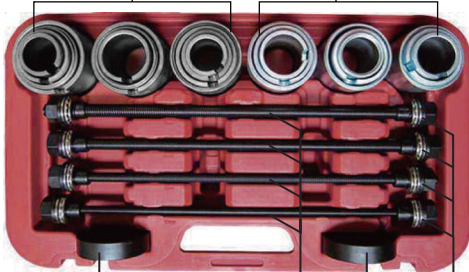


Specifications

D	A Sleeves (11 pcs)
M	Steel
H	HRA 68-72
F	Zinc Plating
S	D44 × d34 D46 × d36 D54 × d44 D56 × d46 D58 × d48 D66 × d56 D68 × d58 D70 × d60 D78 × d68 D80 × d70 D82 × d72

D	Step discs (2 pcs)
M	S45C
H	HRC 38-43
F	Manganese Phosphate
S	Inner Ring Ø20 Side A Ø36 Ø42 Ø48 Ø54 Ø60 Ø66 Ø72 Ø78 Side B Ø42 Ø48 Ø54 Ø60 Ø66 Ø72

D	Description
M	Material
H	Heat Treatment
F	Finishing
S	Sizes (unit: mm)



D	B Sleeves (9 pcs)
M	Steel
H	HRA 68-72
F	Zinc Plating
S	D48 × d38 D50 × d40 D52 × d42 D60 × d50 D62 × d52 D64 × d54 D72 × d62 D74 × d64 D76 × d66

D	Spindles (4 pcs)
M	SCM440
H	HRC 38-43
F	Manganese Phosphate
S	M10 × P1.5 M12 × P2.0 M14 × P2.0 M16 × P2.5

D	Nuts (8 pcs)
M	SCM440
H	HRC 43-47
F	Phosphate
S	27mm

ProMeister



User Guide

Universal Remove & Install  
Sleeve Kit

Art. Nr: PT5210

Produced in Taiwan for Bileko  
**Bileko**  
P.O. Box 542  
S-645 25 Strängnäs, Sweden  
Tel: +46 771 72 00 00  
www.promeister.com

PATENTED



Do Not Use Impact Tools

RVNR-01

## Features

- Universal application of step discs fit various types of vehicles
- Easy work to remove and install
  - Bearing Bushing
  - Silent Bushing
  - Hydraulic Bearing
  - Rubber Bearing
- Step discs are two-sided. Each side has track for fitting sleeves provided (Feature 1). A time-saving and space-saving design.
- Each sleeve has a window (as the squares in Feature 2) for observing the process of bushing or bearing removal/installation, preventing bushing or bearing overworks.
- Spindle nuts are equipped with bearings (Feature 3), reducing friction and saving energy,
- Spindles are square threaded (Feature 4), featuring it's strength and durability.

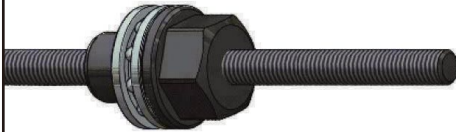
Feature 1



Feature 2



Feature 3



Feature 4



## Safety Precautions



**CAUTION**

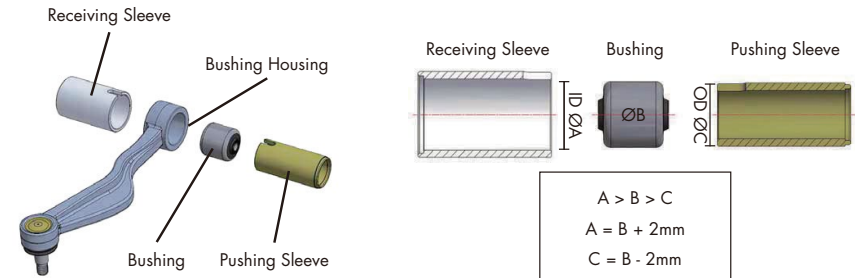


- Always read the instructions carefully before using the tool
- This tool kit is for removing and installing automotive bushing and bearings ONLY
- This tool kit is for manual operation ONLY
- DO NOT use an impact tool or air wrench to operate this tool kit
- Always ensure tool installation is securely connected before removing/installing bushings and bearings
- Ensure the working area has adequate lighting
- Keep children and unauthorized persons away from the working area
- Keep working area clean and tidy, dry and free from unrelated materials
- DO NOT allow untrained persons to use this tool kit
- Always wear eye protection that meets OSHA and ANSI Z87.1 standards
- Always wear gloves when working with the tool
- Always wear ear protection
- Disposal: Customers should follow local regulations or entrust local organisation to handle used/wasted parts

## Instructions

Do Not Use Impact Tools

### CHOOSE A SUITABLE PAIR OF SLEEVES



Choosing a suitable sized pair of sleeves can prevent bushing and bearing housings from being damaged or sliding. As shown in the images above, the outer diameter of the pushing sleeve (C) should be 2mm smaller than bushing diameter (B). The inner diameter of the receiving sleeve (A) should be 2mm larger than bushing diameter (B).

### REMOVAL

1. Choose a suitable-sized pushing sleeve (OD 2mm < bearing diameter), and find a suitable track on step disc.
2. Insert both pushing sleeve and step disc through the spindle, and insert the spindle through the hole on bearing, and faster the nut.
3. Choose a receiving sleeve (ID 2mm > the bearing diameter), and find a suitable track on step disc.
4. Insert both receiving sleeve and step disc through the spindle, and fasten the nut (Fig 1).
5. Use a spanner to rotate clockwise the nut on pushing sleeve side, and the bearing will be pushed out and fall into the receiving sleeve (Fig 2).

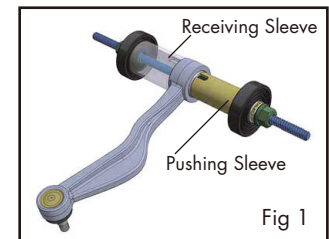


Fig 1

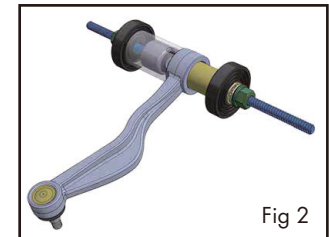


Fig 2

### INSTALLATION

1. Choose a suitable-sized pushing sleeve (OD 2mm < the bearing diameter), and find a suitable track on a step disc.
2. Insert both the pushing sleeve and step disc through the spindle, and insert the spindle through the hole in a new bearing, and fasten the nut.
3. Place the new bearing on the bearing housing.
4. Choose receiving sleeve (ID 3mm > the bearing diameter), and find a suitable track on step disc.
5. Insert both the receiving sleeve and step disc through the spindle, and fasten the nut (Fig 3).
6. Use a spanner to rotate the nut on pushing sleeve side, and the bearing will be pushed into the bearing housing (Fig 4)

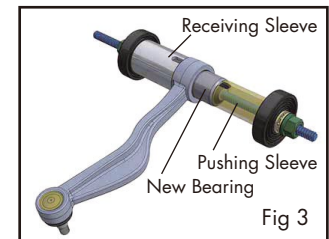
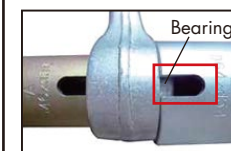


Fig 3



Sleeves are designed with a window for easier observation of the working process, preventing a bearing from being over installed.

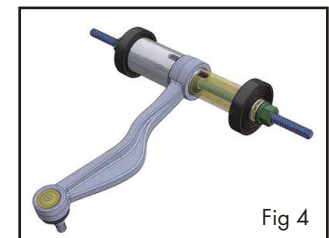


Fig 4