



## Break-off tools – Extractors



### APPLICATIONS



Extractors and break-off tools are used on all types of thread inserts.

### PRODUCT SPECIFICATIONS

#### Break-off tools

- Enable users to break-off the thread insert tail once fitted
- Necessary for the tail break-off to be clean (break-off must be the result of vertical pressure subsequent to a shock).



Do not use inserting tool to break-off the tail.

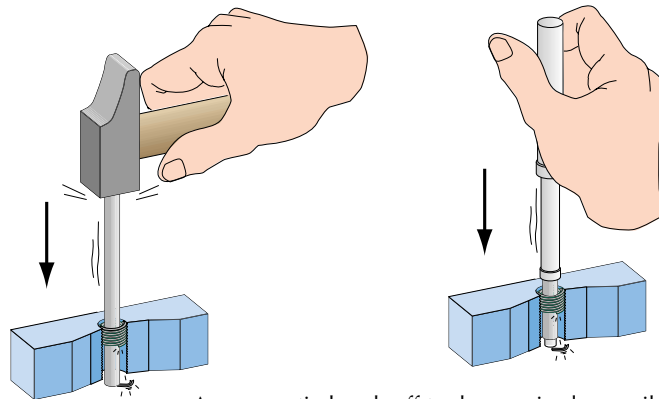
- The range features 17 break-off tools numbered from 1 to 17.
  - Each tool can be used to break off the tail of several equivalent diameters in metric and UNC/UNF.
- Eg : Break-off tool n° 7 can be used to break M6 x 1,00, \_-20 and \_-28.
- They are available:
    - from M2 x 0,40 to M22 x 2,50 in metric
    - from 2-56 to 7/8-14 in UNC/UNF



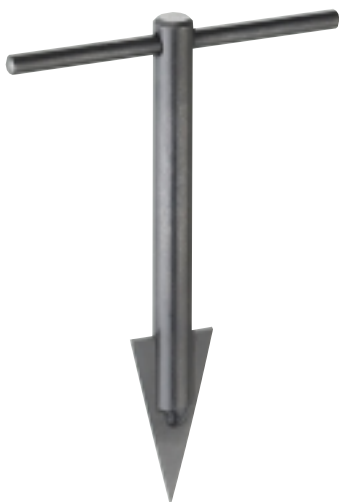
Manual

Automatic

If the broken tail stays in the hole, check if it will cause no damage within the repaired parts.

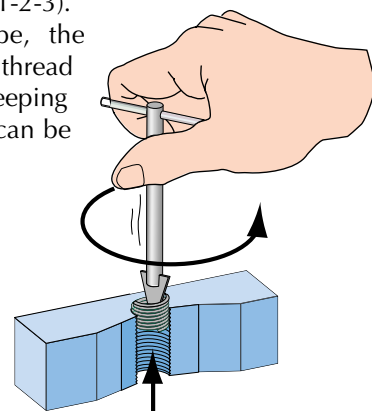


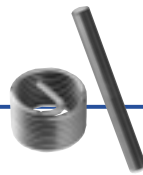
A pneumatic break-off tool range is also available (M3 to M12).  
Thus, you do not need to use a hammer anymore.




#### Extractors

- Enable users to extract a thread insert once fitted (if necessary).
- 3 models cover all diameters (n°1-2-3).
- Thanks to its triangular shape, the extractor can be locked into the thread insert. By rotating the tool while keeping a vertical thrust, the thread insert can be unscrewed.





**PRODUCT RANGE**

 For a specific diameter, the break-off tool can be different according to the kind of thread insert installed (FILTEC<sup>+</sup> or LOCKFIL<sup>+</sup>) because of the polygonal turns of the LOCKFIL<sup>+</sup>.

**METRIC  
UNC-UNF**

Ex: FILTEC<sup>+</sup> M4 x 0,70 break-off tool N°4  
 LOCKFIL<sup>+</sup> M4 x 0,70 break-off tool N°3

