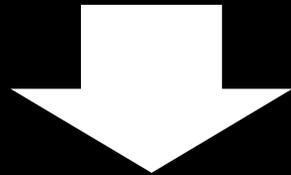


# SUPERFORMANCE GT40

Parking Brake Conversion

Part 1 of 3

Stock Drum Brake



Mechanical Brake Caliper

# Disclaimer

## **Note:**

The following work is performed on the brake system of my car. All the work was performed with needed accuracy and discipline! Materials have been carefully chosen, bolt torque was applied according to specification.

The entire setup worked well on my car. There is no guarantee that the same setup fits and/or works on any other car.

## **Caution:**

The force to actuate the mechanical caliper compared to the stock drum brake is significantly higher! The function of the parking brake is given.

I might investigate that topic in the future.

Rick Muck- Mark IV: „Keep in mind that a mechanical parking brake on a disc caliper requires a LOT of force to actuate. The SPF system may not be capable of the leverage needed to work.....“

<http://www.gt40s.com/forum/superformance-gt40s/29277-show-me-your-emergency-hand-brake-calipers.html#post269623>

# Needed Parts

| Part                                  | Quantity | Description                             |
|---------------------------------------|----------|---|
| Brake Caliper                         | 1        | Left Hand                               |
| Brake Caliper                         | 1        | Right Hand                              |
| Adapter Plate                         | 1        | Left Hand                               |
| Adapter Plate                         | 1        | Right Hand                              |
| Bolts (Adapter Plate to Upright)      | 4        | Hex M10 x 30, Grade 10.9                |
| Bolts (Caliper to Adapter Plate)      | 2        | Hex M10 x 77, Grade 10.9                |
| Bolts (Caliper to Adapter Plate)      | 2        | Hex socket head cap M8 x 62, Grade 10.9 |
| Bolts (Replacment Brake Disc)         | 16       | 5/16" UNF x 1"                          |
| Nuts (Replacment Brake Disc)          | 16       | 5/16" UNF                               |
| Locking rings (Replacment Brake Disc) | 16       | 5/16"                                   |

# Needed Parts > Caliper AP CP4186-11 = Brembo



# Needed Parts > Caliper AP CP4186-11 = Brembo

**P/N 22.5882.11/21**

## HANDBRAKE CALIPER



### TYPICAL APPLICATION

### MOUNTING INFORMATION

#### Trailing

RH **22.5882.12**

LH **22.5882.11**

#### Leading

RH **22.5882.12**

LH **22.5882.11**



BREMBO TECHNIK CENTER  
HS MOTORSPORT & KFZ-TECHNIK

### TECHNICAL SPECIFICATION

Piston Size [mm] **36**

Piston Area [cm<sup>2</sup>] **20.35**

Pad Area [cm<sup>2</sup>] **26**

Pad Thickness [mm] **10**

Pad Family

Disc Thickness [mm] **26 - 32**

Hydraulic Threads **M10x1**

Mounting Hole Center [mm] **92**

Mounting Offset [mm]

Mounting Hole Dia. [mm]

