

Rotostay rope drum and bottom bearing

Not to scale

To Dismantle Drum & Bearing:

Remove the 4 long bolts on top of the drum
Separate the Drum from the foil spigot
Pull the bearings and Rope feeder out from the bottom of the drum
Punch out the roll pin from the thrust nut
Unscrew the thrust nut

To Dismantle Lower Foil:

Remove the Top Bearing from the forestay
Remove the Foil Cap from the top of the foil
Remove the Foil location screw from the base of the foil
Slide the foil spigot/rigging screw stud assembly out from the foil

The last procedure, above, may prove difficult if corrosion has taken place.
Clamp the foil as solidly as possible above the spigot/rigging screw.
Use a propane torch to get the foil VERY hot.
Hammer the spigot plate with a heavy drift to see if movement occurs.
Be careful not to distort the spigot plate or crack the weld in the spigot plate.

If all fails I know of only one rigger with the tools able to do this job (2012):
Barry's Reefing and Rigging Service (Barry.b.j.locke@btinternet.com).
He has fabricated clamps and slide hammers for this specific task.
He also carries some spares. He works in the Portsmouth area.
Note, the forestay cannot be removed intact unless each section of foil is separated and the joining ferrules removed.