METRIC	Break-off tool FILTEC <sup>+</sup> FILTEC		Break-off tool LOCKFIL <sup>+</sup> LOCKFIL	
	N°	CODE	N°	CODE
M 2 x 0,40	1	264 010 000 00	-	-
M 2,5 x 0,45	1	264 010 000 00	1	264 010 000 00
M 3 x 0,50	3	264 030 000 00	2	264 020 000 00
M 3,5 x 0,60	3	264 030 000 00	3	264 030 000 00
M 4 x 0,70	4	264 040 000 00	3	264 030 000 00
M 5 x 0,80	6	264 060 000 00	5	264 050 000 00
M 6 x 1,00	7	264 070 000 00	6	264 060 000 00
M 7 x 1,00	8	264 080 000 00	7	264 070 000 00
M 8 x 1,00	9	264 090 000 00	8	264 080 000 00
M 8 x 1,25	9	264 090 000 00	8	264 080 000 00
M 9 x 1,25	10	264 100 000 00	9	264 090 000 00
M 10 x 1,00	11	264 110 000 00	11	264 110 000 00
M 10 x 1,25	11	264 110 000 00	11	264 110 000 00
M 10 x 1,50	11	264 110 000 00	10	264 100 000 00
M 11 x 1,50	12	264 120 000 00	11	264 110 000 00
M 12 x 1,00	13	264 130 000 00	13	264 130 000 00
M 12 x 1,25	13	264 130 000 00	13	264 130 000 00
M 12 x 1,50	13	264 130 000 00	12	264 120 000 00
M 12 x 1,75	12	264 120 000 00	12	264 120 000 00
M 14 x 1,50	14	264 140 000 00	14	264 140 000 00
M 14 x 2,00	14	264 140 000 00	14	264 140 000 00
M 16 x 1,50	15	264 150 000 00	15	264 150 000 00
M 16 x 2,00	15	264 150 000 00	15	264 150 000 00
M 18 x 1,50	16	264 160 000 00	16	264 160 000 00
M 18 x 2,00	16	264 160 000 00	16	264 160 000 00
M 18 x 2,50	15	264 150 000 00	15	264 150 000 00
M 20 x 1,50	17	264 170 000 00	17	264 170 000 00
M 20 x 2,00	17	264 170 000 00	17	264 170 000 00
M 20 x 2,50	16	264 160 000 00	16	264 160 000 00
M 22 x 1,50	17	264 170 000 00	17	264 170 000 00
M 22 x 2,00	17	264 170 000 00	17	264 170 000 00
M 22 x 2,50	17	264 170 000 00	17	264 170 000 00


UNC UNF	Break-off tool FILTEC <sup>+</sup> FILTEC		Break-off tool LOCKFIL <sup>+</sup> LOCKFIL	
	N°	CODE	N°	CODE
<b>UNC</b>				
2-56	1	264 010 000 00	1	264 010 000 00
4-40	3	264 030 000 00	2	264 020 000 00
5-40	3	264 030 000 00	3	264 030 000 00
6-32	3	264 030 000 00	3	264 030 000 00
8-32	5	264 050 000 00	4	264 040 000 00
10-24	4	264 040 000 00	4	264 040 000 00
1/4 - 20	7	264 070 000 00	7	264 070 000 00
5/16 - 18	8	264 080 000 00	8	264 080 000 00
3/8 - 16	10	264 100 000 00	9	264 090 000 00
7/16 - 14	11	264 110 000 00	11	264 110 000 00
1/2 - 13	13	264 130 000 00	12	264 120 000 00
9/16 - 12	14	264 140 000 00	14	264 140 000 00
5/8 - 11	14	264 140 000 00	14	264 140 000 00
3/4 - 10	16	264 160 000 00	16	264 160 000 00
7/8 - 9	17	264 170 000 00	17	264 170 000 00
<b>UNF</b>				
6-40	3	264 030 000 00	2	264 020 000 00
8-36	4	264 040 000 00	3	264 030 000 00
10-32	5	264 050 000 00	4	264 040 000 00
1/4-28	7	264 070 000 00	7	264 070 000 00
5/16-24	9	264 090 000 00	8	264 080 000 00
3/8-24	11	264 110 000 00	10	264 100 000 00
7/16-20	12	264 120 000 00	11	264 110 000 00
1/2-20	14	264 140 000 00	13	264 130 000 00
9/16-18	14	264 140 000 00	14	264 140 000 00
5/8-18	15	264 150 000 00	15	264 150 000 00
3/4-16	17	264 170 000 00	16	264 160 000 00
7/8-14	17	264 170 000 00	17	264 170 000 00

