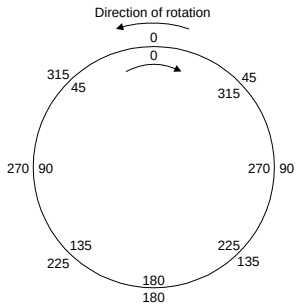
Dual Plane Balancing Worksheet

Degrees per blade = 360/# of blades _____ = _____

Reference Run



Measurement Position A

1x Amp_____ IPS
1x Phase_____°

Measurement Position B

1x Amp_____ IPS
1x Phase_____°

Trial Run #1

Add the trial weight in Plane A and collect data for both position A and B.

Plane A trial weight
Trial weight_____oz/g's
Angle_____°

Position A
1x Amp_____IPS
1x Phase_____°

Position B
1x Amp_____ IPS
1x Phase_____°

Should have at least a 60° phase shift or a 30% change in 1x amplitude. If not, shift trial weight 180° or increase weight by 50% and retake readings

Trial Run #2

Remove the trial weight from Plane A and add the trial weight to Plane B. Collect data for both position A and B.

Plane B trial weight
Trial weight _____oz/g's
Angle_____°

Position A
Overall_____IPS
1x Amp_____IPS
1x Phase_____°

Position B
Overall_____IPS
1x Amp_____ IPS
1x Phase_____°

Should have at least a 60° phase shift or a 30% change in 1x amplitude from reference run. If not, shift trial weight 180° or increase weight by 50% and retake readings.

REMEMBER TO ENTER TRIAL WEIGHT DATA!

Trim Run #1

Remove the trial weights and add the correction weights to Plane A and Plane B at the specified angles and collect data at both position A and B.

Plane A	Plane B
Correction weight _____	Correction weight _____
Angle _____°	Angle _____°

Position A	Position B
Overall _____IPS	Overall _____IPS
1x Amp _____IPS	1x Amp _____IPS
1x Phase _____°	1x Phase _____°

Trim Run #2

Plane A	Plane B
Trim weight _____	Trim weight _____
Angle _____°	Angle _____°

Position A	Position B
Overall _____IPS	Overall _____IPS
1x Amp _____IPS	1x Amp _____IPS
1x Phase _____°	1x Phase _____°

Trim Run #3

Plane A	Plane B
Trim weight _____	Trim weight _____
Angle _____°	Angle _____°

Position A	Position B
Overall _____IPS	Overall _____IPS
1x Amp _____IPS	1x Amp _____IPS
1x Phase _____°	1x Phase _____°

Target value for 1x amplitude is 0.075IPS