Caliper Body

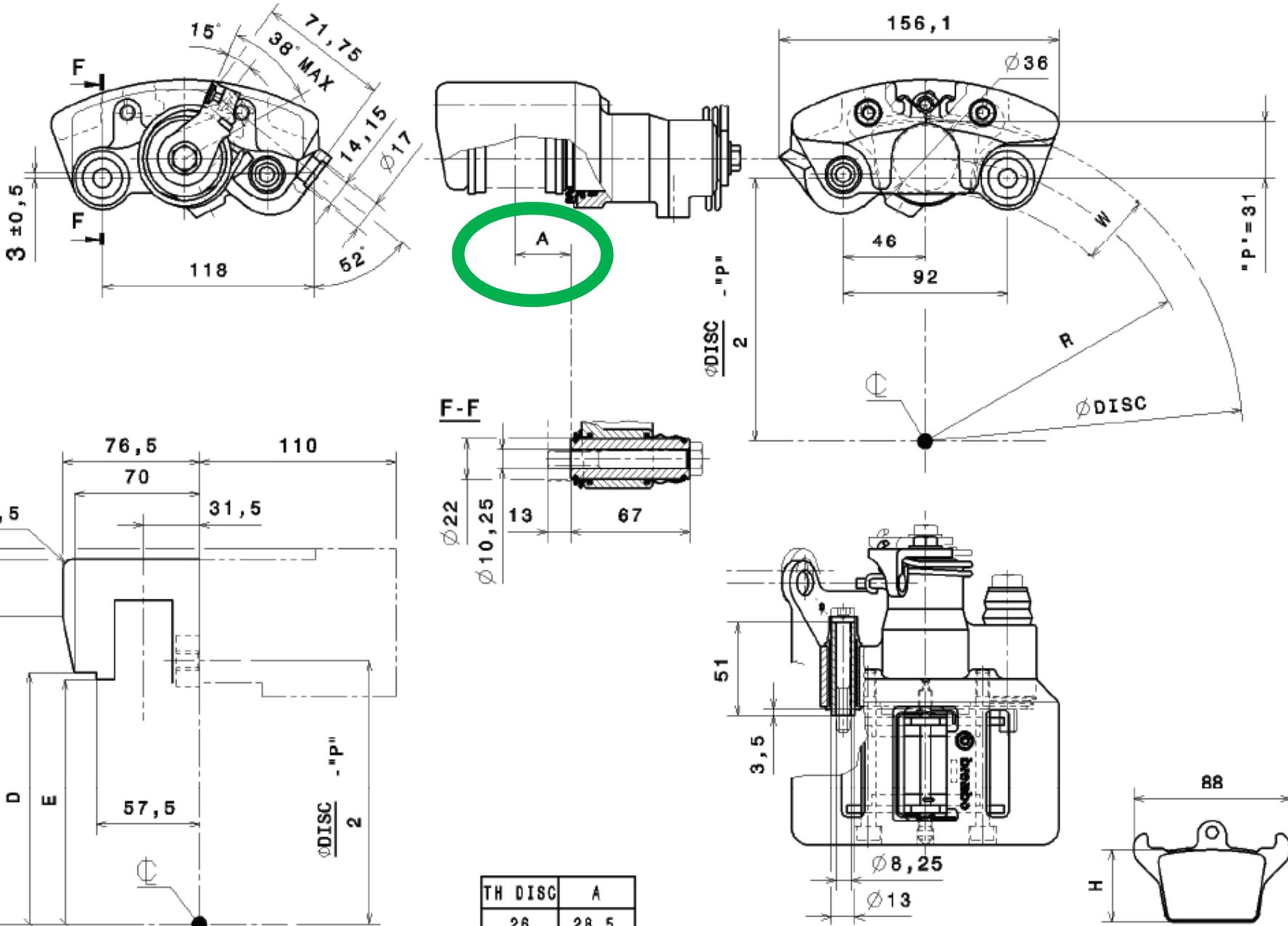
Caliper Material

Piston Insert

Weight [Kg]

