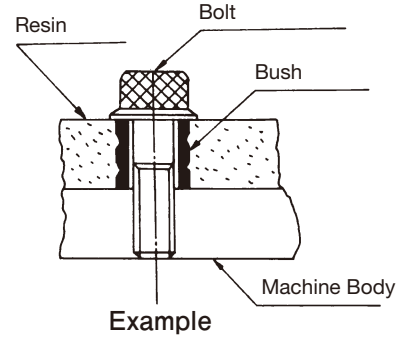
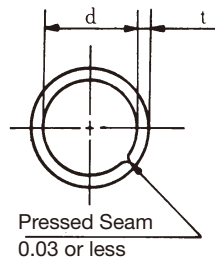
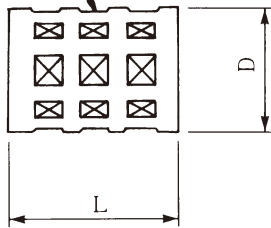


Insert Bushing (Made to Order)



Square Size: approx. 0.6 to 1.5mm
 Number of rows (outside)



Unit: mm

Nominal Diameter	4	5	6	8	10	12
Internal Diameter d	4.3	5.3	6.5	8.5	10.5	12.5
Tolerance Of ID	+0.1 0		+0.1 -0.05			
External Diameter D	5.7	7.1	8.5	10.9	13.5	16.1
Thickness t	0.7	0.9	1.0	1.2	1.5	1.8
Length L		Number of Rows				
4	±0.1	1				
4.5		1				
5		1				
5.5		1				
6		2	2	2		
6.5		2	2	2		
7		2	2	2		
7.5		2	2	2		
8	±0.15	2	2	2	2	2
8.5		2	2	2	2	2
9			3	3	3	3
9.5			3	3	3	3
10			3	3	3	3
11	±0.2			4	4	4
12				4	4	4
13					5	5
14					5	5
15					6	6
16					6	6
17						7
18						7
19						8
20						8

- Remarks:**
1. Indents are shaped square by standard (see fig.) and 1/4t to 1/2t in depth.
 2. Nominal diameter also represents bolt diameter.
 3. Internal diameters are measured by pin gauge.
 4. Numbers in the table represent numbers of rows.

- Notes:**
1. Production of Insert Bushing is available on request (made-to-order).
 2. Diamond, straight, or other knurling patterns also available for indents.

Product code	139	Material code	23...SPC		Part Number Structure (Standardized Product Code)				
			44...A ℓ		Product	Surface			
Surface code	30... Ep-Fe/Zn 5/trivalent CM 2 (trivalent chromate) (SPC)		Hardness						
	01...Material texture (A ℓ)			Material	Nominal Diameter	Length			