEF3600-06TW-MIPN	KEF3600-06HD-MIPN
8.00		KEF20/21-08TW-MIP	KEF20/21-08HD-MIP	KEF20/21-08TT-MIPM	KEF3600-08TW-MIPN	KEF3600-08HD-MIPN
10.00		KEF20/21-10TW-MIP	KEF20/21-10HD-MIP	KEF20/21-10TT-MIPM	KEF3600-10TW-MIPN	KEF3600-10HD-MIPN
12.00		KEF20/21-12TW-MIP	KEF20/21-12HD-MIP	KEF20/21-12TT-MIPM	KEF3600-12TW-MIPN	KEF3600-12HD-MIPN
14.00		KEF20/21-14TW-MIP	KEF20/21-14HD-MIP	KEF20/21-14TT-MIPM	KEF3600-14TW-MIPN	KEF3600-14HD-MIPN
16.00		KEF20/21-16TW-MIP	KEF20/21-16HD-MIP	KEF20/21-16TT-MIPM	KEF3600-16TW-MIPN	KEF3600-16HD-MIPN
18.00		KEF20/21-18TW-MIP	KEF20/21-18HD-MIP	KEF20/21-18TT-MIPM	KEF3600-18TW-MIPN	KEF3600-18HD-MIPN
20.00		KEF20/21-20TW-MIP	KEF20/21-20HD-MIP	KEF20/21-20TT-MIPM	KEF3600-20TW-MIPN	KEF3600-20HD-MIPN
22.00		KEF20/21-22TW-MIP	KEF20/21-22HD-MIP	KEF20/21-22TT-MIPM	KEF3600-22TW-MIPN	KEF3600-22HD-MIPN
24.00		KEF20/21-24TW-MIP	KEF20/21-24HD-MIP	KEF20/21-24TT-MIPM	KEF3600-24TW-MIPN	KEF3600-24HD-MIPN



inch	Kefsert#	Front end assemblies		Mandrel	Nozzle	
UNC / UNF		THIN WALL	HEAVY DUTY	THIN WALL / HEAVY DUTY	THIN WALL	HEAVY DUTY
8G	KEF3600	-	KEF32/34 - 8G HD-MIP	KEF32/34 - 8G TT-MIPM	-	KEF3600 - 8G HD-MIPN
10G		KEF32/34 - 10G TW-MIP	KEF32/34 - 10G HD-MIP	KEF32/34 - 10G TT-MIPM	KEF3600 - 10G TW-MIPN	KEF3600 - 10G HD-MIPN
1/4		KEF32/34 - 1/4 TW-MIP	KEF32/34 - 1/4 HD-MIP	KEF32/34 - 1/4 TT-MIPM	KEF3600 - 1/4 TW-MIPN	KEF3600 - 1/4 HD-MIPN
5/16		KEF32/34 - 5/16 TW-MIP	KEF32/34 - 5/16 HD-MIP	KEF32/34 - 5/16 TT-MIPM	KEF3600 - 5/16 TW-MIPN	KEF3600 - 5/16 HD-MIPN
3/8		KEF32/34 - 3/8 TW-MIP	KEF32/34 - 3/8 HD-MIP	KEF32/34 - 3/8 TT-MIPM	KEF3600 - 3/8 TW-MIPN	KEF3600 - 3/8 HD-MIPN
7/16		KEF32/34 - 7/16 TW-MIP	KEF32/34 - 7/16 HD-MIP	KEF32/34 - 7/16 TT-MIPM	KEF3600 - 7/16 TW-MIPN	KEF3600 - 7/16 HD-MIPN
1/2		KEF32/34 - 1/2 TW-MIP	KEF32/34 - 1/2 HD-MIP	KEF32/34 - 1/2 TT-MIPM	KEF3600 - 1/2 TW-MIPN	KEF3600 - 1/2 HD-MIPN
9/16		-	KEF32/34 - 9/16 HD-MIP	KEF32/34 - 9/16 TT-MIPM	-	KEF3600 - 9/16 HD-MIPN
5/8		-	KEF32/34 - 5/8 HD-MIP	KEF32/34 - 5/8 TT-MIPM	-	KEF3600 - 5/8 HD-MIPN
11/16		-	-	-	-	-
3/4		-	KEF32/34 - 3/4 HD-MIP	KEF32/34 - 3/4 TT-MIPM	-	KEF3600 - 3/4 HD-MIPN
13/16		-	-	-	-	-
7/8		-	KEF32/34 - 7/8 HD-MIP	KEF32/34 - 7/8 TT-MIPM	-	KEF3600 - 7/8 HD-MIPN
1		-	KEF32/34 - 1 HD-MIP	KEF32/34 - 1 TT-MIPM	-	KEF3600 - 1 HD-MIPN

