Attachment of one vane to shaft

Side view of vane (3 required)
The thickness of the vane is 16 ga.

Bottom end view
The three stainless steel vanes are spaced 120 deg. apart and spiral 120 deg in 10.25" (26 cm) of shaft length.

1/8" (.3 cm) set screw
Area built up for threads

120° 0'
top sheathing

A: bend outside tabs 90 deg

sheathing is 22 ga. stainless steel

front sheathing

B: bend bottom tab 26 deg
B: bend bottom tab to 154 deg
(Bend in the same direction as side tabs)

side sheathing

A: 2 each needed

back sheathing

A: bend side tabs 90 deg
B: bend bottom tab to 132 deg 44'
(Bend in opposite direction from side tabs)
aluminum or stainless steel

front view

top frame

bucket bracket

bucket & pillow block bracket

rear pillow block mount

bucket & pillow block bracket

rear pillow block bracket
motor mount
a: motor shaft to be matched to clutch bar
b: torque requirement for auger 15 in-lbs
c: pulley ratio 3.5/2.0

kitchen strainer mounted under drain cut-out

A-belt, or round belt

bearing (2)