



DZR LEAD FREE BRASS

EQUIVALENT SPECIFICATIONS

SPECIFICATIONS	DESIGNATION
ISO	CuZn37
European	CW508L
BS	
JIS	C27450
Russian	

C27450 Lead Free Brass to not only aid in lead free compliance, but to optimize manufacturing efficiencies through productivity & complete recyclability.

TYPICAL APPLICATIONS

- Potable water components, fixtures & applications
- PEX plumbing applications & systems
- Forged products requiring lead free &/or dezincification compliance

ADVANTAGES

- Good machineability
- Excellent ability to Thread Roll
- Dezincification Resistant
- Excellent forgeability
- Excellent Brazing & Plating

CHEMICAL COMPOSITION

	Cu	Pb	Fe	Zn	Others
Min/Max	60-65	<0.25 (max)	0.35	Rem	<0.5
Nominals	63.00			37.00	

MECHANICAL PROPERTIES

Rod H02	Tensile Strength (ksi)	Yield Strength (ksi)	Elongation (%)	Hardness (Rb)
	58	40	30%	55-75

FABRICATION PROPERTIES

Soldering	: Excellent
Brazing	: Excellent
Cold working	: Excellent
Plating	: Excellent
Forgability	: 95
Machinability	: 70

SIZES AVAILABLE

Wire	: 1mm To 8mm
Hollow rods	: Min Bore Size 20 mm and Max OD 100 mm
Round rods/bars	: 6mm To 130 mm
Hex	: 5mm To 60mm
Square	: 4mm To 60mm
Flat	: 5mm Min Thickness and max Width 120 mm
Profiles/sections	: As per Customer Drawing
Billets	: Up to 200 mm
Ingots	: As per Specification

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