



**User manual for frame  
and wheel pressing tools**

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## **Introduction**

- Disassemble all the parts according the particular manual
- Before you start to press in/out the bearing clean the parts
- Make sure that the tools rest flat on the bearing surface
- Clean the bearing seat
- Grease the bearing seat.
- If you start to press make sure that the Tool press only the outer race.
- After force in check the bearing function and make sure that the bearing seal is not damaged

# FRAME

## 1. Seat stay

### 1.0 Bearing out



Use the tool **F 1.0** to press out the bearing and the axel.

### 1.1 Bearing in



Use the tool **F 1.1** to press in the bearing and the axel. Don't forget the grease on the bearing seat.

Bearing Information:

Pos (Box)	7
Article number	114449
Dimension	12x21x5 mm
Modell	301 Mk2 – Mk11 / 601 Mk1 – Mk3 / 901 Mk1 –Mk2
Price	HEK 3,90 € / VK 5,90 €

## 2. Chain stay

### 2.0 Bearing out



Use the tool **F 2.0** to press out the bearing. If you have to fix a MK4 please use the lower section **F 2.0MK4**.

### 2.1 Bearing in



Use the tool **F 2.1** to press in the bearing. If you have to fix a MK4 please use the upper section **F2.1MK4**. Don't forget the grease on the bearing seat.

Bearing Information:

Pos (Box)	3
Article number	110526
Dimension	15x28x7 mm / extended inner racer
Modell	301 Mk9 – Mk11 / 601 Mk1 – Mk3
Price	HEK 4,50 € / VK 6,90 €

Bearing Information:

Pos (Box)	5
Article number	113787
Dimension	15x28x7 mm
Modell	301 Mk1 – Mk3, Mk5 – Mk 8 / 901 Mk1 – Mk2
Price	HEK 4,50 € / VK 6,90 €

Bearing Information:

Pos (Box)	8
Article number	114487
Dimension	15x24x5
Modell	Mk4
Price	HEK 4,50 € / VK 6,90 €

### 3. Lever 301

#### 3.0 Bearing out



Use the tool **F 3.0** to press out the bearing.

#### 3.1 Bearing in



Use the tool **F 3.1** to press in the bearing.

Bearing Information:

Pos (Box)	7
Article number	114449
Dimension	12x21x5 mm
Modell	301 Mk4 – Mk11
Price	HEK 3,90 € / VK 5,90 €

Bearing Information:

Pos (Box)	10
Article number	110557
Dimension	8x22x7 mm
Modell	301 Mk1 – Mk3
Price	HEK 4,90 € / VK 6,90 €

## 4. Top tube

### 4.0 Friction bearing in



Use the tool **F 4.1** to press in the friction. You also need a Allen key 8 mm and an open-jaw wrench 17 mm.

Bearing Information:

Pos (Box)	13
Article number	-
Dimension	-
Modell	301 Mk3 – Mk9
Price	on request



#### 4.1 Seal in



Use the tool **F 5.1** to press in the seal. You also need a rubber hammer.

Seal Information:

Pos (Box)	13
Article number	-
Dimension	-
Modell	301 Mk3 – Mk9
Price	on request

#### 4.2 Needle bearing out



Use the tool **F 6.0** to press out the two needle bearings. You also need a Allen key 8 mm and an open-jaw wrench 17 mm.

#### 4.3 Needle bearing in



Use the tool **F 7.1** to press in the needle bearings. You also need a Allen key 8 mm and an open-jaw wrench 17 mm.

Bearing Kit Information (2x bearing; 1 x axel; 2x screw)

Pos (Box)	9
Article number	
Dimension	(R) NA 4900 2RS / axel / 2x screw
Modell	301 Mk10 – Mk11
Price	on request

### 5. Head Tube

#### 5.1 Bearing in



Use the tool **F 8** to press in the bearing. Please take care to take right side of the tool and dimension of the bearing.

Bearing Information:

Pos (Box)	1
Article number	103887
Dimension	40x52x7
Modell	tapered head tube 301, 601 / head tube 301, 901, 101
Price	HEK 10,50€ / VK 15,00 €

Bearing Information:

Pos (Box)	2
Article number	103870
Dimension	30,2x41x6,5
Modell	tapered head tube 301, 601
Price	HEK 9,00 € / VK 13,00€

## 6. Lever 601, 901

### 6.0 Bearing in



Step one



Step two

Use the tool **F 9.1** to press in the bearing.

Bearing Information:

Pos (Box)	8
Article number	114487
Dimension	15x24x5
Modell	601, 901
Price	HEK 4,50 € / VK 6,90 €

## 7. Down tube

### 7.0 Bearing in



Use the tool **F 10.1** to press in the bearing. Don't forget the axel between the bearings.

