

Decorative and Sporting Goods Applications

Coating Portfolio



PVD Coatings:

| Coating Material | TiN | ZrN | TiAlN | TiSiN | DLC | CrN |
|--|--------|-------------|--------|----------|------------|----------|
| Color | ● Gold | ● Champagne | ● Gray | ● Bronze | ● Gunmetal | ● Silver |
| Coating Microhardness (HV 50), ± 200 | 2,200 | 3,000 | 3,000 | 3,800 | 4,000 | 2,000 |
| Coating Thickness range (µm) | 2-5 | 2-5 | 2-5 | 2-5 | 1-2 | 2-5 |
| Coefficient of Friction (dry over steel) | 0.3 | 0.5 | 0.5 | 0.2 | 0.1 | 0.3 |
| Coating Deposition Temperature °C | 400 | 400 | 400 | 400 | 200 | 400 |
| Service Temperature °C (Range or Max.) | 600 | 600 | 800 | 1,100 | 500 | 800 |



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