



## VVG StarCoil

### » High-strength for design and repair

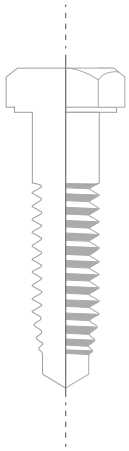
Coil threaded inserts or “coils” are an outstanding solution for achieving **high-strength joints in parts made from low-strength materials** (e.g. aluminium lightweight constructions). At the same time, **high wear resistance** is guaranteed. Furthermore, the inserts are ideally suited for the **repair of damaged threads**.

In addition to the individual special sizes that have been available from HON-SEL Umformtechnik for years, VVG will from 2017 be offering an **extensive range of standardised sizes** as well as intelligently designed **repair sets and refill boxes**.



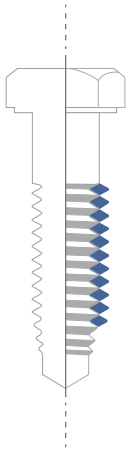
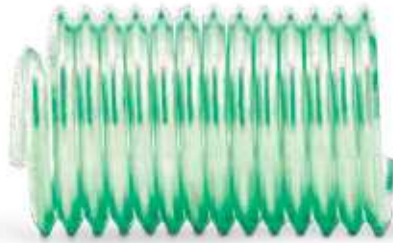


## Very simple handling



Coils consist of a specially formed and coiled wire with a driver pin that can be removed after installation and can be fitted **quickly and easily** in just a few steps.

- 1| DRILLING      The necessary bore is prepared using a twist drill selected for the diameter and pitch of the required coil size.
- 2| CUTTING      The holding thread is cut into the bore using the VVG thread tap. We recommend the use of cutting oil here.
- 3| INSTALLATION      The threaded insert is positioned on the VVG installation mandrel and screwed into the bore using the driver pin.
- 4| BREAKING      Finally the driver pin is broken off using the tang break-off tool at the predetermined breaking point and removed.



There are various possibilities for processing:

- Manual      The sturdy VVG universal handle and the matching tool kit allow flexible and mobile use on site.
- Battery tool      The VVG quick-change adapter allows the tool kit to be used even with existing cordless screwdrivers.
- Automation      We also offer special automation solutions for individual demands in industrial series production.



Portfolio with a wide range of sizes for refilling on the following double page!

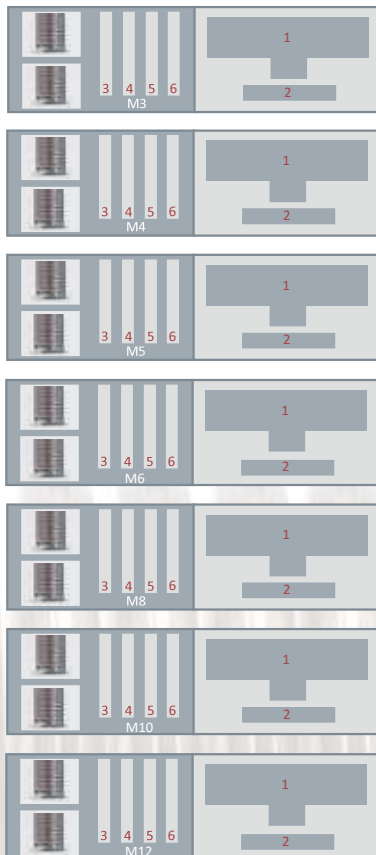
The new repair sets for the flexible processing of coil threaded inserts. **High quality and complete.**

The sets are supplied in a sturdy carrying case in an aluminium finish with strong rigid foam inserts and plastic boxes for the coils. The case is generally filled with a tool set consisting of:

- VVG universal handle
- Quick-change adapter (for use with cordless screwdrivers)
- Twist drills
- Thread tap
- Installation mandrel
- Tang break-off tool

## StarCoil BOX#1

The small StarCoil assortment in aluminium case with **one StarCoil FREE size in two lengths** together with a **tool set** consisting of a handle (1) and adapter (2) as well as twist drill (3), thread tap (4), installation mandrel (5) and tang break-off tool (6).



