

### MODEL: TR-412

## STABILIZER BUSHING EXCHANGER

- This high-power stabilizer bushing exchanger, with an output of 35 tons, allows a bush to be pushed out or installed easily on a work site, with no need to transport a heavy stabilizer to a press.
- Conventionally, bush replacement requires dangerous work by two workers. With the stabilizer bushing exchanger, however, the work is safe and needs only one worker.

The stabilizer bushing exchanger allows the stabilizer bush and the torque rod bush of a large-sized air suspension car to be replaced easily on a work site.

#### **Application**

- $\bigcirc$  This tool is designed exclusively for a stabilizer bush or a torque rod bush with an outer diameter of  $\varphi$  105.
- \* A separate attachment set (TR-412G-S) is required to use the tool for a Stabilinker of an Isuzu or Hino 4- ton car. Please see the back of this brochure.
- \* The tool cannot be used for a Mitsubishi Fuso's stabilizer due to a mismatch in shape.
- \* Regarding use for bushes of  $\varphi$  96 or other sizes in a UD car front, we are developing optional attachments to allow the use of the tool for these bushes.



Note: Pictures in this brochure show a prototype of the stabilizer bushing exchanger in operation. The design of the prototype is different from that of an actual product in some regards (caster, manometer dial etc.).

O Maximum output: 35 tons (at an input hydraulic pressure of 70 MPa) Stroke: 80 mm

\* Please note that a user should buy a separate hydraulic pump for the stabilizer bushing exchanger.

Maximum pressure: 70 MPa Oil volume: 0.8 liters or more Recommended manufacturer: Masada Seisakusho Co., Ltd. Model: MP-850A

\* A 3/8" female coupler is provided as a standard attachment. A coupler mismatch may prevent a valve from opening. In such a case, please replace the coupler with one recommended by the pump manufacturer.

e bought separately)

\* A hydraulic pump (to

The stabilizer bushing exchanger can be used in two different ways.
Work can be done by

laying both the stabilizer and the exchanger (see the photo above).

Alternatively, a bush can be set from above by lifting the stabilizer with a fork (see the photo below).



Hasco Co., Ltd.

Sales Headquarters 3-6-45 Sakae-cho, Asaka-shi, Saitama, Japan 351-0012

URL http://www.hascotools.co.jp

### MODEL: TR-412G

# STABILINKER BUSHING EXCHANGER

- We newly offer a stabilinker bushing exchanger for Stabilinker bushes ( $\varphi$  65 opening type bushes) for Isuzu's or Hino's 4-ton cars.
- A newly developed bush compressor eliminates a twist to which an opening type bush is subject. No special skill is required to use the exchanger.





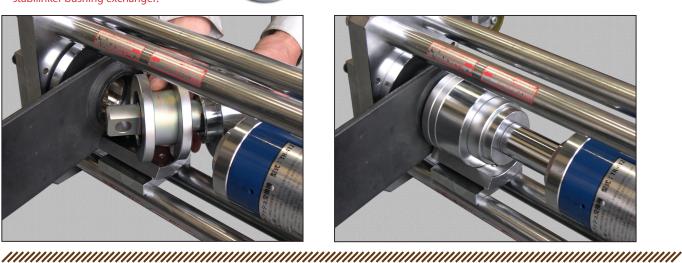
- O The specifications and performance of the cylinder set and the main body frame are the same as those for TR-412 (shown on the front of this brochure).
- \* To use the stabilinker bushing exchanger also for 105 stabilizer bushes for Hino and UD models, please buy a separate attachment set (TR-412-S; see below).

Stabilinker bush The stabilinker bushing exchanger can be used for bushes of genuine part Nos. 1-51519184 (Isuzu), 8-97604143 (Isuzu) and 49305-1700 (Hino).



\* Please note that a user should buy a separate hydraulic pump for the stabilinker bushing exchanger.





○ TR-412-S Attachment set for  $\varphi$  105 (outer diameter) bushes ○ TR-412G-S Attachment set for  $\varphi$  65 opening type bushes

