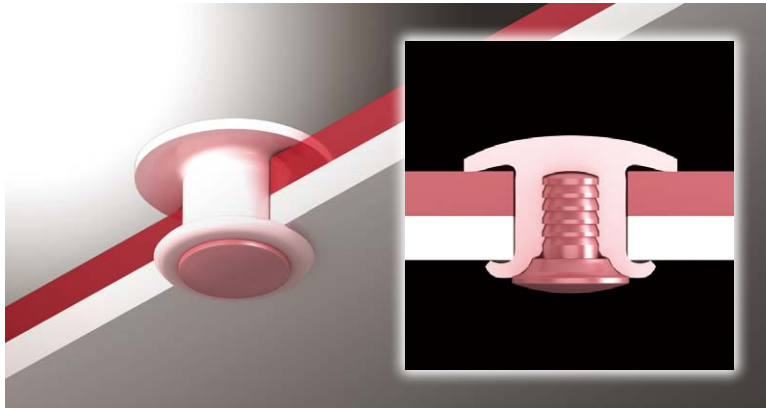
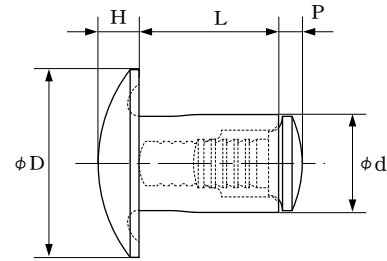


e-Power Rivet



[MOVIE] <http://www.byora.co.jp/index/products/movies/epower.html>

Shape and symbols of standard dimensions

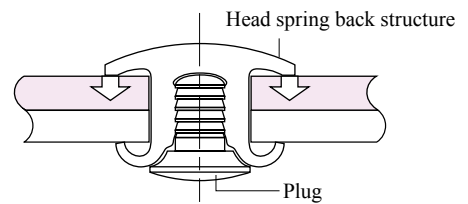


Calculation of under-head shank length

$L = \frac{\text{Shank diameter}(d) \times \text{Coefficient}(0.6) + \text{Material thickness}(t)}{*1}$

*1. Shank diameter (d) x 1 = swaging margin (K)
*2. The length obtained by this calculation shall be used as a guide.

Fastening using spring back



The effect of the plug and the head "spring back structure" prevents loosening of the fastened joint.

Specification table

Unit (mm)

Nomal diameter ^{*1}	d		D		H		P ^{*2} Dimension	L			Recommended work hole diameter		Strength(kN)	
	Standard	Tolerance	Standard	Tolerance	Standard	Tolerance		Min	Max	Tolerance	Standard	Tolerance	Tensile	Shear
3	3	+0.2	5.8	±0.2	1.2	±0.1	1	5	15	±0.2	3.2	+0.1 0	0.17	0.21
5	5	-0.1	9.6		2.1		1.3	7	25		5.4		0.58	0.82

*1. Please ask us for different nomal diameter. *2. The P lengths are given as guidelines.

Remarks) A selection of materials, such as POM, PP and PA, are available to suit various purposes.

Note) (1) The strength values above are results of measurement using POM.

(2) The strength may be reduced when the rivet is fastened with a low ambient temperature or when it is used for some purposes.

Please ask us.

(Testing ambient temperature: 23°C)