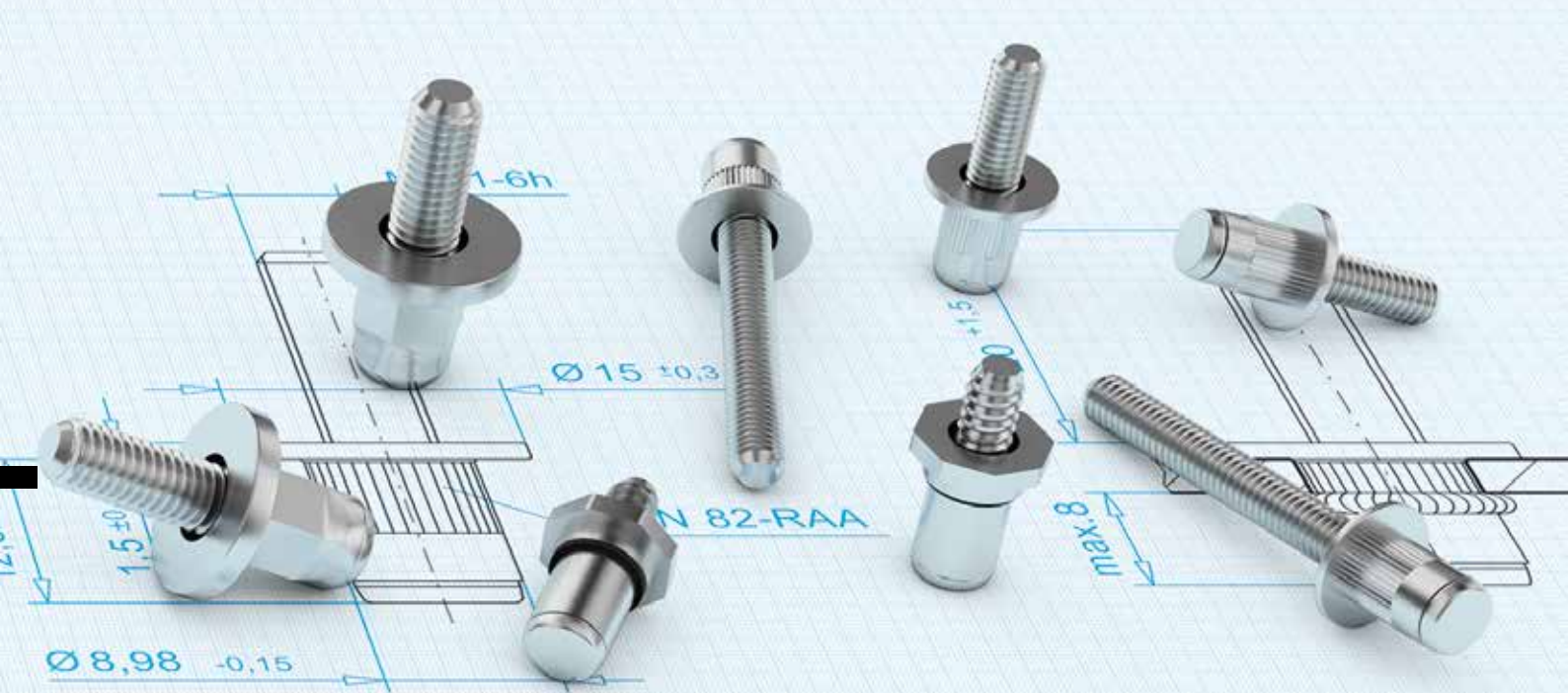




## Special Blind Rivet Bolts



Special manufactured products according to customers request are possible here too.

All parameter like the length of the screws, type of the thread, layout of the sleeve (knurled, hexagonal), head shape (flat head, countersunk and small countersunk head) can be adapted according to your individual needs.

The blind rivet bolts can be made from steel, stainless steel and aluminium.

The perfect tightening can be reached by additional sealings.





