



WAH BRASS MILL



60 Years of Premium Quality Brass Production

www.wahbrass.com

PRODUCT CATALOGUE

60 Years of Premium Quality Brass Production

| Introduction

We take pride to Introduce **WAH BRASS** Mills (Pvt) Ltd, formerly known as POF Brass Mills. WAH BRASS is engaged in producing premium quality brass conforming to international standards, since 1954, for Pakistan Ordinance Factories and various other organizations of repute, as well as exporting to international markets.

WAH BRASS owns newly installed production facility, equipped with state of the art machinery, originated from EU, producing premium quality brass with efficient manufacturing that could best satisfy the needs of our valued customers.

WAH BRASS is capable of casting 24000 MT, which distinguishes us as one of the largest Brass producing concerns in South Asia. WAH BRASS offers a vast range of copper & copper alloys such as Brass, Gilding Metal and Gilding Metal Clad Steel catering needs of major industries in domestic and international markets.

WAH BRASS is a name of superior quality, experience, variety and large production capacity to cater in time delivery. WAH BRASS, being producer of preeminent brass products has human capital having proven skills in foundry, extrusion, rolling and heat treatment.

At **WAH BRASS**, it is firmly believed that the best solution could only be offered by observing, listening and learning from customer.

| Quality

At **WAH BRASS**, quality ranks higher among all priorities. An in house Met Lab is a part of WAH BRASS, equipped with most recent analytical equipment of the day. WAH BRASS having in place the supply chain management systems coupled with QC, right from the supply of raw materials from the source to the supply of finished goods from our works, continuous sampling, testing and verification are conducted throughout the manufacturing process to ensure the quality is conforming to international standard.

With our Quality Policy serving as the foundation, **WAH BRASS** takes an unyielding approach on quality. The quality guidelines are reviewed periodically for up-gradation to stay in compliance with the most international standards set for quality conformation worldwide.



Product Mix

- ◆ Brass Ingots / Billets
- ◆ Brass Coil
- ◆ Brass Strip
- ◆ Brass Sheet
- ◆ Brass Foil
- ◆ Gilding Metal Coil
- ◆ Gilding Metal Strip
- ◆ Gilding Metal Sheet
- ◆ Gilding Metal Clad Steel Coil
- ◆ Gilding Metal Clad Steel Strip
- ◆ Gilding Metal Clad Steel Sheet
- ◆ Brass Rods Round / Hexagonal / Square
- ◆ Copper Rods Round / Hexagonal / Square
- ◆ Brass Tubes
- ◆ Copper Tubes
- ◆ Brass Pipes
- ◆ Copper Pipes
- ◆ Coin Blanks
- ◆ Cups for Small Arms Ammunition
- ◆ Brass Discs for Artillery Ammunition

International Standards

Our products comply with following standards;

- BSI
- ASTM
- Defense Standards
- Mill Specs
- Any other requirement as per customer's order/demand

Industries

- Sanitary Ware and Water Fittings
- Automobiles
- Metal Working / Light Engineering
- Surgical Instruments
- Sporting & Defense Ammo
- Garmenture
- AC & Refrigeration
- Ornamental
- Musical Instruments Industry

