

ER-BAK METAL

MATERIAL CLASSIFICATION	EN 12165
EUROPEAN NORM / SYMBOL CODE	CuZn40Pb2/CW617N
CHEMICAL COMPOSITION (%)	
Cu	57.00-59.00
Pb	1.60-2.50
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)	C37710
GERMAN (DIN 17660)	CuZn40Pb2/2.0402
ENGLISH (BS 2872)	CZ122
FRENCH (NF A 51)	-
MANUFACTURING	
MACHINABILITY INDEX (%)	90
COLD WORK	Medium
HOT WORK	Good
HOT WORK TEMPERATURE (°C)	700-800
TYPICAL MECHANICAL CHARACTERISTICS	
TENSILE STRENGTH (N/mm ²)	avr. 350
EXTENSION %	avr..15
HARDNESS (HB)	min 80
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	

