

## Wingate Alloys Winco Mang 11-14% Manganese, Work Hardening Steel

Category : Metal , Ferrous Metal , Alloy Steel , Nonferrous Metal , Magnesium Alloy

### Material Notes:

A non-magnetic alloy steel that work hardens under severe impact conditions. Advantages: Provides longer life in shot blast cabinet operations. Winco Mang's resiliency will prolong use of steel shot and result in greater efficiency. Can be torch cut, welded with a high tensile electrode-a stainless steel rod, AWS E308-16 or E310-15, is recommended. A high manganese rod (11-14)% can also be used with satisfactory results. Winco Mang can be formed cold for most applications. Applications: Shot blast equipment, guide rails, pangborn liners, chute liners, wheelabrator parts, hoppers, foundry shakeout machines, crusher liners, bucked teeth and crusher hammers. Information from Wingate Alloys Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Wingate-Alloys-Winco-Mang-11-14-Manganese-Work-Hardening-Steel.php](http://www.lookpolymers.com/polymer_Wingate-Alloys-Winco-Mang-11-14-Manganese-Work-Hardening-Steel.php)

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	180 - 200	180 - 200	
	550 - 600	550 - 600	work hardened
Tensile Strength	1070 MPa	155000 psi	
Elongation at Break	75 %	75 %	2[in]
Reduction of Area	55 %	55 %	

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