






## Blind rivet systems – Blind rivet nuts

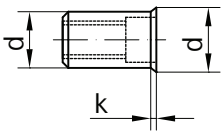
Note: When inquiring about 5 digit part numbers beginning with 8, please preface the number with R264-. Example: 88111 should be R264-88111.

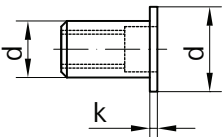
### Blind rivet nuts: Function and assembly process

By combining two fastening options, blind rivet nuts provide cost and quality benefits. On the one hand, a rivet fastening is made by rivetting the nuts with sheet metal and, on the other hand, a screw fastening is created. This combination makes it possible to use thin-walled component parts for which the inclusion of a thread is sometimes problematic due to the low material strength. A further advantage is that a detachable screw fastening is created without any heat impact and thus, an unchecked thermal lag in the components can be prevented. Additionally, various materials can be connected with each other.

	①	The blind rivet nut is screwed onto the thread mandrel and inserted into the drill hole from the front side of the workpiece. The length of the blind rivet nut is based on the material strength.
	②	By using the setting tool the blind rivet nut is reshaped, which creates a firmly-sitting, immovable thread in seconds. At the same time, materials can be pressed together in this process.
	③	After unscrewing the thread mandrel, a metric screw can be used to fasten an additional part.

### Blind rivet nuts dimensions

R264 - article	Material	Dimensions	M 4	M 5	M 6	
<b>Open blind rivet nuts with small countersunk head</b>		d <sub>1</sub>	6	7	9	
		d <sub>2</sub>	6.9	7.9	9.9	
		k	0.6	0.6	0.6	
		drill Ø	6.1	7.1	9.1	
<b>88418</b> Al alloy Steel A2		<b>Material</b>	<b>Shear strength<sub>min</sub> in N (Thread tensile<sub>min</sub> in N)</b>			
		The specifications are identical to the specifications for article 88424 (see TI-153)				
		<b>Length</b>	<b>Clamping length range (min - max)</b>			
		12.0 (steel/Al)	0.25-3.0/0.5-3.0	-	-	-
12.5 (steel/Al)	-	0.25-3.0/0.5-3.0	-	-		
15.5 (steel/Al)	-	-	-	0.25-3.5/0.5-3.5		

R264 - article	Material	Dimensions	M 4	M 5	M 6	M 8	M 10	
<b>Open blind rivet nuts with protruding head</b>		d <sub>1</sub>	6	7	9	11	12	
		d <sub>2</sub>	9	10	12	14	15	
		k	0.8	1	1.5	1.5	1.5	
		drill Ø	6.1	7.1	9.1	11.1	12.1	
<b>88423</b> Al alloy A2		<b>Material</b>	<b>Shear strength<sub>min</sub> in N (Thread tensile<sub>min</sub> in N)</b>					
		The specifications are identical to the specifications for article 88424 (see TI-153)						
		<b>Length</b>	<b>Clamping length range (min - max)</b>					
		11.0 (steel/Al)	0.25 - 3.0	-	-	-	-	
		11.5 (steel/Al)	-	0.25 - 3.0	-	-	-	
		13.0 (steel/Al)	2.5-4.5/2.5-4.0	-	-	-	-	
		13.5 (steel/Al)	-	2.5-5.0/2.5-4.5	-	-	-	
		15.5 (steel/Al)	-	-	0.25 - 3.5	-	-	
		17.0 (steel/Al)	-	-	-	0.25 - 3.5	-	
		17.5 (steel/Al)	-	-	-	-	0.25 - 3.5	
		18.0 (steel/Al)	-	-	3.0 - 5.5	-	-	
		20.0 (steel/Al)	-	-	-	3.0 - 6.0	-	
		20.5 (steel/Al)	-	-	-	-	3.0 - 6.0	