

# Machine Dimensioning TR / NR

Enquiry     Enclosure with order

Technology that inspires

Dear customer,

Thank you for your interest in our Indexing Rings. To enable us to supply you with the correct unit for your application, we kindly ask you to answer the following questions:

## Model

- TR 750A     TR 1100A     TR 1500A     TR 2200A  
 NR 750Z     NR 1100Z     NR 1500Z     NR 2200Z

## Switching time

Based on the calculated mass inertia, do you require:

- The shortest switching time  
 A longer switching time of approx. \_\_\_\_\_ sec  
 Angle of rotation \_\_\_\_\_ °  
 Standing time \_\_\_\_\_ sec

## Indexing \_\_\_\_\_

- drive on the bottom

## Additional Components (optional)

- Add. raised support for fixed stationary plate: H \_\_\_\_\_ mm  
 Add raised support for indexing ring: H \_\_\_\_\_ mm  
 Base frame model  
 according to Indexing Machine Bases brochure): \_\_\_\_\_

## Colour

- RAL 7035 (light grey-standard)  
 Special colour RAL \_\_\_\_\_ (extra charge)  
 Lugs used:  Yes     No (Lugs painted)

## Required to specify your TR / NR table

The following specification regarding your configuration is fundamental for the calculation of the mass moment of inertia.

### Indexing ring

- Outer Diameter: \_\_\_\_\_ mm  
 Inner Diameter: \_\_\_\_\_ mm  
 Thickness:  25 mm    \_\_\_\_\_ mm  
 Material:  AlMg4.5Mn     other \_\_\_\_\_

Processing according to drawing No.: \_\_\_\_\_

Please draw a sketch of how your load is build on the table.

Total mass inertia: \_\_\_\_\_ kg m<sup>2</sup> (additional indexing plate and add-ons)

### Fixtures and parts

- Number: \_\_\_\_\_  
 Weight per station: \_\_\_\_\_ kg  
 Diameter of the center of gravity: \_\_\_\_\_ mm

## Additional indexing plate

- Included in the scope of offer and delivery    Processing according to drawing No. \_\_\_\_\_

## Electrical data for TR series

### Drive

- Three-phase braking motor (standard)  
 Three-phase motor with self-adjusting brake

### Motor

- Voltage 3 x 400 V / 50 Hz (standard)  
 Other: \_\_\_\_\_ V / \_\_\_\_\_ Hz

### Brake

- Braking voltage 24 V = (recommended)  
 Other: \_\_\_\_\_ V

It is recommended to drive the motor with an electronic contactor!

- Electronic contactor\*  
 Electronic reversing contactor\*

\* not necessary with controller EF

## Control

- Controller EF** (frequency inverter)  
 **Use of the WEISS control card TS 004 E**  
 terminal PCB for 19" rack  
 PCB card holder  
 Protective housing for:  
      Rear wall mounting     Front panel mounting  
      Rail mounting         Frontdoor, lockable and transparent  
 Front panel language for WEISS control card TS 004E  
 German     Italian     English     Dutch     French

## Electrical data for NR series

### WEISS control package

Servo motor, amplifier, **WAS – WEISS Application Software**  
 Cables length:  5 m\*\*     10 m     15 m     20 m     25 m  
 Hand-held terminal (optinal)

### Interface to the customer SPS

- Profibus DP\*\*     Digital I/O  
 Free ASCII protocol     CANopen

### Interface to **WAS – Weiss Application Software**

- RS232\*\*     Ethernet    \*\* Standard

### Supply of customers motor and controller

- Customer to fit motor\*\*\*

\*\*\* Please forward a drawing of motor flange

Manufacturer: \_\_\_\_\_

Type: \_\_\_\_\_

(Motor specification following consulting WEISS)

## For technical enquiries

Company: \_\_\_\_\_

Name: \_\_\_\_\_ Department: \_\_\_\_\_

Desired delivery date: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

eMail: \_\_\_\_\_