



60 rue de la Tuilerie - 38920 Crolles - France  
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## METALBO 14

Steel METALBO 14 is intended for all parts subjected to abrasion by shocks frequent violent ones or intense frictions. This sheet of wear makes wonder for the parts of crushers with shocks and percussion.

### APPLICATIONS

Material of careers, mines, public works. This nuance is advised out of sheets of wear, sheets of discharge of broken stones and stones, hammers and shieldings of breakers and crushers: bars and rings for axes, teeth of cups of shovel-cranes, general purpose excavators.

### CHEMICAL ANALYSIS

C %	Si %	Mn
1.2	0.60	12
	Maxi	14

### MECANICAL CHARACTERISTICS

- Tensile strength: 90/95 Kg/mm<sup>2</sup>
- Limits of elasticity: 35/40 Kg/mm<sup>2</sup>
- Lengthening %: 30/40
- Brinell Hardness : 500 HB

### WELDING

- welding: to avoid the heating and to use austeno-ferritic electrodes or wire
- produced of welding advised : ISARC 1810 - ISARC 310  
ISAFIL 1632G - ISAFIL FLS 703

### HEAT TREATMENT

By work hardening, such as it can occur in service, hardness can go up up to 500 Brinell units and more, while the deep layers preserve their ductility.

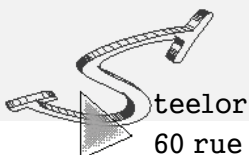
### IMPLEMENTATION

Steel METALBO 14 does not lend itself easily to current machinings because of its natural tendency to work hardening. In the event of absolute need, machinings will have to be led to fallback speed with strong advance, by using carbide-tipped tools or out of high speed steel with Co under abundant watering.

### DIMENSIONS

**Formats** : 1000 x 2000 - 1500 x 3000

**Thickness** : 5 - 6 - 8 - 10 - 12 - 15 - 20 - 25 - 30 mm.



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