

Hardened Steel Bushings for Excavator Bucket and Digger Bucket

Introduction



Sino Bronze hardened steel bushing working as bucket bushing, cylinder bushing and cushion bushing, refers to a ring sleeve that acts as a gasket and is used as a matching part outside of mechanical parts to achieve sealing and wear protection.

The flexibility of the bushing is relatively high, and it can play many roles. Its use can reduce equipment wear, vibration and noise, and has the effect of anti-corrosion.

Bucket Bushing is a good choice for machine protection.

To specify, sinobronze hardened steel busings are widely used in the following fields:

- Earth movement machinery (excavators, loaders, etc...)
- Drilling machinery
- Farming machinery (power harrows, ploughs, rear excavators, etc..)
- Equipment (grabs, buckets, grippers etc)
 Hydraulic cylinders (protection against wear of
- bottoms and eyelets)

 Consumables in industrial washing machines.
- Sliding guides for industrial presses.
- . Components for suction pumps (sliding seats for
- Corteco and/or sealing rings).

 Components for machine tools and/or automatic
- machines.

 Pumps and industrial presses.



All Size in "mm"



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Basic Dimensions and Tolerances of SinoBronze Hardened Steel Bucket Bushings

d	D8	D	s7	L 0/0.5										
				20	25	30	35	40	50	60	70	80	100	120
30	+0.098 +0.065	38	+0.068 +0.043	•	•	•	•	•						
30		40		•	•	•	•	•	•					
32	+0.119 +0.080	42		•		•		•						
35		45		•	•	•	•	•	•	•				
38		48		•		•								
40		50		•	•	•		•	•	•	•			
40		55	+0.083 +0.053	•		•		•	•	•				
45		60				•	•	•	•	•	•			
50		60					•	•	•	•	•			
50		62				•		•	•	•	•			
50		65				•		•	•	•	•	•	•	
55	+0.146 +0.100	70	+0.089 +0.059			•	•	•	•	•	•			
60		75				•	•	•	•	•	•	•	•	
65		80				•		•	•	•	•	•	•	
70		85				•	•	•	•	•	•	•	•	
75		90	+0.106 +0.071							•	•	•	•	
75		95								•	•	•	•	
80		95						•	•	•	•	•	•	
80		100						•	•	•	•	•	•	
85	+0.174 +0.120	100								•		•		
90		110	+0.114 +0.073					•	•	•		•	•	
100		120						•	•	•	•	•	•	
110		130	+0.132 +0.092					•	•		•	•	•	•
120		140									•	•	•	•
130	+0.208 +0.145	150	+0.140 +0.100									•	•	•
140		160											•	•
150		170	+0.148 +0.108									•	•	•

Notes: * Standard material: E410 (standard EN10305), E355 (standard EN10297), E470 (standard EN10297)
SAE52100 (GCr15), SAE6470 (UNS K24065), AISI-4140/AISI-4142 (DIN 42CrMo4) hardened steel.

- * All sizes are in Metric " mm ".
- Speical dimenions and toleranes are made to customer' request
- * Surface treatment is optional: 1) Zinc-plating: 2) Phosphate coating: 3) Tip plating



Hardened Steel Bushings for Excavator Bucket and Digger Bucket Possible Oil Grooves, Oil Rings and Oil Holes Plain Bushing with Inside Spiral Oil Groove Plain Bushing with Inside Spiral Oil Groove. Inside Oil Ring & Oil Hole Plain Bushing with Inside Oil Ring & Oil Hole Plain Bushing with Inside Spiral Oil Groove, Plain Bushing Inside & Outside Oil Ring & Oil Hole with Inside & Outside Oil Ring & Oil Hole Plain Bushing Plain Bushing with Inside Plain Bushing with Inside Net-shaped Oil Groove, Net-shaped Oil Groove Inside & Outside Oil Ring & Oil Hole Plain Bushing with Inside Plain Bushing with Inside Spiral-arrayed Oil Pockets Spiral-arrayed Oil Pockets, Inside & Outside Oil Ring & Oil Hole

Plain Bushing with Inside

Straight Line-arrayed

Oil Pockets

Plain Bushing with Inside

Straight Line-arrayed Oil Pockets,

Inside & Outside Oil Ring & Oil Hole



Hardened Steel Bushings for Excavator Bucket and Digger Bucket

Customised Bushinngs We Made for Our Wordwide Customers

Steel Bushings dimensions, tolerances, shapes, oil grooves, oil holes, oil pockets can be machined 100% according to customer designs. Please contact SINOBRONZE sales for detailed information about this type of bushings. Below is some of the steel bushings we manufactured for our customers. Welcome to visit us by www.sinobronze.com!

