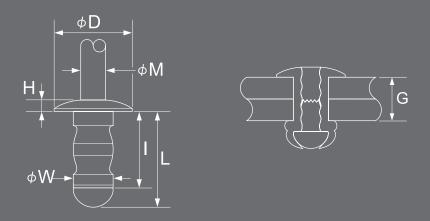
## TECHNICAL SPECIFICATION - Multi-Grip -

[Symbols of standard dimensions and installation diagram]



## **SPECIFICATION TABLE**

## ALU / STEEL DOME HEAD

Sleeve diameter	Mating hole diameter	Recommended fastening range	l (in)	L <sup>*1</sup> (in)	D (in)	H (in)	M (in)	Strength <sup>*2</sup> (kN)	
W (in)	(in)	G (in)	("'')			Dome head	("')	Tensile	Shear
0.126	0.130 <sup>+</sup> 0.0039 0	0.031 ~ 0.185	0.319	0.402	0.252	0.039	0.076	1.0	0.7
		0.157 ~ 0.311	0.437	0.520					
0.157	0.161 <sup>+ 0.0039</sup> 0	0.047 ~ 0.248	0.366	0.465	0.315	0.047	0.095	1.5	1.1
		0.157 ~ 0.374	0.512	0.610					
		0.252 ~ 0.500	0.709	0.807					
0.189	0.193 <sup>+</sup> 0.0039 0	0.063 ~ 0.252	0.413	0.528	0.374	0.059	0.116	2.5	1.7
		0.189 ~ 0.449	0.622	0.736					
		0.331 ~ 0.500	0.705	0.819					
		0.500 ~ 0.780	1.020	1.134					

Sleeve: Aluminum A5052, Mandrel: Hard steel wire / zinc plating

## STEEL / STEEL DOME HEAD

Sleeve diameter W (in)	Mating hole diameter (in)	Recommended fastening range G (in)	l (in)	L <sup>*1</sup> (in)	D (in)	H (in)	M (in)	Strength <sup>2</sup> (kN)	
						Dome head		Tensile	Shear
0.126	0.130 <sup>+</sup> 0.0039 0	0.031 ~ 0.185	0.319	0.402	0.252	0.039	0.080	1.3	1.1
		0.157 ~ 0.311	0.437	0.520					
0.189	0.193 <sup>+ 0.0039</sup> 0	0.063~ 0.252	0.413	0.535	0.374	0.059	0.123	3.4	2.6
		0.189 ~ 0.449	0.622	0.744					
		0.331 ~ 0.500	0.705	0.827					
		0.500 ~ 0.780	1.020	1.142					

Sleeve: Steel SWCH / trivalent chromate, Mandrel: Hard steel wire / zinc plating

This product is made to order

- \*1. The L lengths are given as guidelines.
- \*2. The strength values are obtained through our own testing.

Remarks)

- (1) The steel mandrel is plated with zinc. For trivalent chromate plating, please ask us.
- (2) The steel sleeve is plated with trivalent chromate
- (3) The standard dimensions are subject to change without notice
- (4) Please ask us when the required fastening range exceeds the recommended range or when it is near lower limit.