

RULES OF THUMB - STEAM TURBINES

By Neal Wikert

		Material	Specification
Casing Materials	250psig, 500° F	cast iron	ASTM A-278 Cl. 40
	600psig, 750° F	cast steel	ASTM A-216 WCB
	900psig, 825° F	alloy cast steel	ASTM A-217 WC1
	900psig, 950° F	alloy cast steel	ASTM A-217 WC6 (1¼ Cr, ½ Mo)
Shaft materials	Hot rolled	alloy steel	SAE 4140
	Forged	alloy steel	SAE 4340 (ASTM A291 or A668)
	Integral forged	alloy steel	ASTM A-470 Class 7
Discs	Forged	Chrome Moly	AISI 4340
	Integral with shaft	Chrome Moly Vanadium	ASTM A-470 Class 7
Blades	Bar Stock	12% Chrome S.S.	AISI Type 403
Bearing Housings	Cast Iron		ASTM A-48 CL. 30
	Steel	Carbon Steel	SAE 1018, 1020
	Bearing Shells	Carbon Steel	SAE 1018, 1020
	Liners	Babbitt	ASTM B-23 Grade 2

For more information:

Email: RMS@rotatingmachinery.com

Tel: 484-821-0702

Headquarters

2760 Baglyos Cir.
Bethlehem, PA 18020

Houston Office

16676 Northchase Dr., Ste 400
Houston, TX 77060



rotatingmachinery.com

Tel: 484-821-0702

Parts: rms@rotatingmachinery.com

Rotating Machinery Services, Inc. | 2760 Baglyos Circle, Bethlehem, PA 18020 | Tel: 484-821-0702