### BOX#1M3

15 coil threaded inserts **Stainless steel A2 M3 x 0.5 / 1.5 D**  
10 coil threaded inserts **Stainless steel A2 M3 x 0.5 / 2.5 D**

Item 12.800.000.103

### BOX#1M4

15 coil threaded inserts **Stainless steel A2 M4 x 0.7 / 1.5 D**  
10 coil threaded inserts **Stainless steel A2 M4 x 0.7 / 2.5 D**

Item 12.800.000.104

### BOX#1M5

15 coil threaded inserts **Stainless steel A2 M5 x 0.8 / 1.5 D**  
10 coil threaded inserts **Stainless steel A2 M5 x 0.8 / 2.5 D**

Item 12.800.000.105

### BOX#1M6

15 coil threaded inserts **Stainless steel A2 M6 x 1.0 / 1.5 D**  
10 coil threaded inserts **Stainless steel A2 M6 x 1.0 / 2.5 D**

Item 12.800.000.106

### BOX#1M8

15 coil threaded inserts **Stainless steel A2 M8 x 1.25 / 1.5 D**  
10 coil threaded inserts **Stainless steel A2 M8 x 1.25 / 2.5 D**

Item 12.800.000.108

### BOX#1M10

15 coil threaded inserts **Stainless steel A2 M10 x 1.5 / 1.5 D**  
10 coil threaded inserts **Stainless steel A2 M10 x 1.5 / 2.5 D**

Item 12.800.000.110

### BOX#1M12

10 coil threaded inserts **Stainless steel A2 M12 x 1.75 / 1.5 D**  
5 coil threaded inserts **Stainless steel A2 M12 x 1.75 / 2.5 D**

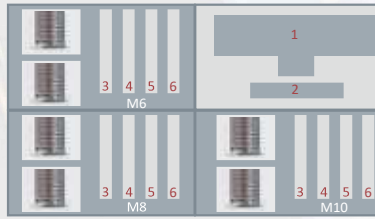
Item 12.800.000.112

All product ranges can be individually configured subject to minimum order quantities!



## StarCoil BOX#2

The medium StarCoil assortment in aluminium case with **three StarCoil FREE size in two lengths** together with a **tool set** consisting of a handle (1) and 1x adapter (2) as well as for each size 1x twist drill (3), thread tap (4), installation mandrel (5) and tang break-off tool (6).



### BOX#2M6-10

15 coil threaded inserts **Stainless steel A2 M6 x 1.0 / 1.5 D**  
10 coil threaded inserts **Stainless steel A2 M6 x 1.0 / 2.5 D**

15 coil threaded inserts **Stainless steel A2 M8 x 1.25 / 1.5 D**  
10 coil threaded inserts **Stainless steel A2 M8 x 1.25 / 2.5 D**

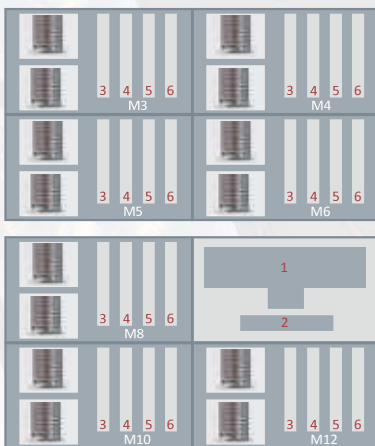
15 coil threaded inserts **Stainless steel A2 M10 x 1.5 / 1.5 D**  
10 coil threaded inserts **Stainless steel A2 M10 x 1.5 / 2.5 D**

Item 12.800.000.301



## StarCoil BOX#3

The large StarCoil assortment in aluminium case with **seven StarCoil FREE size in two lengths** together with a **tool set** consisting of a handle (1) and 1x adapter (2) as well as for each size 1x twist drill (3), thread tap (4), installation mandrel (5) and tang break-off tool (6).



### BOX#3M3-12

15 coil threaded inserts **Stainless steel A2 M3 x 0.5 / 1.5 D**  
10 coil threaded inserts **Stainless steel A2 M3 x 0.5 / 2.5 D**

15 coil threaded inserts **Stainless steel A2 M4 x 0.7 / 1.5 D**  
10 coil threaded inserts **Stainless steel A2 M4 x 0.7 / 2.5 D**

15 coil threaded inserts **Stainless steel A2 M5 x 0.8 / 1.5 D**  
10 coil threaded inserts **Stainless steel A2 M5 x 0.8 / 2.5 D**

15 coil threaded inserts **Stainless steel A2 M6 x 1.0 / 1.5 D**  
10 coil threaded inserts **Stainless steel A2 M6 x 1.0 / 2.5 D**

15 coil threaded inserts **Stainless steel A2 M8 x 1.25 / 1.5 D**  
10 coil threaded inserts **Stainless steel A2 M8 x 1.25 / 2.5 D**

15 coil threaded inserts **Stainless steel A2 M10 x 1.5 / 1.5 D**  
10 coil threaded inserts **Stainless steel A2 M10 x 1.5 / 2.5 D**

10 coil threaded inserts **Stainless steel A2 M12 x 1.75 / 1.5 D**  
5 coil threaded inserts **Stainless steel A2 M12 x 1.75 / 2.5 D**

Item 12.800.000.701



- with other combinations of sizes,
- as StarCoil LOCK version,
- with and without tools

Talk to us – we will be happy to advise you!