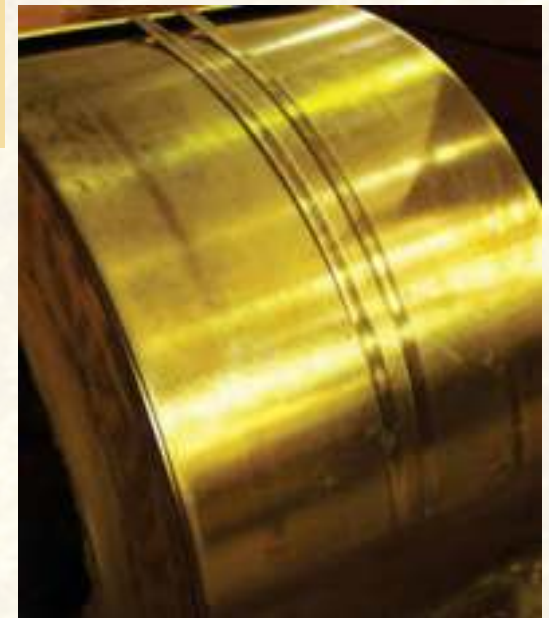
Ingots & Slabs

Size Range				Composition Range
Length	Width	Thickness	Weight	
1 Meter	280 mm	120 mm	0.3 MT	Brass as per: i Def-Stan 95-9 (70/30) (Latest) ii IU-92 (60/40 Leaded) Gilding Metal (90/10) as per: Def-Stan 95-11 (Latest) Pure Copper as per: QQC-576 (Latest)
1 Meter	280 mm	160 mm	0.4 MT	
1 Meter	340 mm	120 mm	0.35 MT	
1 Meter	650 mm	120 mm	0.67 MT	
3 Meter	320 mm	175 mm	1.5 MT	Cupro-Nickel Will be produced as per requirement of customer. Customized composition is also offered
3 Meter	340 mm	175 mm	1.6 MT	
3 Meter	450 mm	175 mm	2 MT	
3 Meter	630 mm	175 mm	3 MT	
6 Meter	630 mm	175 mm	6 MT	



Brass/Copper/Gilding Metal/ Gilding Metal Clad Steel

Plates/Sheets/Strips/Coils <ul style="list-style-type: none"> • Brass • Copper • Gilding Metal • Gilding Metal Clad Steel 	Thickness	0.2 - 13mm (Plates up to 30mm)	As per Def-Stan 95-9 (Latest) BS-2870 or EN-1652 or Conforming to customer's requirements.
	Width	20 - 630mm	
	Coil Weight	1.2 - 2.4 MT	
	Coil Inner Dia	200,350,500,520,800mm (Smaller diameter can also be provided) Products will be supplied finished, heat treated, cut to size with proper wrapping/packing in good quality wrapping papers/cloth	



Tolerance & Thickness

WBM has the capability to manufacture the Strips, Sheets and Foils in the tolerances mentioned below;

0.5mm (incl.)	to	2mm	=	$\pm 0.01\text{mm}$
2.0mm (incl.)	to	4mm	=	$\pm 0.015\text{mm}$
4.0mm (incl.)	to	7mm	=	$\pm 0.03\text{mm}$
7.0mm (incl.)	to	13mm	=	$\pm 0.05\text{mm}$

Brass and Copper Rods

Shapes

- Hexagonal
- Round
- Square

DIA (mm)	Length (mm)	
50 - 125	2400 Max	Extruded
20 - 50	3000 Max	Drawn & Straightened
30 Max*	3000 Max	Drawn & Straightened

*Cross Sections other than Round Shape



Brass And Copper Tubes And Pipes

Outer Dia (mm)	Wall Thickness (mm)	Length Max (mm)	
36 - 70	2.0 - 3.0	4000	Drawn, straightened and extruded
70 - 90	3.0 - 6.0	3000	Drawn, straightened and extruded
90 - 158	4.0 - 8.0	2000	Extruded



Coin Blanks

WahBrass has earned a reputation as a trusted supplier of coin blanks to the National Institution. The company secured contract from the Pakistan Mint for the coin blank manufacturing in 2003.

Wah Brass with its well-proven technologies and high-performance state of the art machines can fulfill the demands of any mint around the world. Production includes coin blanks from non-ferrous alloys (copper-nickel, brass alloys).



