



	<b>Service Letter SL 42</b>	DO - No. EASA.21J.020
--	---------------------------------	--------------------------

**Subject:** Propeller Designation System

**Propellers Affected:** All MT- Fixed Pitch Propellers and  
MT - Variable Pitch Propellers and Blades

**Condition:** This Information provides a summary of the actual  
Propeller designation system of MT-Propellers

**1. Starrpropeller / Fixed Pitch Propeller**

MT 150 L 90 - 1 A ()

1 2 3 4 5 6 7



- 1: Manufacturer MT-Propeller Entwicklung GmbH
- 2: Diameter in cm
- 3: Sense of Rotation:

R = Right Hand Tractor  
RD = Right Hand Pusher  
L = Left Hand Tractor  
LD = Left Hand Pusher

- 4: Pitch in cm at 0,75 blade radius
- 5: Load limit class
- 6: Hub Drilling for Installation according to Manufacturer's List
- 7: Minor Deviations from item 6

Serial-Number: 00 XXX  
1 2

1 = Year of manufacture)  
2 = Consecutive Number)

Clearance MPL  Date: March 21, 2010	Edition  Date: March 21, 2010	Page 1 of 5
--	--	-------------





	<b>Service Letter SL 42</b>	DO - No. EASA.21J.020
--	---------------------------------	--------------------------



**2.2 Model Designation of Hub:**

MT V - 27 - 1 - E - C - ( ) - ( ) ( ) ( )  
**1 2 3 4 5 6 7 8 9 10**

- 1: MT-Propeller (Manufacturer)
- 2: Variable Pitch Propeller
- 3: Consecutive Number of Basic Type
- 4: Consecutive Number of Series (1 = applicable for MTV-5, MTV-16, MTV-25, MTV-27)
- 5: Code for Propeller Flange

- A = Motorglider engines bolt 7/16" - 20 UNF, circle dia 80 mm
- B = SAE No. 2 mod. bolts 1/2"- 20 UNF
- C = SAE No. 2 mod. bolts 7/16"- 20 UNF
- D = ARP 502
- E = ARP 880
- F = SAE No. 1 bolts 3/8 " - 24 UNF
- G = Special Flange for LOM; circle dia 120 mm
- H = BCD 5.125 inches, twelve 9/16"-18 UNF bolts, 2 index pins
- I = Special flange for Cargolifter; 9/16" UNF bolts
- J = Special Flange for BD-5, circle dia 76,2 mm.
- K = Special Flange for M14 engine; 9/16" - 18 UNF
- L = Special flange for spline shaft;
- M = Special flange for Grob G103; bolt circle 115 mm
- N = BCD 5.125 inches, twelve 9/16"-18 UNF bolts, 2 index pin
- P = Special flange for Rotax 912/914; 1/2"-20 UNF
- R = Special flange for Austrodiesel; 1/2"-20 UNF

- 6: Letter Designation Counterweights:
  - C = Counterweights mounted for pitch change moments towards high pitch/feathering
- 7: F = Feathering System installed
- 8: R = Reversing System installed
- 9: (A) = Reverse System Allison 250 B17-( )  
 (P) = Reverse System Pratt and Whitney PT6A-( )  
 (G) = Reverse System Garret TPE-331-( )  
 (W) = Reverse System Walter M 601-Series
- 10: Capital Letter: Modifications, restricting or excluding interchangeability  
 Small Letter: Modifications not affecting interchangeability

Clearance MPL  Date: March 21, 2010	Edition  Date: March 21, 2010	Page 3 of 5
--	--	-------------



	<b>Service Letter SL 42</b>	DO - No. EASA.21J.020
--	---------------------------------	--------------------------

**2.3 MODEL DESIGNATION OF BLADE:**

( )	( )	200	-	15	( )
<b>1</b>	<b>2</b>	<b>3</b>		<b>4</b>	<b>5</b>

**1: Position of Actuation Pin:**

- C = pitch change pin for pitching moment towards high pitch
- CF = pitch change pin for feathering, pitching moment towards high pitch
- CR = pitch change pin for reversing, pitching moment towards high pitch
- CFR = pitch change pin for feathering, reversing, pitching moments towards high pitch

**2: Sense of Rotation:**

- blank = right hand tractor
- RD = right hand pusher
- L = left hand tractor
- LD = left hand pusher

**3: Diameter in cm**

**4: Consecutive Number of Basic Type (including Aerodynamic Design)**



- 5: Capital letter: Modifications, restricting or excluding interchangeability of blade sets.
- Small letter: Modifications not affecting interchangeability of blade sets.

**2.4 ADDITIONAL INFORMATION HUB AND BLADE DESIGNATION OF PROPELLER**

The serial number of the hub is the serial number of the complete propeller assembly.

Model designation and serial number of the hub have been stamped into the hub body.

The complete propeller designation (hub and blade), the serial number of the hub, data sheet number as well as date of manufacture or latest overhaul are indicated on the nameplate being bonded onto blade 1.

Clearance MPL  Date: March 21, 2010	Edition  Date: March 21, 2010	Page 4 of 5
--	--	-------------



	<b>Service Letter SL 42</b>	DO - No. EASA.21J.020
--	---------------------------------	--------------------------

**2.5 CODE OF SERIAL NUMBER OF HUB**

Example: 10 0017

Consecutive Number  
Year of Manufacture

**Note:**



Any propeller documentation has been listed and kept under the serial number of the hub.

**2.6 CODE OF SERIAL NUMBER OF BLADE**

Example C B - 157

Consecutive number  
Month of Manufacture (A = January, B = February etc.)  
Year of Manufacture (A = 1983, B = 1984, etc, AB = 2010)

The serial number of the blade has been stamped into the corresponding blade ferrule (top view blade root).

Clearance MPL  Date: March 21, 2010	Edition  Date: March 21, 2010	Page 5 of 5
--	--	-------------