

ER-BAK METAL

MATERIAL CLASSIFICATION	EN 12164
EUROPEAN NORM / SYMBOL CODE	CuZn39Pb3/CW614N
CHEMICAL COMPOSITION (%)	
Cu	57.00-59.00
Pb	2.50-3.50
Al	0.05 (max)
Fe	0.3(max)
Ni	0.3(max)
Sn	0.3(max)
Zn	The rest
The others	0.2(max)
RELATED NATIONAL STANDARDS	
U.S.A (UNS)	C38500
GERMAN (DIN 17660)	CuZn39Pb3/2.0401
ENGLISH (BS 2872)	CZ121Pb3
FRENCH (NF A 51)	CuZN40Pb3
MANUFACTURING	
MACHINABILITY INDEX (%)	100
COLD WORK	Weak/ Medium
HOT WORK (°C)	Good
HOT WORK TEMPERATURE	700-800
TYPICAL MECHANICAL CHARACTERISTICS	
TENSILE STRENGTH (N/mm ²)	360-550
EXTENSION %	8-20
HARDNESS (HB)	90-150
RELATED EUROPEAN STANDARDS	
EN 12164: Bras for Automats	
EN 12165: Formable and non-formable forging drafts	
EN 12167: Bars with profile and rectangle cross-sections for General purposes	

