



- 1) Release Pins Fixed to Stationary Component (WHLTWB)
- 2) Steering Pin Fixed to Rotating Component (WHLTW-6F or TW-8F)
- 3) Wing & Steering Arms Rotate about Vertical Axle
- 4) As Force Applied to the Driving Steering Arm, Wing-Arm Assembly Rotates About Vertical Axle as Rotating Component Swivels about Vertical Axle
- 5) When Rotation Causes Interference Between Restraining Steering Arm and Release Pin, the Restraining Steering Arm is Deflected Outward Through Stretching Of the Spring and Allows Passage of the Steering Pin. This Allows Rotating Components To Swivel Freely Until Re-engagement of the Steering Pin Upon Recentering.
- 6) Release Angle Is Controlled By The Profile Of The Steering Arm Which Determines The Angle of Contact With The Release Pin
- 7) Use of Compression Spring (instead of tension type) Maintains Steering Connection If Spring Fails

**MATCO mfg** 

2361 S 1560 West  
WOODS CROSS, UT 84087

NOMENCLATURE  
TAILWHEEL STEERING

MATERIAL

DATE  
08-12-04

PART NUMBER

DRAWING NO.  
TAIL/TW\_STEER.DWG

CHECKED BY SHEET 1 OF 1  
SHEET SIZE A

SCALE

REVISION  
NC

TOLERANCES  
(EXCEPT AS NOTED)

DO NOT SCALE DRAWING  
LINEAR .XX = ±.03  
.XXX = ±.01  
ANGULAR ±1/2  
CONCENTRIC ±.01

DRAWN BY  
G. HAPP

FINISH  
NONE