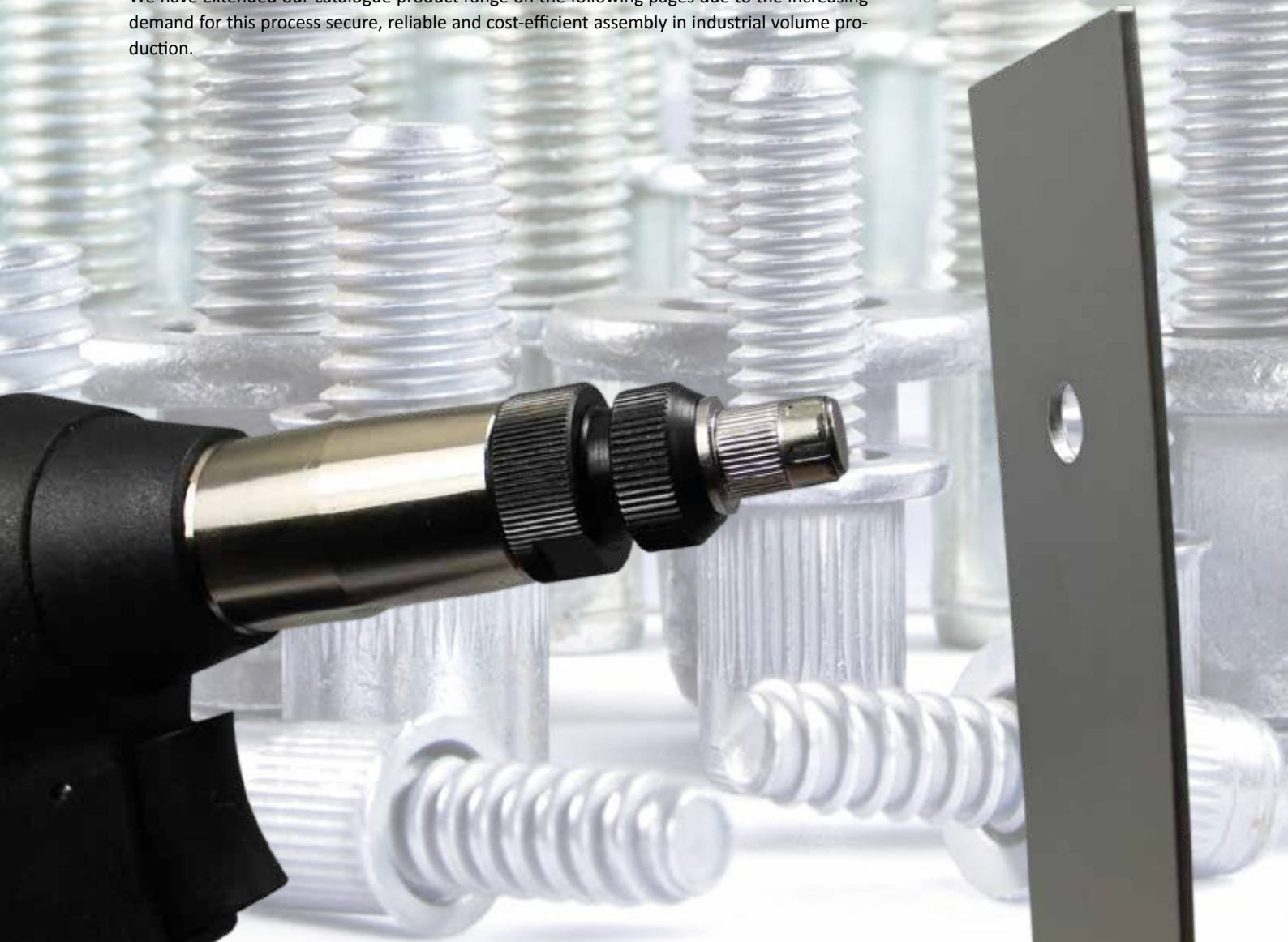
The HONSEL-Group is one of the **leading developers** of blind rivet bolts. RIFBOLT® blind rivet bolts are working with the same principle of operation as blind rivet nuts. High-strength and splash water protected types and laser welded versions are only two of many innovative design ideas.