# VVG StarCoil PRODUCT RANGE

## StarCoilFREE (DIN 8140-1)

– STAINLESS STEEL A2 (1.4301) with continuous thread

A wide choice directly from stock. **Quick and reliable.**

In addition to the set boxes, we offer the fast delivery for which VVG is renowned also for our new StarCoil range.

Choose the right threaded insert for your application from **over 500 sizes.**

The VVG team is ready to help you at any time on site or on the telephone.

Dimensions		Standard / fine thread	Diameter <b>1,0D</b>	Length mm	Packag- ing unit	Diameter <b>1,5D</b>	Length mm	Packag- ing unit
M2	x 0.40	R	12.020.020.002	2.0	100	12.020.020.003	3.0	100
M2,5	x 0.45	R	12.020.025.002	2.5		12.020.025.003	3.75	
M3	x 0.50	R	12.020.030.003	3.0		12.020.030.004	4.5	
M4	x 0.70	R	12.020.040.004	4.0		12.020.040.006	6.0	
M5	x 0.80	R	12.020.050.005	5.0		12.020.050.007	7.5	
M6	x 1.00	R	12.020.060.006	6.0		12.020.060.009	9.0	
M7	x 1.00	R	12.020.070.007	7.0		12.020.070.010	10.5	
M8	x 1.25	R	12.020.080.008	8.0		12.020.080.012	12.0	
	x 1.00	F	12.020.081.008	8.0		12.020.081.012	12.0	
M9	x 1.25	R	12.020.090.009	9.0		12.020.090.013	13.5	
	x 1.00	F	-----			12.020.091.013	13.5	
M10	x 1.50	R	12.020.100.010	10.0		12.020.100.015	15.0	
	x 1.25	F	12.020.101.010	10.0	12.020.101.015	15.0		
	x 1.00	F	12.020.102.010	10.0	12.020.102.015	15.0		
M11	x 1.50	R	12.020.110.011	11.0	12.020.110.016	16.5		
	x 1.25	F	-----		12.020.111.016	16.5		
M12	x 1.75	R	12.020.120.012	12.0	12.020.120.018	18.0		
	x 1.50	F	12.020.121.012	12.0	12.020.121.018	18.0		
	x 1.25	F	12.020.122.012	12.0	12.020.122.018	18.0		
	x 1.00	F	12.020.123.012	12.0	12.020.123.018	18.0		
M14	x 2.00	R	12.020.140.014	14.0	12.020.140.021	21.0		
	x 1.50	F	12.020.141.014	14.0	12.020.141.021	21.0		
	x 1.25	F	12.020.142.014	14.0	12.020.142.016	16.4		
M16	x 2.00	R	12.020.160.016	16.0	12.020.160.024	24.0		
	x 1.50	F	12.020.161.016	16.0	12.020.161.024	24.0		
M18	x 2.50	R	12.020.180.018	18.0	12.020.180.027	27.0		
	x 2.00	F	12.020.181.018	18.0	12.020.181.027	27.0		
	x 1.50	F	12.020.182.018	18.0	12.020.182.027	27.0		
M20	x 2.50	R	12.020.200.020	20.0	12.020.200.030	30.0		
	x 2.00	F	12.020.201.020	20.0	12.020.201.030	30.0		
	x 1.50	F	12.020.202.020	20.0	12.020.202.030	30.0		
M22	x 2.50	R	12.020.220.022	22.0	12.020.220.033	33.0		
	x 2.00	F	12.020.221.022	22.0	12.020.221.033	33.0		
	x 1.50	F	12.020.222.022	22.0	12.020.222.033	33.0		
M24	x 3.00	R	12.020.240.024	24.0	12.020.240.036	36.0		
	x 2.00	F	12.020.241.024	24.0	12.020.241.036	36.0		
	x 1.50	F	12.020.242.024	24.0	12.020.242.036	36.0		
M26	x 1.50	F	-----		12.020.261.039	39.0		
M27	x 3.00	R	12.020.270.027	27.0	12.020.270.040	40.5		
	x 2.00	F	-----		12.020.271.040	40.5		
M30	x 3.50	R	12.020.300.030	30.0	12.020.300.045	45.0		
M36	x 4.00	R	12.020.360.036	36.0	12.020.360.054	54.0		



## StarCoil LOCK

– STAINLESS STEEL A2 (1.4301) with clamping function –

All sizes are also available as a version with a thread form that has a screw locking function.