#### Bearing Information:

Pos (Box)	6
Article number	114494
Dimension	25x37x7
Modell	601 Mk1 – Mk2
Price	HEK 5,00 € / VK 7,90 €

Pos (Box)	4
Article number	112018
Dimension	30x42x7
Modell	901
Price	HEK 8,90 € / VK 14,50€

Pos (Box)	3
Article number	110526
Dimension	15x28x7 mm / extended inner racer
Modell	601 Mk 3
Price	HEK 4,50 € / VK 6,90 €

## HUB

### 1. HiTorque MX Front 20

#### 1.0 Bearing out

Step 1: Use the stick to remove the end cap.



Step 2: Use the tool **Hub Tool 1** to drive out the axel.





Step 3: Use the tool **Hub Tool 3** to press out the bearing.



### 1.1 Bearing in

Step 1: Use the tool **Hub Tool 1** to press in the two bearings.



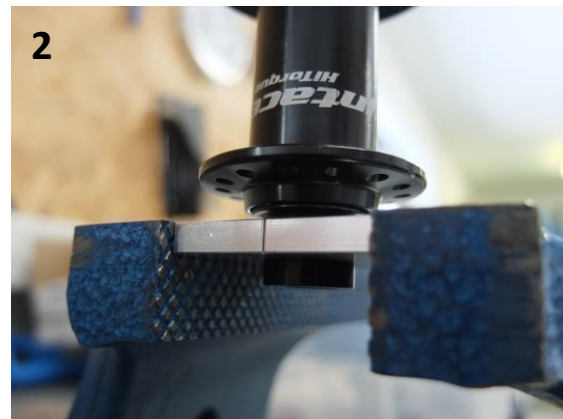
Bearing Information:

Pos (Box)	11
Article number	111776
Dimension	25x37x7
Modell	HiTorque MX Front 20
Price	On request

## 2. HiTorque MX Front 15

### 2.0 Bearing out

Step 1: Use the tool **Hub end cap** to drive out the axel and to remove the end cap.



Tense the tool **Hub end cap** and the Hub in a bench vice and pull the Hub body.

Step 2 and 3 : See above HiTorque MX Front 20 but use the tools **Hub Tool 2** and **Hub Tool 4**

### 2.1 Bearing in

Step 1: See above HiTorque MX Front 20 but use the tools **Hub Tool 2**.

Bearing Information:

Pos (Box)	12
Article number	111752
Dimension	17x26x5
Modell	HiTorque MX Front 15
Price	on request

### 3. HiTorque MX Rear 12

#### 3.0 Bearing out

Step 1: Use the stick to remove the end cap. Drive out the axel by hand.



Step 2: Use the tool **Hub Tool 4** to press out the bearing. (Hub Body)



Step 3: Use the tool **Hub Tool 4** to press out the bearings. (Free wheel body)





### 3.1 Bearing in

Step 1: Use the tool **Hub Tool 4** together with **hub tool 5** to press in the bearing into the hub body.



Bearing Information:

Pos (Box)	14
Article number	111769
Dimension	17x30x7
Modell	HiTorque MX Rear 12
Price	on request

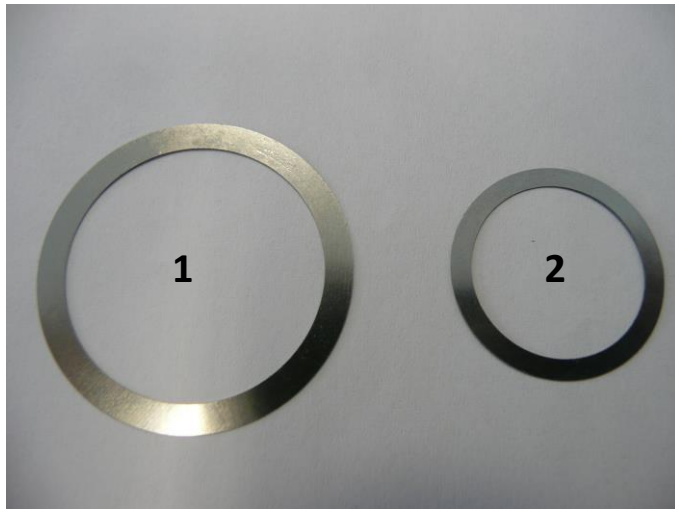
Step 2: Use the tool **Hub Tool 2** to press in the bearing into the free wheel body.



Bearing Information:

Pos (Box)	15
Article number	114562
Dimension	17x26x5
Modell	HiTorque MX Rear 12 free wheel body
Price	on request

#### 4. Adjusting washer hub



1 :

Pos (Box)	11
Article number	112247
Dimension	25,2x31x0,1
Modell	Adjusting washer HiTorque MX Front 20
Price	on request

2 :

Pos (Box)	15
Article number	112230
Dimension	17,2x21,5x01
Modell	Adjusting washer HiTorque MX Front 15/ HiTorque MX Rear 12
Price	on request