



Miniature Bearings

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DU Style Bushes Data

Steel Backed & 316 Stainless Backed

Suitable for dry running, low coefficient of friction, lower wear, good sliding characteristics, forming a transfer film can protect the mating metal surface, suitable for rotary and oscillating movement. High chemical resistance, low absorption of water and swelling. Also performs well with lubrication.

| Style | | Steel Backed (SF-1W) | 316 Stainless Backed (SF-1S) |
|---------------------------------|-----------------|--|--|
| Material | | Steel + Powdered Bronze with PTFE and Polymer Lining (Lead Free) | 316 Stainless Steel + Powdered Bronze with PTFE and Polymer Lining (Lead Free) |
| Load Capacity | Static | 250N/mm ² | 250N/mm ² |
| | Dynamic | 140N/mm ² | 140N/mm ² |
| | Oscillating | 60N/mm ² | 60N/mm ² |
| Speed Limit | Oil Lubrication | 5m/s | 5m/s |
| | Dry Friction | 3.6m/s | 3.6m/s |
| PV Value Limit | Oil Lubrication | 4.0N/mm ² .m/s | 3.2N/mm ² .m/s |
| | Dry Friction | 2.6N/mm ² .m/s | 2.2N/mm ² .m/s |
| Friction Coef <i>u</i> | | 0.04~0.20 | 0.04~0.20 |
| Working Temperature | | -195° C~+280° C | -195° C~+270° C |
| Thermal Conductivity | | 40W/mk | 40W/mk |
| Coefficient of Linear Expansion | | 11 x 10 ⁻⁶ /K | 15 x 10 ⁻⁶ /K |