RIFBOLT blind rivet bolts consist of a **sleeve** and a **screw**, which are joined together by welding or crimping. As special production components we can use different lengths and types of screws can be used as well as almost every rivet nut sleeve.

Blind rivet bolts offer a **multiple use**. They can

- >> connect different working pieces,
- >> install a thread into components and
- >> fix additional parts to the screw.

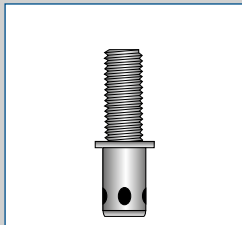
We have extended our catalogue product range on the following pages due to the increasing demand for this process secure, reliable and cost-efficient assembly in industrial volume production.



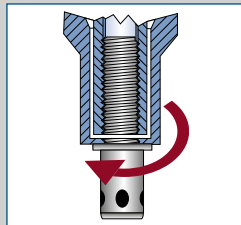
# Technical Explanations

**i** Blind rivet threaded bolts principally work in the same way as blind rivet nuts. It is only necessary to replace the threaded mandrels of the setting device with threaded sleeves (interior threads).

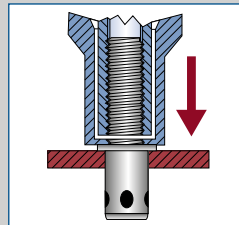
The sleeve of the blind rivet bolt is inserted into the prepared borehole and deformed by the stroke of the tool. Knurled types or versions with (partial) hexagonal shaft are available to decrease the danger of the fasteners rotation in the hole.



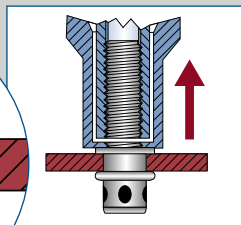
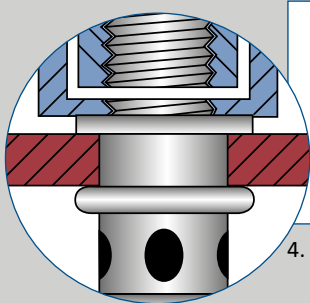
1. RIFBOLT®-Blind rivet bolt



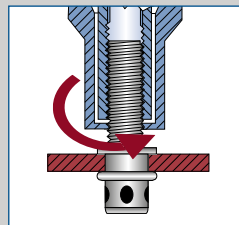
2. Screwing into the device nose piece



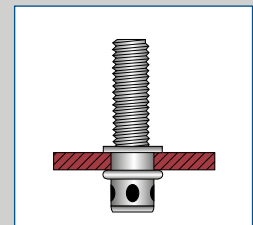
3. Insertion into the take-up hole of the workpiece



4. Riveting by tightening



5. Spindling of the blind rivet bolt.



6. Lowering the installed RIFBOLT® blind rivet bolt.



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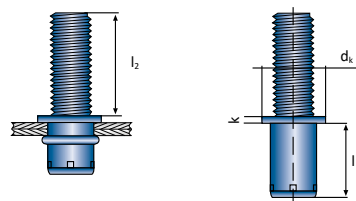
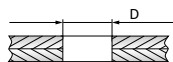