All Kind Of
Thread Inserts Expert



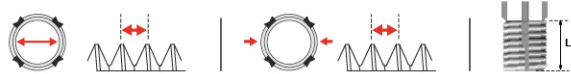


Installation

Remove

Internal Thread Class 2B inch	External Thread Mod. Class 2A inch	L inch	A inch	C inch	Tap Class 2B inch	T Min. inch	R1 inch	R2 inch
THIN WALL								
10G x 24	5/16 x 18	0.31	0.271	0.32	5/16 x 18	0.37	7/32	1/8
10G x 32	5/16 x 18	0.31	0.271	0.32	5/16 x 18	0.37	7/32	1/8
1/4 x 20	3/8 x 16	0.37	0.331	0.38	3/8 x 16	0.43	9/32	3/16
1/4 x 28	3/8 x 16	0.37	0.331	0.38	3/8 x 16	0.43	9/32	3/16
5/16 x 18	7/16 x 14	0.43	0.396	0.44	7/16 x 14	0.50	11/32	3/16
5/16 x 24	7/16 x 14	0.43	0.396	0.44	7/16 x 14	0.50	11/32	3/16
3/8 x 16	1/2 x 13	0.50	29/64	0.51	1/2 x 13	0.56	13/32	3/16
3/8 x 24	1/2 x 13	0.50	29/64	0.51	1/2 x 13	0.56	13/32	3/16
7/16 x 14	9/16 x 12	0.56	33/64	0.57	9/16 x 12	0.62	15/32	3/16
7/14 x 20	9/16 x 12	0.56	33/64	0.57	9/16 x 12	0.62	15/32	3/16
1/2 x 13	5/8 x 11	0.62	37/64	0.63	5/8 x 11	0.68	17/32	3/16
1/2 x 20	5/8 x 11	0.62	37/64	0.63	5/8 x 11	0.68	17/32	3/16

HEAVY DUTY								
8G x 32	5/16 x 18	0.31	0.271	0.32	5/16 x 18	0.37	7/32	1/8
10G x 24	3/8 x 16	0.31	0.331	0.38	3/8 x 16	0.37	9/32	1/8
10G x 32	3/8 x 16	0.31	0.331	0.38	3/8 x 16	0.37	9/32	1/8
1/4 x 20	7/16 x 14	0.37	0.396	0.44	7/16 x 14	0.43	11/32	3/16
1/4 x 28	7/16 x 14	0.37	0.396	0.44	7/16 x 14	0.43	11/32	3/16
5/16 x 18	1/2 x 13	0.43	29/64	0.51	1/2 x 13	0.50	13/32	3/16
5/16 x 24	1/2 x 13	0.43	29/64	0.51	1/2 x 13	0.50	13/32	3/16
3/8 x 16	9/16 x 12	0.50	33/64	0.57	9/16 x 12	0.56	15/32	3/16
3/8 x 24	9/16 x 12	0.50	33/64	0.57	9/16 x 12	0.56	15/32	3/16
7/16 x 14	5/8 x 11	0.62	37/64	0.63	5/8 x 11	0.68	17/32	3/16
7/16 x 20	5/8 x 11	0.62	37/64	0.63	5/8 x 11	0.68	17/32	3/16
1/2 x 13	3/4 x 16	0.62	45/64	0.76	3/4 x 16	0.68	21/32	3/16
1/2 x 20	3/4 x 16	0.62	45/64	0.76	3/4 x 16	0.68	21/32	3/16
9/16 x 12	3/4 x 16	0.81	45/64	0.76	3/4 x 16	0.94	21/32	3/16
9/16 x 18	3/4 x 16	0.81	45/64	0.76	3/4 x 16	0.94	21/32	3/16
5/8 x 11	7/8 x 14	0.87	53/64	0.88	7/8 x 14	1.00	25/32	5/16
5/8 x 18	7/8 x 14	0.87	53/64	0.88	7/8 x 14	1.00	25/32	5/16
3/4 x 10	1-1/8 x 12	1.12	1-1/16	1.14	1-1/8 x 12	1.31	31/32	5/16
3/4 x 16	1-1/8 x 12	1.12	1-1/16	1.14	1-1/8 x 12	1.31	31/32	5/16
7/8 x 9	1-1/4 x 12	1.25	1-3/16	1.27	1-1/4 x 12	1.44	1-3/32	5/16
7/8 x 14	1-1/4 x 12	1.25	1-3/16	1.27	1-1/4 x 12	1.44	1-3/32	5/16
1 x 8	1-3/8 x 12	1.37	1-5/16	1.39	1-3/8 x 12	1.56	1-7/32	5/16
1 x 12	1-3/8 x 12	1.37	1-5/16	1.39	1-3/8 x 12	1.56	1-7/32	5/16
1 x 14	1-3/8 x 12	1.37	1-5/16	1.39	1-3/8 x 12	1.56	1-7/32	5/16
1-1/8 x 7	1-1/2 x 12	1.62	1-7/16	1.52	1-1/2 x 12	1.84	1-11/32	5/16
1-1/8 x 12	1-1/2 x 12	1.62	1-7/16	1.52	1-1/2 x 12	1.84	1-11/32	5/16
1-1/4 x 7	1-5/8 x 12	1.81	1-9/16	1.64	1-5/8 x 12	2.06	1-15/32	5/16
1-1/4 x 12	1-5/8 x 12	1.81	1-9/16	1.64	1-5/8 x 12	2.06	1-15/32	5/16
1-1/2 x 6	1-7/8 x 12	2.00	1-13/16	1.89	1-7/8 x 12	2.28	1-23/32	5/16
1-1/2 x 12	1-7/8 x 12	2.00	1-13/16	1.89	1-7/8 x 12	2.28	1-23/32	5/16



