



  
Dasa-Rägister  
EN ISO 9001:2008  
IQ-1005-04

# BRAKING MATERIAL FOR DRAWWORK



SELLING OF FRICTION MATERIAL  
FOR BRAKES AND CLUTCHES  
SPECIALIZED LABORATORY  
ON REVISION AND MANUFACTURING  
OF ANY ITEM AND TIPOLOGY

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**IMA**<sup>®</sup>  
 S.R.L.

SELLING OF FRICTION MATERIAL  
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Das-a-Register  
 EN 10904:2008  
 ID: 0004  
**SINCERT**

## MATERIAL SWR

### Description

Is an asbestos free woven material composed by finely carded yarns and brass wire.

Its a dense tough material which exhibits resistance to head and compression under load.

### Applications

- Brake blocks for drawworks
- Clutches and brakes for industrial use
- Various industrial applications
- Brake blocks for pumps

Its oil and grease resistant suitable for light to medium duty operation in oil.

### Rubbing surfaces

Good quality, fine grained pearlitic cast iron with Brinell hardness of 150-200 is recommended.



MOD. IMA CA-SWR

### Physical properties

- Density g/cm<sup>3</sup> **1.61**
- Hardness (SHORE-D) **60-70**

### Mechanical properties

- Ultimate tensile strength (ASTM D638) **kg/cm<sup>2</sup> 246 (6.35 thickness)**
- Ultimate flexible strength (ASTM D790) **FLEXIBLE**
- Ultimate shear strength (ASTM D732) **kg/cm<sup>2</sup> 443 (4.75 thickness)**

### Friction properties

- Friction coefficient (dynamic)  $\mu$  (See graph) **0.55**

### Recommended operating range

- Maximum velocity (m/s) **15.24**
- Maximum Unit Pressure (kg/cm<sup>2</sup>) **14**
- Max. continuous temperature (C°) **288**
- Max. intermittent temperature (C°) **235**
- Minimum C° **-23**

## GRAPH

$\mu$  (FRICTION COEFFICIENT) VS TEMPERATURE