# Blind Rivet Bolt RIFBOLT® Series 10.880



Steel galvanized

Flat Head <  
Round Shank <



M	$\frac{+}{-}$	l	l <sub>2</sub>	No.			
<b>M4</b>	$\frac{+}{-}$	0,3 - 2,0	8,5	10,0	10.880.042.010	500	
		2,0 - 3,0	10,0	15,0	10.880.043.015	500	
<b>l<sub>1</sub> max. 5,0</b>		<b>D 5,5</b>	<b>d<sub>k</sub> 8,0</b>	<b>k 0,5</b>	7000 N	4 Nm	5000 N
<b>M5</b>	$\frac{+}{-}$	0,5 - 2,0	9,4	10,0	10.880.052.010	500	
		2,0 - 3,5	10,9	15,0	10.880.053.515	500	
<b>l<sub>1</sub> max. 6,0</b>		<b>D 6,6</b>	<b>d<sub>k</sub> 9,0</b>	<b>k 0,8</b>	9500 N	6 Nm	8000 N

M	$\frac{+}{-}$	l	l <sub>2</sub>	No.			
<b>M6</b>	$\frac{+}{-}$	0,5 - 2,5	10,9	10,0	10.880.062.510	500	
			15,0	10.880.062.515	500		
		2,5 - 4,0	12,4	10,0	10.880.064.010	500	
			15,0	10.880.064.015	500		
<b>l<sub>1</sub> max. 7,0</b>		<b>D 7,8</b>	<b>d<sub>k</sub> 10,0</b>	<b>k 1,0</b>	12000N	11Nm	9500 N
<b>M8</b>	$\frac{+}{-}$	1,0 - 3,0	14,0	15,0	10.880.083.015	250	
			15,0	10.880.085.015	250		
		3,0 - 5,0	16,0	20,0	10.880.085.020	250	
<b>l<sub>1</sub> max. 9,0</b>		<b>D 9,9</b>	<b>d<sub>k</sub> 12,0</b>	<b>k 1,5</b>	23500N	24Nm	12000N

l<sub>2</sub> = length of the screw after setting; it depends on grip range and tool adjustment

Property class of the screw: 8.8

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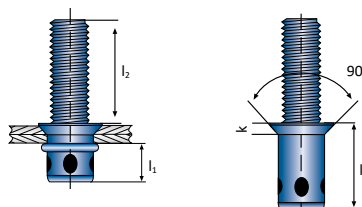
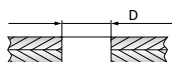


# Blind Rivet Bolt RIFBOLT® Series 10.881



Steel galvanized

Countersunk Head <  
Round Shank <



M	$\frac{+}{-}$	l	l <sub>2</sub>	No.		
<b>M4</b>	$\frac{+}{-}$	1,5 - 2,4	9,0	10,0	10.881.042.610	500
<b>l<sub>1</sub> max. 5,0</b>		<b>D 5,5</b>	<b>k 1,1</b>	7000 N	4 Nm	5000 N
<b>M5</b>	$\frac{+}{-}$	1,5 - 2,9	10,5	10,0	10.881.053.110	500
			15,0	10.881.053.115	500	
<b>l<sub>1</sub> max. 6,0</b>		<b>D 6,6</b>	<b>k 1,1</b>	9500 N	6 Nm	8000 N

M	$\frac{+}{-}$	l	l <sub>2</sub>	No.		
<b>M6</b>	$\frac{+}{-}$	1,5 - 3,4	12,0	10,0	10.881.063.610	500
			15,0	10.881.063.615	500	
<b>l<sub>1</sub> max. 7,0</b>		<b>D 7,8</b>	<b>k 1,1</b>	12000N	11Nm	9500N
<b>M8</b>	$\frac{+}{-}$	1,5 - 3,9	15,0	10,0	10.881.084.115	250
			20,0	10.881.084.120	250	
<b>l<sub>1</sub> max. 9,0</b>		<b>D 9,9</b>	<b>k 1,2</b>	23500N	24Nm	12000N

l<sub>2</sub> = length of the screw after setting; it depends on grip range and tool adjustment

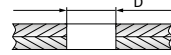
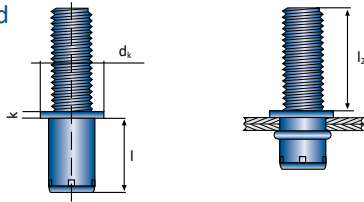
Property class of the screw: 8.8



