

Miscellaneous Products

Non-Ferrous Products



Brass, Copper, Gilding metal, extruded & rolled materials.

1. Rods, Bars & Wire Round 65 to 125 mm dia.
2. Hexagonal, square 6.5 to 65 mm across flats
3. Tubes Round 6 to 90 mm outer dia.
4. Square Tubes 27 to 90 mm outer dia.
5. Various shapes Area of cross section up to 64 sq. cm.
6. Plates 6.5 to 65 mm thickness
7. Strips 0.50 to 6 mm thickness



8. Foils 0.05 to 0.75 mm thickness
9. Sheets/Strips 0.5 to 25 mm thickness 25 mm to 600 mm in coil up to 600 kgs.



10. Gilding Metal clad steel strip 0.5 mm to 0.9 mm thickness, 250 mm wide in coils or strips.



11. Disc (Brass) For Cal. 30, 37, 100, 105, 122, 130, 125, 57 & 122 D-30

12. Ingots Brass, Copper
Phosphorised and Gilding
Metal to International
Standard Specifications Billets sizes:-

i) 177 mm x 75 mm x 1M

ii) 300 mm x 75 mm x 1M

iii) 650 mm x 120 mm x 1M

iv) 340 mm x 120 mm x 1M

v) 280 mm x 160 mm x 1M

vi) 200 mm x 200 mm x 1450 mm



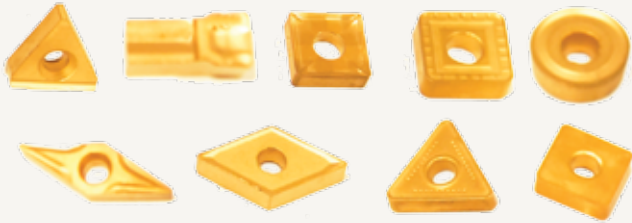
Tungston Carbide Products

Cemented Carbide Cutting Tools for Machining

A

i. Indexable Inserts (ISO Standard)

In all shapes and sizes and grades P, M & K (Coated, Uncoated)



Applications

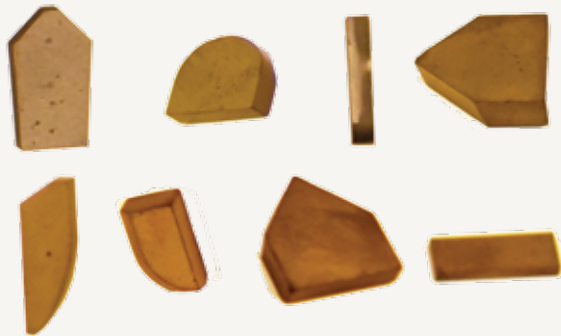
Used for Machining operations (Turning/Milling) of steel, alloy steels, steel castings, cast iron and all ferrous and non-ferrous metals on conventional and CNC Machines for rough cutting and High Finishing.

Coated Inserts: Extra Hard and wear Resistant multilayer coating titanium Carbide to Enhance tool life by 200-300% witch allows deeper cuts, faster feeds and higher speed.

B

i. Brazable Tips

In ISO Standard, Chinese Standard



Brazable Tips for machining (Turning/Grooving/Parting) all ferrous and non-ferrous metals.

ii. Brazed Tip Tools

In All Sizes / Shapes of Shanks, having any shape and Grade of T.C Tip

Used for machining on conventional machines.

C

i. Sintered Carbide Nibs / Die Blanks

Draw Dies
Blanking and Cupping dies
Extrusion dies
Stamping dies
Forming dies

Die Blanks in all ISO Grades



Available Size Range

	MIN.	MAX.
Ø OUTER =	4 mm	150 mm
Ø INNER =	2 mm	130 mm
HEIGHT =	4 mm	75 mm

D

I. Special Tungsten Carbide Products / Wear Parts

Nozzles for Blasting



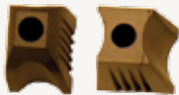
Mechanical Seal for Centrifugal Pumps.



Cutters for Polyester Fiber/Cigarette Industries.



T.C Cores for Ceramic Industries



T.C Teeth / Plates for Shaving Blade Industries.



Cutting Bits for Asbestos Pipes/Sheets Industries.



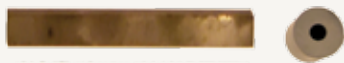
Special Tips for turning of Railway wheels/Sugar rollers for Sugar Industries.



Surgical Tips (Without Serration) for Surgical Industries.



Wear resistant Linings/Bushes



Also any other Carbide Part required by the Customer.