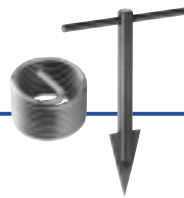


**BSP  
BSW-BSF**

BSP BSW	Break-off tool FILTEC <sup>+</sup>	
Ø and nominal pitch	N°	CODE
<b>BSP</b>		
1/8-28	11	264 110 000 00
1/4-19	14	264 140 000 00
3/8-19	15	264 150 000 00
1/2-14	17	264 170 000 00
5/8-14	17	264 170 000 00
<b>BSW</b>		
1/4-20	7	264 070 000 00
5/16-18	8	264 080 000 00
3/8-16	10	264 100 000 00
7/16-14	11	264 110 000 00
1/2-12	12	264 120 000 00
9/16-12	14	264 140 000 00
5/8-11	14	264 140 000 00
3/4-10	16	264 160 000 00
7/8-9	17	264 170 000 00

BSF	Break-off tool FILTEC <sup>+</sup>	
Ø and nominal pitch	N°	CODE
<b>BSF</b>		
1/4-26	7	264 070 000 00
5/16-22	9	264 090 000 00
3/8-20	10	264 100 000 00
7/16-18	12	264 120 000 00
1/2-16	13	264 130 000 00
9/16-16	14	264 140 000 00
5/8-14	15	264 150 000 00
3/4-12	16	264 160 000 00
7/8-11	17	264 170 000 00

METRIC	 Automatic break-off tool FILTEC <sup>+</sup>	
Ø	CODE	
2	039 02 000 000	
2,5	039 02 500 000	
3	039 03 000 000	
4	039 04 000 000	
5	039 05 000 000	
6	039 06 000 000	
8	039 08 000 000	
10	039 10 000 000	
12	039 12 000 000	
14	039 14 000 000	
16	039 16 000 000	



METRIC  
UNC-UNF  
BSP-BSW-BSF

PRODUCT RANGE

For some diameters both extractor n°1 and extractor n° 2 can be used.

Eg: M8 x 1,25      266 10 00 00 00 or  
                         266 20 00 00 00

METRIC	Extractor
Ø and nominal pitch	CODE
M 2 x 0,40 M 2,5 x 0,45 M 3 x 0,50 M 3,5 x 0,60 M 4 x 0,70 M 5 x 0,80 M 6 x 1,00 M 7 x 1,00	266 10 00 00 00
M 8 x 1,00 M 8 x 1,25 M 9 x 1,25 M 10 x 1,00 M 10 x 1,25 M 10 x 1,50 M 11 x 1,50 M 12 x 1,00 M 12 x 1,25 M 12 x 1,50 M 12 x 1,75	266 10 00 00 00 or 266 20 00 00 00
M 14 x 1,50 M 14 x 2,00 M 16 x 1,50 M 16 x 2,00 M 18 x 1,50 M 18 x 2,00 M 18 x 2,50 M 20 x 1,50 M 20 x 2,00 M 20 x 2,50 M 22 x 1,50 M 22 x 2,00 M 22 x 2,50	266 20 00 00 00
M 24 x 1,50 M 24 x 2,00 M 24 x 3,00	266 30 00 00 00

UNC UNF	Extractor
Ø and nominal pitch	CODE
UNC 2-56 4-40 5-40 6-32 8-32 10-24 1/4 - 20	266 100 000 00
5/16 - 18 3/8 - 16 7/16 - 24	266 100 000 00 or 266 200 000 00
1/2 - 13 9/16 - 12 5/8 - 11 3/4 - 10 7/8 - 9	266 200 000 00
1" - 8 1" 1/8-7	266 300 000 00
UNF 6-40 8-36 10-32 1/4-28	266 100 000 00
5/16-24 3/8-24 7/16-20	266 100 000 00 or 266 200 000 00
1/2-20 9/16-18 5/8-18 3/4-16 7/8-14	266 200 000 00
1" - 14 1" - 12 1" 1/8-12	266 300 000 00

BSP BSW BSF	Extractor
Ø and nominal pitch	CODE
BSP 1/8-28 1/4-19 3/8-19 1/2-14	266 200 000 00
5/8-14 3/4-14 7/8-14 1"-11	266 300 000 00
BSW 1/4-20 5/16-18	266 100 000 00 or 266 200 000 00
3/8-16 7/16-14 1/2-12 9/16-12 5/8-11 3/4-10 7/8-9	266 200 000 00
1" - 8	266 300 000 00
BSF 1/4-26 5/16-22	266 100 000 00 or 266 200 000 00
3/8-20 7/16-18 1/2-16 9/16-16 5/8-14 3/4-12 7/8-11	266 200 000 00
1" - 10	266 300 000 00