**ROTA-FLEX ROTARY INDEXER**

**SELF-LOCATING 30° INDEX**

Rota-Flex is a positive locking mechanical indexer ideal for manual trunnions, dial tables and flexible assembly pallet change over.

**Provides low cost, secure, repeatable positioning in 30° increments.**
Consult factory for other increment options.

**Spring loaded, self-locking mechanism provides positioning with minimal backlash.**

**Actuation options include: robot, manual tool, pneumatic foot pedal or hand button.**

**Tested for longevity and repeatability for 4.5 million indexes.**
ORDERING INFORMATION

ROTA-FLEX
ORDER AS:

RF3

ROTA-FLEX MANUAL TOOL OPTION
ORDER AS:

RF3 M

ROTA-FLEX ROBOT OPTION
ORDER AS:

RF3 R 100 X 01 0

Series
RF3R

Spacer Length
100 100mm Standard Length
(Custom lengths available)

Flange Style
01 Standard Flange

Switch
0 None
S Switch
GENERAL DIMENSIONS

UNIT WEIGHT: 70 LBS.

- 2X Ø10 S.F. Ø12 EVENLY SPACED ON 132 B.C.
- 4X Ø10.50 THRU Ø17.00 Ø17.00 EVENLY SPACED ON 132 B.C.
- 4X M12x1.75
- 2X M10x1.5 TAP Ø15 EVENLY SPACED ON 132 B.C.
- ø17
- ø116 MIN. CLEARANCE TO ROTATE TOOLING
- ROBOT TOOLING SIDE FOR ROBOT ACTUATION
- PUSH/RELEASE CAP. PNEUMATIC TOOL AVAILABLE FOR MANUAL ROTATE
- 450 LBF IS REQUIRED TO RELEASE LOCK, 27mm ±1mm TRAVEL DISTANCE
- 2X ROTATE BOLTS FOR ROBOTIC ROTATION
- THIS SECTION ROTATES SEPARATELY FROM THE REST OF UNIT AND CAN BE THE FIXED SIDE OR THE ROTATING SIDE.

WELKER ROTA-FLEX WEB PAGE
FLANGE ASSEMBLY OPTION "R"

FLANGE STYLE SHOWN FITS, BUT IS NOT EXCLUSIVE TO:
FANUC ROBOT ISO FLANGE WRIST #210F, 100P
KAWASAKI ROBOT FLANGE WRIST #UX100-120-150 & UT100-120-150

450 LBF IS REQUIRED TO RELEASE LOCK,
27mm ± 1mm TRAVEL DISTANCE

2X WELKER RF3 ROTA-FLEX
ROTATE PINS

WELKER RF3 ROTA-FLEX
ASSEMBLY

WELKER RF3R
ROBOT ASSEMBLY

OPTIONAL PROX SWITCH

WELKER RF3 ROTA-FLEX
PUSHER CAP

SPACER LENGTH: 100
173

100SPACER LENGTH:

WELKER RF3 ROTA-FLEX
CUSTOMER MOUNTING
SURFACE

20

(DO NOT SCALE DRAWING)
DOWELS ARE PARALLEL WITHIN ± .03mm [± .001"] AND POSITIONAL TO EACH OTHER
BY ± .12mm [.005”]

DO NOT EXCEED 12” TO PART

CAPABILITY SPECS:

1. 400 Lb-Ft MAX TORQUE

2. REPEATABILITY TO +/- 0.12mm [.005"] AT 300mm [12"] FROM CENTER