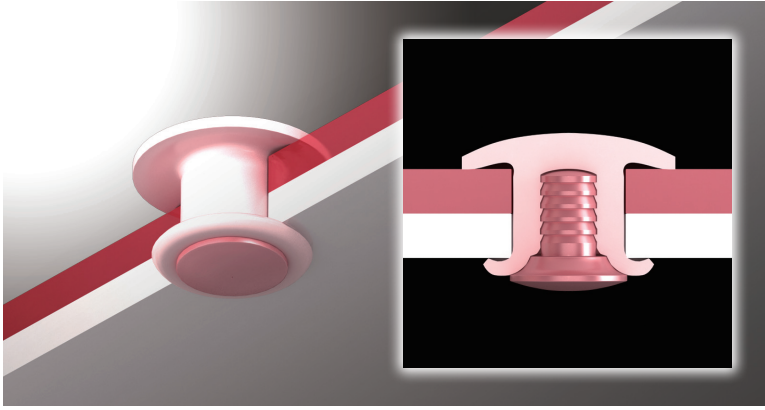
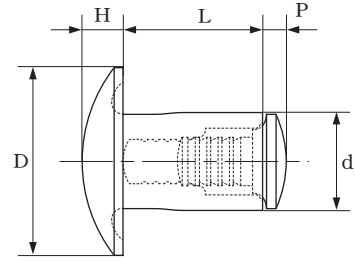


# e-Power Rivet



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

## Shape and symbols of standard dimensions

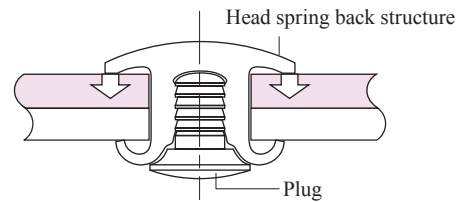


## Calculation of under-head shank length

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

\*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 <sup>*1</sup>	d		D		H		P <sup>*2</sup> 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.

(Testing ambient temperature: 23°C)

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.