Defence Products

BRASS DISC

Brass Discs	Diameter	70 - 308mm	As per Def-Stan 95-9 (Latest) or Conforming to the customer's requirements
	Thickness	15 - 24mm	
	Weight	0.5Kg - 15kg	

Brass Disc 25mm PDR

Size: 6.31 Inches +/- 0.0025 Inch DIA x 0.56 Inch +/- 0.005 Inch Thick

Brass Disc 30mm

Size: 70mm ± 0.4mm DIA x 15.24 - 0.25mm Thick for Case Cartg

Brass Disc 37mm

Size: 79.76mm - 0.38mm DIA x 15.24 - 0.25mm Thick for Case Cartg

Brass Disc 57mm

Size: 140mm +/- 0.2mm DIA x 22mm +/- 0.1mm Thick for Case Cartg

Brass Disc 105mm HE HOWITZAR

Size: 180.975mm + 0.254mm DIA x 13.2mm +/- 0.254mm Thick

Brass Disc 105mm HE TK / APFSDS

Size: 240.66mm - 0.4mm x 20.3 - 0.25mm

Brass Disc 122mm HOW HE & HE TK & APFSDS

Size: 200mm +/- 0.1mm DIA x 17 +/- 0.1mm Thick for Case

Brass Disc 125mm HE TK & APFSDS

Size: 215mm +/- 0.1mm DIA x 18 +/- 0.1mm Thick for Stub Base

Brass Disc 130mm

Size : 308mm + 1.5mm DIA x 24 +/- 0.1mm Thick



BRASS CUPS FOR CASES & BULLETS

Cups for Case	Small arms ammo Calibers <ul style="list-style-type: none"> • 7.62 x 54mm • 7.62 x 51mm • 7.62 x 39mm • 5.56 x 45mm • 9.00 x 19mm 	Complying to NATO Standards
Cups for Bullet	<ul style="list-style-type: none"> • 7.62 x 54mm • 7.62 x 51mm • 7.62 x 39mm • 5.56 x 45mm • 9.00 x 19mm 	Complying to NATO Standards



BRASS STRIP / GM STRIP AND GMCS STRIP

Brass Strips

62 - 0.5 x 9.5 + 0.2mm Thick for 23mm
 65 - 0.5 x 8 + 0.5 x 2000mm for 20mm
 Cold Rolled 3.988mm for 7.62 x 51mm
 Cold Rolled Finished 3.048mm for 9 x 19mm
 Cold Rolled Finished 3.7 ± 0.04mm Thick x 117.35 + 1mm for 5.56mm
 Cold Rolled 3.25/3.35mm + 0.06mm Thick x 98.425 + 1.5mm Wide for 7.62 x 39mm

Gilding Metal Strip

1.397 ± 0.02mm Thick x 134mm Wide for Ball Bullet 7.62 x 51mm
 0.5 ± 0.02mm x for Bullet 9mm 1Z & 2Z
 0.82 ± 0.025mm Thick x 10 + 1mm Wide for Bullet 5.56mm
 0.92 ± 0.04mm Thick x 134.5 + 0.06mm Wide for Bullet Cups 7.62 x 39mm

Gilding Metal Clad Steel Strip

1.686 ± 0.025mm Thick x 94mm Wide for Tracer Bullet 7.62 x 51mm
 1.15 + 0.05mm Thick x 135mm Wide for Bullet Cup 7.62 x 54mm
 3.1 - 0.1mm Thick x 139.5 - 2mm Wide for Case Cup 7.62 x 39mm
 0.99 + 0.07mm Thick x 135 - 2mm Wide for Bullet Cup 7.62 x 39mm
 1.37 - 0.07mm x 124mm Wide for 12.7mm API/APIT
 2.9 - 0.1 x 139.5 - 2mm Wide for 12.7mm API/APIT
 49 + 0.05mm Wide x 1.02 - 0.02mm Thick 37mm

Copper Strip

3.5 + 0.1mm Thick x 104 - 0.2mm Wide for Copper Cone (QQC-576A)
 3.1 ± 0.05mm Thick x 105mm Wide For Funnel (RPG-7)

In addition to the above any other sizes and tolerance could be offered as per customer's demand.







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