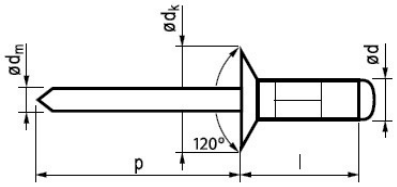
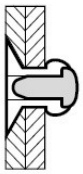
1004 Countersunk head hole filling (Plia, multigrip, vibration resistant, higher strength)

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.	Ød$_k$ mm	k mm	Ød$_m$ mm	p mm	Tensile Newton	Shear Newton	Description
3,2 [+0,05/-0,13] *Ø 3,3 [3,5 max]	8,0	1,5-5,0	1004-3208	6,0 [+/-0,24]	0	~1,78	≥27	980	680	3,2*8 Al/St Countersunk head multigrip rivet
	9,7	2,5-6,5	1004-3209							3,2*9 Al/St Countersunk head multigrip rivet
	10,0	2,5-7,0	1004-3210							3,2*10 Al/St Countersunk head multigrip rivet
	12,0	4,5-9,0	1004-3212							3,2*12 Al/St Countersunk head multigrip rivet
4, [+0,05/-0,13] *Ø 4,1 [4,3 max]	8,0	1,5-4,5	1004-4008	8,0 [+/-0,29]	0	~2,18	≥27	1 600	1 150	4,0*8 Al/St Countersunk head multigrip rivet
	10,0	1,5-6,5	1004-4010							4,0*10 Al/St Countersunk head multigrip rivet
	11,3	2,5-7,5	1004-4011							4,0*11 Al/St Countersunk head multigrip rivet
	12,0	3,5-8,5	1004-4012							4,0*12 Al/St Countersunk head multigrip rivet
	14,0	5,5-10,5	1004-4014							4,0*14 Al/St Countersunk head multigrip rivet
4,8 [+0,05/-0,13] *Ø 4,9 [5,2 max]	10,0	1,5-5,0	1004-4810	9,5 [+/-0,29]	0	~2,78	≥27	2 350	1 500	4,8*10 Al/St Countersunk head multigrip rivet
	12,0	2,0-7,0	1004-4812							4,8*12 Al/St Countersunk head multigrip rivet
	14,0	4,0-9,0	1004-4814							4,8*14 Al/St Countersunk head multigrip rivet
	16,0	6,0-11,0	1004-4816							4,8*16 Al/St Countersunk head multigrip rivet
	16,9	7,0-12,0	1004-4817							4,8*17 Al/St Countersunk head multigrip rivet

Technical specifications:
- due to the countersunk head it remains in the level of the sheet
- counter-boring of the metal sheet is very important, if it is not good the rivet will be loose (not to be deep or shallow)
- 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