Dimensions		Standard / fine thread	Diameter 2D	Length mm	Packaging unit	Diameter 2,5D	Length mm	Packaging unit	Diameter 3,0D	Length mm	Packaging unit
M2	x 0,40	R	12.020.020.004	4,0	100	12.020.020.005	5,0	100	12.020.020.006	6,0	100
	M2,5	x 0,45	R	12.020.025.005		5,0	12.020.025.006		6,25	12.020.025.007	
M3	x 0,50	R	12.020.030.006	6,0		12.020.030.007	7,5		12.020.030.009	9,0	
M4	x 0,70	R	12.020.040.008	8,0		12.020.040.010	10,0		12.020.040.012	12,0	
M5	x 0,80	R	12.020.050.010	10,0		12.020.050.012	12,5		12.020.050.015	15,0	
M6	x 1,00	R	12.020.060.012	12,0		12.020.060.015	15,0		12.020.060.018	18,0	
M7	x 1,00	R	12.020.070.014	14,0		12.020.070.017	17,5		12.020.070.021	21,0	
M8	x 1,25	R	12.020.080.016	16,0		12.020.080.020	20,0		12.020.080.024	24,0	
	x 1,00	F	12.020.081.016	16,0		12.020.081.020	20,0		12.020.081.024	24,0	
M9	x 1,25	R	12.020.090.180	18,0		12.020.090.022	22,5		12.020.090.027	27,0	
	x 1,00	F	-----			-----			-----		
M10	x 1,50	R	12.020.100.020	20,0		12.020.100.025	25,0		12.020.100.030	30,0	
	x 1,25	F	12.020.101.020	20,0		12.020.101.025	25,0		12.020.101.030	30,0	
	x 1,00	F	12.020.102.020	20,0		12.020.102.025	25,0		12.020.102.030	30,0	
M11	x 1,50	R	12.020.110.022	22,0	12.020.110.027	27,5	12.020.110.033	33,0			
	x 1,25	F	-----		-----		-----				
M12	x 1,75	R	12.020.120.024	24,0	12.020.120.030	30,0	12.020.120.036	36,0			
	x 1,50	F	12.020.121.024	24,0	12.020.121.030	30,0	12.020.121.036	36,0			
	x 1,25	F	12.020.122.024	24,0	12.020.122.030	30,0	12.020.122.036	36,0			
	x 1,00	F	12.020.123.024	24,0	12.020.123.030	30,0	12.020.123.036	36,0			
M14	x 2,00	R	12.020.140.028	28,0	12.020.140.035	35,0	12.020.140.042	42,0			
	x 1,50	F	12.020.141.028	28,0	12.020.141.035	35,0	12.020.141.042	42,0			
	x 1,25	F	12.020.142.028	28,0	12.020.142.035	35,0	12.020.142.042	42,0			
M16	x 2,00	R	12.020.160.032	32,0	12.020.160.040	40,0	12.020.160.048	48,0			
	x 1,50	F	12.020.161.032	32,0	12.020.161.040	40,0	12.020.161.048	48,0			
M18	x 2,50	R	12.020.180.036	36,0	12.020.180.045	45,0	12.020.180.054	54,0			
	x 2,00	F	12.020.181.036	36,0	12.020.181.045	45,0	12.020.181.054	54,0			
	x 1,50	F	12.020.182.036	36,0	12.020.182.045	45,0	12.020.182.054	54,0			
M20	x 2,50	R	12.020.200.040	40,0	12.020.200.050	50,0	12.020.200.060	60,0			
	x 2,00	F	12.020.201.040	40,0	12.020.201.050	50,0	12.020.201.060	60,0			
	x 1,50	F	12.020.202.040	40,0	12.020.202.050	50,0	12.020.202.060	60,0			
M22	x 2,50	R	12.020.220.044	44,0	12.020.220.055	55,0	12.020.220.066	66,0			
	x 2,00	F	12.020.221.044	44,0	12.020.221.055	55,0	12.020.221.066	66,0			
	x 1,50	F	12.020.222.044	44,0	12.020.222.055	55,0	12.020.222.066	66,0			
M24	x 3,00	R	12.020.240.048	48,0	12.020.240.060	60,0	12.020.240.072	72,0			
	x 2,00	F	12.020.241.048	48,0	12.020.241.060	60,0	12.020.241.072	72,0			
	x 1,50	F	12.020.242.048	48,0	12.020.242.060	60,0	12.020.242.072	72,0			
M26	x 1,50	F	-----		5						
M27	x 3,00	R	12.020.270.054	54,0							
	x 2,00	F	-----								
M30	x 3,50	R	12.020.300.060	60,0							
M36	x 4,00	R	12.020.360.072	72,0							



Do you need a special form? No problem!  
Together with you, we can develop the required coil threaded insert and produce it in the highest quality.

Furthermore, we can draw on an extensive range of coil threaded inserts with UNC or UNF threads.