E

I. Industrial Gasses

Compressed Hydrogen (H₂),

Purity = 99.95%, 99.99%

Compressed Oxygen (O₂),

Purity = 99.8%

Plastic Packing Materials



POF's specializes in the supply of a wide range of sophisticated plastic packing and products for various ammunition. All the products produced undergo strict quality checks from raw materials to final product stage. All the products can be supplied in customized colours. Specifications of regular plastic products are given below:

S.No.	Product	Used For	Storage Capacity	Weight Empty	Weight Filled	Material
1.	BOX H-10P	7.62 x 51 mm link belt Ammo.	250 x link belted rds.	1.30 kg ± 50 gms	8 kg	ABS
2	BOX H-14P	<ul style="list-style-type: none"> 7.62 x 51 mm CTN Ammo. 12.7 mm Ammo .50 browning Ammo. 	100 x 7.62 x 51 rds.	3.475 kg ± 50 gms	28.75 kg	ABS
3	18 /PA -1 TRIPLET Carrier	81 mm Mortar bomb (HE)	03 x Mortar bombs	1.330 kg	10.930 kg	LDPE
4	60 mm TRIPLET Carrier	60 mm Mortar bomb (HE & ILLU)	06 x Mortar bombs	1.235 kg	9.215 kg	LDPE
5	76 / PA-1 TUBLAR Packing with LIDS	120 mm Mortar bomb	01 Mortar bomb with Aug. Charge	1.3 kg	19.3 kg	HDPE & LDPE
6	52 / P Ammo. Container	Packing for Hand Grenade MK 1AP HE P2A1	01x Grenade	0.1 kg	0.6 kg	LDPE
7	54 / P MK1 Ammo. Container	Target Indication Grenade	01 x Tgt. Grenade	0.1 kg	0.45 kg	LDPE
8	Holding Tray	<ul style="list-style-type: none"> 9x19 mm Parabellum Ammo. 30 mm Ammo 	50 rds.	0.20 gms	-	ABS
9	PPRC & HDPE Pipes	20 mm to 63 mm	13 ft. Length / 200 mtr coil	-	-	PPRC / HDPE

Research & Development

A lot of focus is placed on R&D in POF regarding the new product development as well as the improvement in the existing inventory. POF gets R&D projects from Pakistan Armed Forces as well as from the customers around the world. Some of the areas where POF has made technological developments are as following:

Sr. #	Name of Projects and
1.	Design and Development of NATO Electronic Pressure Velocity Action Time (EPVAT) System for 7.62 x 51 mm Ammo.
2.	Development of latest Closed Vessel Test System (CVT).
3.	Development of ETSQ Fuze for 155 mm HOW as replacement to MTSQ Fuze (Imported American).
4.	Development of Rechargeable Battery Pack for POF Eye.
5.	Development of State-of-the-art Primer Action Time Measurement System (20x102 mm for Helicopter & F-16).
6.	Audio Video Communication System of (POF Eye Gun System).
7.	Development of Ballistic Data Measurement System for Shot Gun Ammunition Factory.
8.	Design Analysis of Steel & Brass Stub Base 125 mm APFSDS anti-tank ammunition using ABAQUS.
9.	Lead Analyzer

POF can undertake R&D projects from our customer's on case-to-case basis.

Sporting Ammunition

Sporting Ammunition

12 Bore Shotgun Ammunition is being manufactured under the brand name of "Shaheen" and is best known for its quality among professionals and amateurs alike. The cartridge case and WADS are manufactured with special grade plastic (HDPE). Heads and Primers are manufactured with high quality Sheets meeting international standard. NC 1111 is used as the propelling charge to produce smokeless cartridges.

12 BORE SHOTGUN CARTRIDGES



	HUNTING RANGE						
Type of Shell	4	5	6	7	8	SG	LG
Pellets Quantity	200	230	310	390	510	9	6
Pellets Diameter	3.00 mm	2.75 mm	2.60 mm	2.40 mm	2.21 mm	8.43 mm	9.14 mm
Shell Load	31 gms	31 gms	31 gms	31 gms	31 gms	31 gms	31 gms
Shell Length	58 mm	58 mm	58 mm	58 mm	58 mm	64 mm	64 mm
Head Length	8 mm	8 mm	8 mm	8 mm	8 mm	8 mm	8 mm
Velocity (m/sec)	300	300	300	300	300	300	300

PACKING 25 Nos. cartridges are packed in a cardboard carton. 400 Nos. cartridges are packed in 16 cartons and further stuffed in a single sold board box, as follows:

Solid Board Box Size:
For shot # 4 to 9 & BB Gross wt:
Solid Board Box Size:
For Super/Excel Gross wt:

L 333 mm x W 180 mm x H-222 mm
18.5 Kg.
L 348 mm x W 182 mm x H-222 mm
21.0 Kg.



								TARGET RANGE	
BB	AAA	4S	6S	8S	4E	6E	8E	7T	9Sk
									
76	40	240	360	600	240	360	600	300	480
4.25 mm	5.25 mm	3.00 mm	2.60mm	2.21 mm	3.00 mm	2.60 mm	2.21 mm	2.40 mm	2.00 mm
31 gms	36 gms	36 gms	36 gms	36 gms	36 gms	36 gms	24 gms	24 gms	Load
58 mm	64 mm	58 mm	58 mm	58 mm	64 mm	64 mm	64 mm	58 mm	58 mm
8 mm	8 mm	16 mm	16 mm	16 mm	16 mm	16mm	16 mm	8 mm	8 mm
300	300	340	340	340	320	320	320	300	300

For Super Shots:
For SG/LG & AAA Gross wt:

21.0 kg
19.0 kg