



## TOLERANCE DATA SHEET FOR SHAFT ASSEMBLIES

Standard Series	Diameter Range	Tolerance	
S - Y - DS - DY - US - UY UDS - UDY - DRS - DRY - SS SY - SDS - SDY - HCS - HCY KS - KY	1 1/2" or Under	+ .000	- .002
	Over 1 1/2" to 2 1/2"	+ .000	- .003
	Over 2 1/2" to 4"	+ .000	- .004
M - DM - UM - UDM - DRM SM - SDM - HCM - KM	4" or under	+ .000	- .002
H - DH - UH - UDH - DRH KH	All Diameters	+ .000	- .001

Metric Series	Diameter Range	Tolerance	
S - Y - DS - DY - US - UY UDS - UDY - DRS - DRY - SS SY - SDS - SDY - HCS - HCY KS - KY	38mm or Under	+ .00	- .050
	Over 38mm to 63.5mm	+ .00	- .075
	Over 63.5mm to 100mm	+ .00	- .100
M - DM - UM - UDM - DRM SM - SDM - HCM - KM	100mm or under	+ .00	- .050
H - DH - UH - UDH - DRH KH	All Diameters	+ .00	- .025

1. Special tolerances can be furnished when shafts are being used for camrol bearings, inch bearings or any special applications. Simply include the required tolerance in the shaft model No. i.e.:
 

Masterline Shaft Assembly  
 Inch # .748 +.000 / -.002 x 3 1/4 - DH  
 Metric # 19M + .01 / -.03 x 80M - DH
2. Different materials, such as S.A.E. 4140, 8620, etc....., can be ordered on request.
3. Different configurations, or combinations of configurations shown in the catalog can be ordered on request. Simply mail or fax prints or sketches for us to quote.
4. Caution: Shafts with lube holes will be weaker than solid shafts. Please consider this in your design applications.
5. Caution: Hex head shoulder screws are provided with larger than normal heads for bearing shoulder considerations only. Use caution when torquing down these screws. Excessive torque may cause threads to break.

All Parts Available In Inch And Metric.