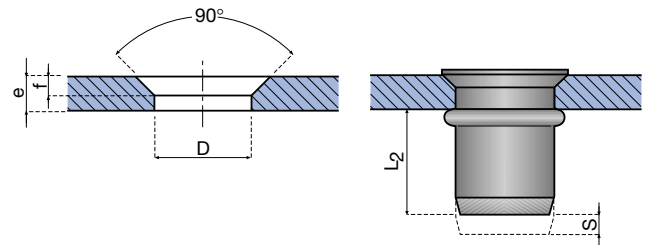
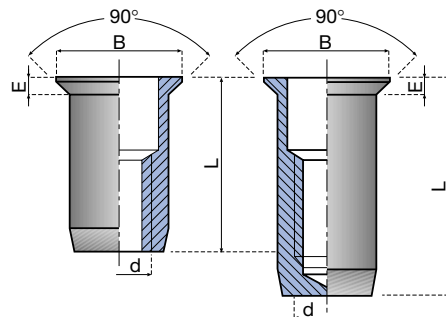


**RIVKLE® Steel blind rivet nuts/  
Extending the RIVKLE® plus range**

**Round body, plain, countersunk head**

**Types 233 11 open and 233 31 closed**



**Advantages:**

- very small head projection
- high crimping force
- screw length can be varied (open end)
- splash-proof (closed end)

for the products shown in Blue we recommend the use of **RIVKLE® plus 343 67**, page 14, which does not require any countersinking of the workpiece.

d	Thickness e	Hole D <sup>+0.1</sup> /ø	f	B	E	S*	Open B 70 200			Closed B 70 200		
							L	L <sub>2</sub> *	Product code	L	L <sub>2</sub> *	Product code
M3	1.0 – 1.5	5	0.9	6.6	1.0	S = 2.8-e	8.5	4.8	2331 103 0015	12.5	8.8	2333 103 0015
	1.5 – 3.0	5	1.3	7.2	1.4	S = 4.3-e	9.0	4.8	2331 103 0030	13.0	8.8	2333 103 0030
	3.0 – 4.5	5	1.3	7.2	1.4	S = 5.8-e	10.5	4.8	2331 103 0045	14.5	8.8	2333 103 0045
	4.5 – 6.0	5	1.3	7.2	1.4	S = 6.3-e	12.0	4.8	2331 103 0060	16.0	8.8	2333 103 0060
M4	1.0 – 2.0	6	0.9	7.6	1.0	S = 3.7-e	10.0	5.4	2331 104 0020	15.0	10.4	2333 104 0020
	2.0 – 3.0	6	1.3	8.2	1.4	S = 4.7-e	10.5	5.4	2331 104 0030	15.5	10.4	2333 104 0030
	3.0 – 5.0	6	1.3	8.2	1.4	S = 6.7-e	12.0	5.4	2331 104 0050	17.0	10.4	2333 104 0050
	5.0 – 7.0	6	1.3	8.2	1.4	S = 8.7-e	14.0	5.4	2331 104 0070	19.0	10.4	2333 104 0070
M5	1.5 – 4.0	7	1.5	9.6	1.6	S = 6.5-e	14.0	8.0	2331 105 0040	20.0	14.0	2333 105 0040
	4.0 – 6.5	7	1.5	9.6	1.6	S = 9-e	17.0	8.0	2331 105 0065	23.0	14.0	2333 105 0065
	6.5 – 9.0	7	1.5	9.6	1.6	S = 11.5-e	20.0	8.0	2331 105 0090	26.0	14.0	2333 105 0090
M6	1.5 – 4.0	9	1.5	11.7	1.6	S = 6.2-e	16.0	10.0	2331 106 0040	23.0	17.0	2333 106 0040
	4.0 – 6.5	9	1.5	11.7	1.6	S = 8.7-e	19.0	10.0	2331 106 0065	26.0	17.0	2333 106 0065
	6.5 – 9.0	9	1.5	11.7	1.6	S = 11.2-e	22.0	10.0	2331 106 0090	29.0	17.0	2333 106 0090
M8	1.5 – 4.0	11	1.5	13.5	1.6	S = 7-e	18.0	11.0	2331 108 0040	26.0	19.0	2333 108 0040
	4.0 – 6.5	11	1.5	13.5	1.6	S = 9.5-e	21.0	11.0	2331 108 0065	29.0	19.0	2333 108 0065
	6.5 – 9.0	11	1.5	13.5	1.6	S = 12-e	24.0	11.0	2331 108 0090	32.0	19.0	2333 108 0090
M10	1.5 – 4.0	13	1.5	15.5	1.6	S = 7.3-e	22.0	15.0	2331 110 0040	32.0	25.0	2333 110 0040
	4.0 – 6.5	13	1.5	15.5	1.6	S = 9.8-e	25.0	15.0	2331 110 0065	35.0	25.0	2333 110 0065
	6.5 – 9.0	13	1.5	15.5	1.6	S = 12.3-e	28.0	15.0	2331 110 0090	38.0	25.0	2333 110 0090
M12	1.7 – 4.5	16	1.7	19.0	1.8	S = 8.2-e	26.0	17.5	2331 112 0045	38.0	29.5	2333 112 0045
	4.5 – 7.5	16	1.7	19.0	1.8	S = 11.2-e	29.0	17.5	2331 112 0075	41.0	29.5	2333 112 0075
	7.5 – 10.5	16	1.7	19.0	1.8	S = 14.2-e	32.0	17.5	2331 112 0105	44.0	29.5	2333 112 0105
M14**	3.0 – 4.5	18	3.0	23.7	3.1	S = 9-e	31.4	21.8	2331 114 0450	44.4	34.8	2333 114 0450
	4.5 – 6.0	18	3.5	24.0	3.6	S = 10.5-e	33.0	21.8	2331 114 0600	46.0	34.8	2333 114 0600
	6.0 – 7.5	18	3.5	24.0	3.6	S = 12-e	34.6	21.8	2331 114 0750	47.6	34.8	2333 114 0750
	7.5 – 9.0	18	3.5	24.0	3.6	S = 13.5-e	36.2	21.8	2331 114 0900	49.2	34.8	2333 114 0900

\* Dimensions S and L<sub>2</sub> are indicative values. The difference in length S depends on the material thickness and is used as the setting tool stroke. Note: Countersink angle 90°. The optimum countersink depth f is slightly less than E. Dimensions in mm.

Surface treatment: 8 µ zinc plated + yellow passivated. Other dimensions and variants can be supplied on request.

\*\*Details of setting tools on request.