

Carbon

1045 Chrome Plated Shafting

Carbon AISI/SAE 1045 CHROME PLATED SHAFTING	<i>This product is available in both imperial and metric sizes</i>		
C .45	Mn .75	P .030	S .040
Characteristics	<ul style="list-style-type: none"> The basic product is cold drawn, precision ground and polished AISI 1045 shafting with a seam free surface finish of RMS 25 max. The bars are then hard chrome plated by electrolytically deposited layer of chromium metal on the surface. This hard chromed surface confers the important properties of corrosion resistance and wear resistance; it is also very smooth and therefore has a low coefficient of friction. Not least of all, it has an attractive and durable decorative appearance. 		
Typical Applications	<ul style="list-style-type: none"> Hydraulic shafting, pneumatic piston rods, pump shafting, etc 		
Chrome Plating	<ul style="list-style-type: none"> Finished thickness of – .0005" min per side (Winnipeg Branch: 0.001"min per side) Hardness of chrome – Rockwell C 65/70 Yield Strength - 100,000 psi (690 N/mm²) Surface finish – RMS 12 max 		
Tolerances	<ul style="list-style-type: none"> For cold finish tolerances See 1045 TG&P 		
Carbon AISI/SAE 1045 CHROME PLATED	Size Tolerances <ul style="list-style-type: none"> Despite the chrome plating, the same fine minus tolerances of AISI 1045 Precision Ground Shafting apply 		

SHAFTING	<ul style="list-style-type: none"> all tolerances are MINUS
1 1/2" dia. (38.1 mm) and under	Minus 0.001" (.025 mm)
Over 1 1/2" dia. to 2 1/2" dia (63.5 mm)	Minus 0.0015" (.037 mm)
2 1/2" dia. to 3" dia (76.2 mm)	Minus 0.002" (.060 mm)
Over 3" dia. to 4" dia (101.6 mm)	Minus 0.003" (.075 mm)

