

Sialon is an engineered ceramics

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1. □ Reduce Cold Flakes □ ("Cold Flakes" : solidified aluminum defect pieces (scattered structure) formed in shot sleeve)

Superior heat-retention. *"It is possible to stop the use of heating equipment "*

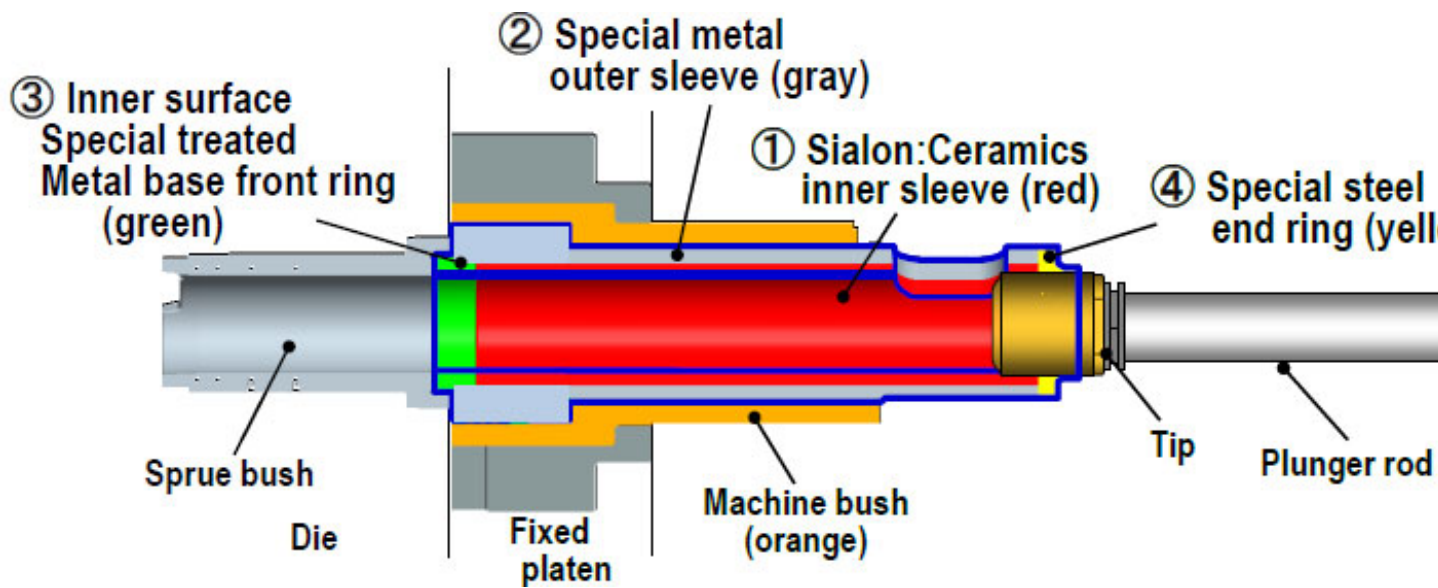
2. □ Stable shots and longer life □ (Especially at High temperature □ 700 □ or 1290 °F)

Less deformation, High corrosion resistance, Erosion resistance and Wear resistance. "It is possible to to eliminate the use of water cooling channel "

3. Energy saving

Sialon's superior heat-retention enables lower molten aluminum casting temperature

Structure :The duplex structure achieves high-performance casting.



Key properties comparison to steel

	Sialon	Steel
Density (g/cm ³)	3.2	7.8
Young's Modulus (GPa)	290	210
CTE 20-800°C (10 ⁻⁶ /K)	3	11
Thermal Conductivity (W/m•K)	17	30

The data in our report do not constitute any kind of warranty or guarantee

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Also, [click here](#) to see Sialon thermocouple protective tubes