Installation

Remove

Internal Thread Class 6H mm	External Thread Class 6g mm	L mm	A mm	C mm	Tap Class 6H mm	T Min.mm	R1 mm	R2 mm
THIN WALL								
M5 x 0.8	M8 x 1.25	8.0	6.9	8.25	M8 x 1.25	9.5	5.50	4.00
M6 x 1.0	M10 x 1.25	10.0	8.8	10.25	M10 x 1.25	11.5	7.50	4.75
M8 x 1.25	M12 x 1.25	12.0	10.8	12.25	M12 x 1.25	13.5	9.50	4.75
M8 x 1.0	M12 x 1.25	12.0	10.8	12.25	M12 x 1.25	13.5	9.50	4.75
M10 x 1.5	M14 x 1.5	14.0	12.8	14.25	M14 x 1.5	15.5	11.50	4.75
M10 x 1.25	M14 x 1.5	14.0	12.8	14.25	M14 x 1.5	15.5	11.50	4.75
M12 x 1.75	M16 x 1.5	16.0	14.75	16.25	M16 x 1.5	17.5	13.50	4.75
M12 x 1.25	M16 x 1.5	16.0	14.75	16.25	M16 x 1.5	17.5	13.50	4.75

HEAVY DUTY								
M4 x 0.7	M8 x 1.25	8.0	6.9	8.25	M8 x 1.25	9.5	5.50	4.00
M5 x 0.8	M10 x 1.25	10.0	8.8	10.25	M10 x 1.25	12.5	7.50	4.75
M6 x 1.0	M12 x 1.25	12.0	10.8	12.25	M12 x 1.25	14.5	9.50	4.75
M8 x 1.25	M14 x 1.5	14.0	12.8	14.25	M14 x 1.5	16.5	11.50	4.75
M8 x 1.0	M14 x 1.5	14.0	12.8	14.25	M14 x 1.5	16.5	11.50	4.75
M10 x 1.5	M16 x 1.5	16.0	14.75	16.25	M16 x 1.5	18.5	13.50	4.75
M10 x 1.25	M16 x 1.5	16.0	14.75	16.25	M16 x 1.5	18.5	13.50	4.75
M12 x 1.75	M18 x 1.5	18.0	16.75	18.25	M18 x 1.5	20.5	15.50	4.75
M12 x 1.25	M18 x 1.5	18.0	16.75	18.25	M18 x 1.5	20.5	15.50	4.75
M14 x 2.0	M20 x 1.5	20.0	18.75	20.25	M20 x 1.5	22.5	17.50	4.75
M14 x 1.5	M20 x 1.5	20.0	18.75	20.25	M20 x 1.5	22.5	17.50	4.75
M16 x 2.0	M22 x 1.5	22.0	20.5	22.25	M22 x 1.5	24.5	17.75	6.35
M16 x 1.5	M22 x 1.5	22.0	20.5	22.25	M22 x 1.5	24.5	17.75	6.35
M18 x 1.5	M24 x 1.5	24.0	22.5	24.25	M24 x 1.5	26.5	19.75	6.35
M20 x 2.5	M30 x 2.0	30.0	28.0	30.25	M30 x 2.0	34.5	25.75	6.35
M20 x 1.5	M30 x 2.0	30.0	28.0	30.25	M30 x 2.0	34.5	25.75	6.35
M22 x 1.5	M32 x 2.0	32.0	30.0	32.25	M32 x 2.0	36.5	27.75	6.35
M24 x 3.0	M33 x 2.0	33.0	31.0	33.25	M33 x 2.0	37.5	28.75	6.35
M24 x 2.0	M33 x 2.0	33.0	31.0	33.25	M33 x 2.0	37.5	28.75	6.35



1 DRILL

Drill out the material between the locking keys and the internal thread to the specified depth.

Note: Drill size and drilling depth are shown in the kefsert technical tables.



2 DEFLECT

Deflect locking keys inward and break off.



3 REMOVE

Remove the insert from the hole by winding it out using a screw extractor or similar type tool.



4 INSERT

A new kefsert insert of exactly the same size can be installed in the original hole.

Basic Removal Procedure

