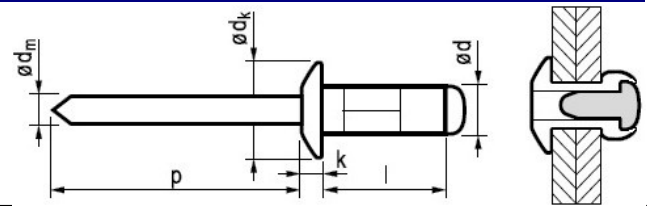


1181 AL-ST Black (RAL9005) Dome head hole filling (Plia, multi, vibration resistant, higher strength)

Rivet body: Aluminum (AlMg2,5)
Mandrel: Steel, RoHS surface treatment



Ød * Drill hole mm	l: length (mm) +1/-0,2	Grip range mm	Part no.	Ødk mm	k mm	Ød mm	p mm	Tensile Newton	Shear Newton	Description
3,2 [+0,05/-0,13] * Ø 3,3 (3,5 max)	6,0	0,5-3,0	1181-3206	6,0 [+/-0,24]	≤1,4	~1,78	≥27	980	680	3,2*6 Aluminium/Steel black multigrip rivet
	8,0	0,5-5,0	1181-3208							3,2*8 Aluminium/Steel RAL9005 multig. rivet
	9,5	2,0-6,5	1181-3209							3,2*9 Aluminium/Steel black multigrip rivet
	10,0	2,5-7,0	1181-3210							3,2*10 Aluminium/Steel RAL9005 multig. rivet
	11,1	3,5-8,0	1181-3211							3,2*11 Aluminium/Steel black multigrip rivet
	12,0	4,5-9,0	1181-3212							3,2*12 Aluminium/Steel RAL9005 multig. rivet
	12,7	5,5-9,5	1181-3213							3,2*13 Aluminium/Steel black multigrip rivet
	14,0	6,5-11,0	1181-3214							3,2*14 Aluminium/Steel RAL9005 multig. rivet
	16,0	8,5-13,0	1181-3216							3,2*16 Aluminium/Steel black multigrip rivet
4,0 [+0,05/-0,13] * Ø 4,1 (4,3 max)	6,0	0,5-2,5	1181-4006	8,0 [+/-0,29]	≤1,7	~2,18	≥27	1600	1150	4,0*6 Aluminium/Steel RAL9005 multig. rivet
	8,0	0,5-4,5	1181-4008							4,0*8 Aluminium/Steel black multigrip rivet
	9,5	1,0-6,0	1181-4009							4,0*9 Aluminium/Steel RAL9005 multig. rivet
	10,0	1,5-6,5	1181-4010							4,0*10 Aluminium/Steel black multigrip rivet
	12,0	3,5-8,5	1181-4012							4,0*12 Aluminium/Steel RAL9005 multig. rivet
	12,7	4,0-9,5	1181-4013							4,0*13 Aluminium/Steel black multigrip rivet
	14,0	5,5-10,5	1181-4014							4,0*14 Aluminium/Steel RAL9005 multig. rivet
	16,0	7,5-12,5	1181-4016							4,0*16 Aluminium/Steel black multigrip rivet
	17,0	8,5-13,5	1181-4017							4,0*17 Aluminium/Steel RAL9005 multig. rivet
	18,0	9,5-14,5	1181-4018							4,0*18 Aluminium/Steel black multigrip rivet
4,8 [+0,05/-0,13] * Ø 4,9 (5,2 max)	10,0	0,5-5,0	1181-4810	9,5 [+/-0,29]	≤2,0	~2,78	≥27	2350	1500	4,8*10 Aluminium/Steel black multigrip rivet
	10,3	0,5-5,5	1181-4811							4,8*11 Aluminium/Steel RAL9005 multig. rivet
	12,0	2,0-7,0	1181-4812							4,8*12 Aluminium/Steel black multigrip rivet
	14,0	4,0-9,0	1181-4814							4,8*14 Aluminium/Steel RAL9005 multig. rivet
	15,1	5,0-10,5	1181-4815							4,8*15 Aluminium/Steel black multigrip rivet
	16,0	6,0-11,0	1181-4816							4,8*16 Aluminium/Steel RAL9005 multig. rivet
	17,0	7,0-12,0	1181-4817							4,8*17 Aluminium/Steel black multigrip rivet
	18,0	8,0-13,0	1181-4818							4,8*18 Aluminium/Steel RAL9005 multig. rivet
	20,0	10,0-15,0	1181-4820							4,8*20 Aluminium/Steel black multigrip rivet
	22,0	12,0-17,0	1181-4822							4,8*22 Aluminium/Steel RAL9005 multig. rivet
	24,0	14,0-19,0	1181-4824							4,8*24 Aluminium/Steel black multigrip rivet
	24,8	14,5-19,5	1181-4825							4,8*25 Aluminium/Steel RAL9005 multig. rivet

Technical specifications:

- at the backside of the rivet has more deformation like the regular rivet, so the clinching force will be spreaded more efficiently
- after riveting the stem/mandrel of rivet fixed in the rivet body, thus it will become vibration resistant
- further advantage is the hole filling, so it is suitable for less precise/ large borehole
- next advantage is the large grip range
- it is suitable for riveting of soft material (it will not be cracked)
- deformation of the backside of the rivet is aesthetic
- black painted rivet (RAL 9005)

