

Name of component –**ROLLER PIN**

Drg.no.-5043248

Raw Material: HR carbon steel bar

Size : 22 dia X 19 length

Chemical composition: The melt analysis of steel and the permissible variation in the composition of the finished product from the melt analysis shall be follows:

Element	Melt analysis, percent,		Permissible variation, percent, in product analysis
	Min.	Max.	
Carbon	0.35	0.45	+ 0.02
Silicon	0.10	0.35	+ 0.03
Manganese	0.60	0.90	+ 0.04
Sulphur	---	0.035	+ 0.005
Phosphorus	---	0.035	+ 0.005

MECHANICAL PROPERTIES (In Hardened and Tempered Condition)

Ruling section, mm	Tensile strength, N/mm ²	0.2%/PS/YS N/mm ² , min	Y.E 5.65√So min J,	* IZOD impact min
≤ 30	700 -850	480	17	35 (30)
>30	600-750	380	18	41 (35)