Fluid Capacity **20.35**

# Needed Parts > Caliper AP CP4186-11 = Brembo



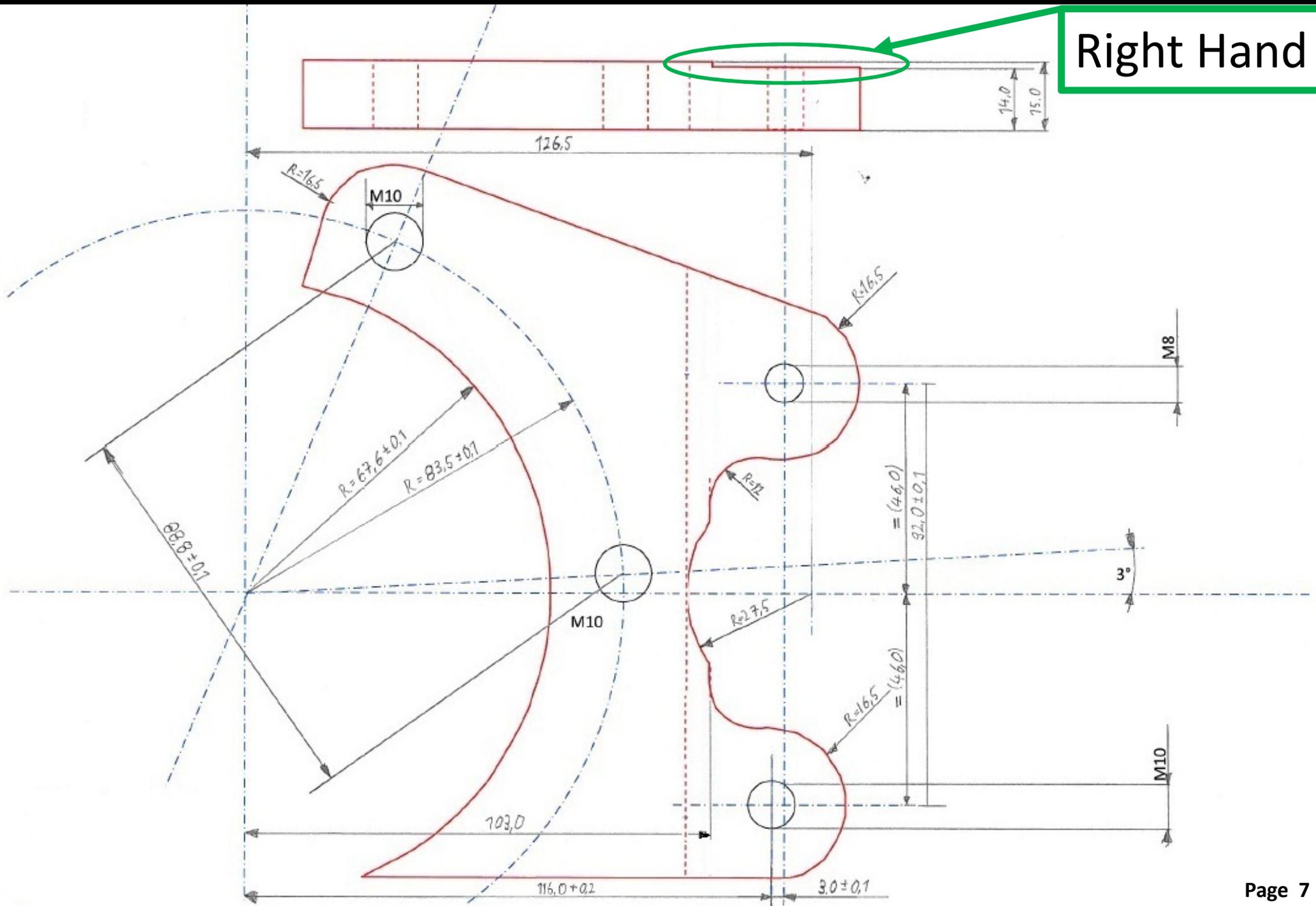
| Ø DISC | A     | B   | C     | D     | E   |
|--------|-------|-----|-------|-------|-----|
| 335    | 196,5 | 191 | 159,5 | 128,5 | 125 |
| 355    | 206,5 | 201 | 169,5 | 138,4 | 135 |