# Blind Rivet Bolt RIFBOLT® Series 10.884

**Steel** galvanized

- > Flat Head
- > Round Shank



M	$\frac{+}{-}$	l	l <sub>2</sub>	No.	
<b>M5</b>	0,5 - 2,0	13,0	15,0	10.884.053.015	500
D 7,0	d <sub>k</sub> 10,0	k 1,0		8 Nm	↓ 8800 N
<b>M6</b>	0,5 - 2,5	15,0	20,0	10.884.063.020	250
D 9,0	d <sub>k</sub> 12,0	k 1,2		17 Nm	↓ 12000 N

M	$\frac{+}{-}$	l	l <sub>2</sub>	No.	
<b>M8</b>	0,5 - 3,0	18	20,0	10.884.083.020	250
D 11,0	d <sub>k</sub> 15,0	k 1,5		43 Nm	↓ 15000 N

l<sub>2</sub> = length of the screw after setting; it depends on grip range and tool adjustment

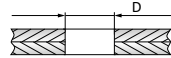
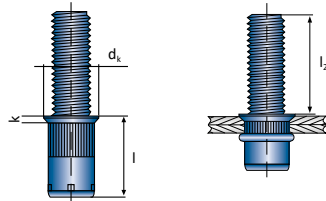
RIFBOLT®



# Blind Rivet Bolt RIFBOLT® Series 10.883

**Steel**

- > Small Countersunk Head
- > Round Shank
- > knurled



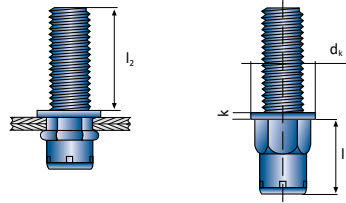
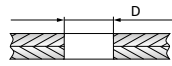
M	$\frac{+}{-}$	l	l <sub>2</sub>	No.	
<b>M4</b>	0,5 - 2,0	11,0	10,0	10.883.043.010	500
D 6,0	d <sub>k</sub> 6,8	k 0,5		4,6 Nm	↓ 5300 N
<b>M5</b>	0,5 - 2,0	13,0	15,0	10.883.053.015	500
D 7,0	d <sub>k</sub> 8,0	k 0,6		8,0 Nm	↓ 8800 N

M	$\frac{+}{-}$	l	l <sub>2</sub>	No.	
<b>M6</b>	1,0 - 2,5	15,0	20,0	10.883.063.020	250
D 9,0	d <sub>k</sub> 10,0	k 0,6		17 Nm	↓ 12000 N
<b>M8</b>	1,0 - 3,0	18,0	20,0	10.883.083.020	250
D 11,0	d <sub>k</sub> 12,0	k 0,6		36 Nm	↓ 15000 N

l<sub>2</sub> = length of the screw after setting; it depends on grip range and tool adjustment



# Blind Rivet Bolt RIFBOLT® Series 10.885



**Steel**

Flat Head <  
Hexagonal <

M	$\frac{+}{-}$	l	l <sub>2</sub>	No.	
<b>M5</b>	0,5 - 2,0	13,0	15,0	10.885.053.015	500
SW 7,0	d <sub>k</sub> 10,0	k 1,0		8 Nm	† 8800 N
<b>M6</b>	0,5 - 2,5	15,0	20,0	10.885.063.020	250
SW 9,0	d <sub>k</sub> 12,0	k 1,2		23 Nm	† 12000 N

M	$\frac{+}{-}$	l	l <sub>2</sub>	No.	
<b>M8</b>	1,0 - 3,0	18	20,0	10.885.083.020	250
SW 11,0	d <sub>k</sub> 15,0	k 1,5		36 Nm	† 15000 N

l<sub>2</sub> = length of the screw after setting; it depends on grip range and tool adjustment

