



WINDLASS ENGINEERS & SERVICES, INC.

7042 Satsuma Dr
Houston, TX 77041
Ph: (713) 680-3338
Fax (713) 680-3328
sales@windlassengineers.com
www.windlassengineers.com

Material Certificate

Item Description: Hammer Union, 3" FIG 200, Threaded Ends , Std. Service
Cold Working Pressure: 2000 PSI
Batch Number: HU180135
Quantity: 990 Nos.

Bill of Material

Item	Material Grade	Heat Number
MALE	ASTM A 105	AAF3, AAF4, 675 H, AAE3
FEMALE	ASTM A 105	AAF4, AAE4
NUT	ASTM A 105	303, 379

Checked By Manager QA

Windlass Engineers & Services