| TH DISC | A    |
|---------|------|
| 26      | 28,5 |
| 28      | 29,5 |
| 30      | 30,5 |
| 32      | 31,5 |

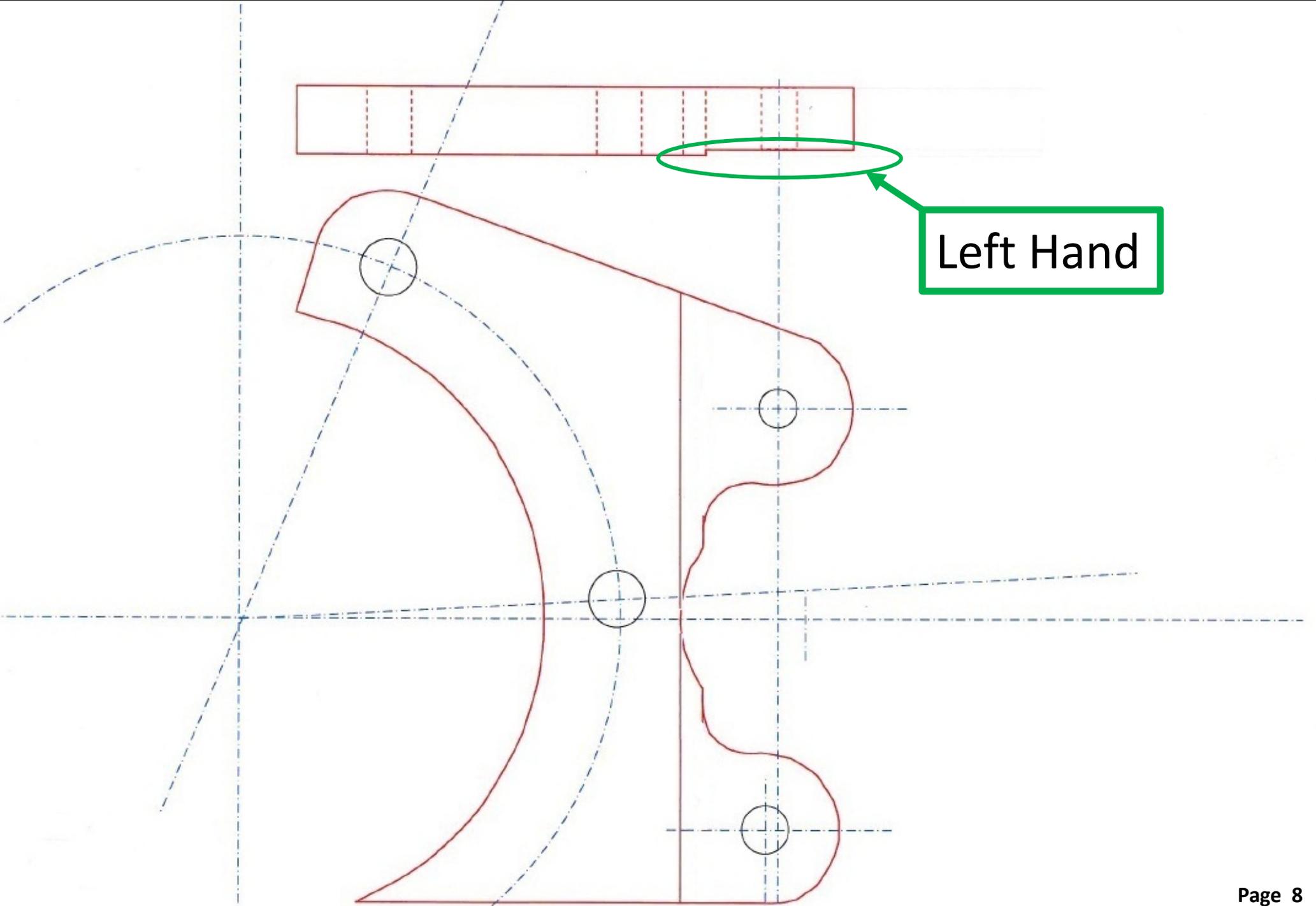
|     | Ø DISC | R   | TH DISC | W(DISC) | H(PAD) | TH PAD |
|-----|--------|-----|---------|---------|--------|--------|
| MIN | 335    | 146 | 26      | 40      | 38,    |        |
| MAX | 355    | 156 | 32      | 40      | 38,    |        |

# Needed Parts > Adapter plate RH

Right Hand



# Needed Parts > Adapter plate LH



# Needed Parts > Adapter plate



Continue with Part 2