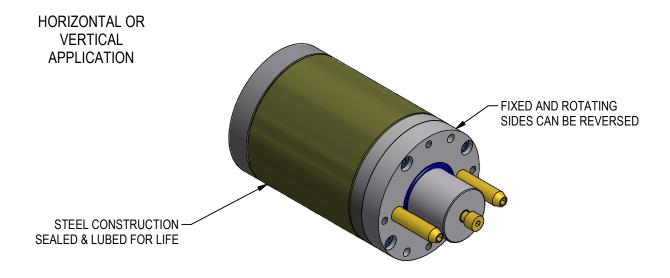


ROTA-FLEX ROTARY INDEXER

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.

RELEASED: 11/3/14 Patent Pending

ORDERING INFORMATION

ROTA-FLEX

ORDER AS:

R F 3

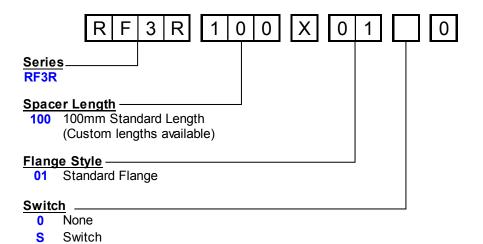
ROTA-FLEX MANUAL TOOL OPTION

ORDER AS:

R F 3 M

ROTA-FLEX ROBOT OPTION

ORDER AS:

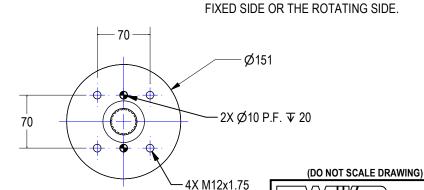


(DO NOT SCALE DRAWING)



GENERAL DIMENSIONS $30^{\circ} \pm 0.25^{\circ}$ 2X Ø10 S.F. ▼12 **EVENLY SPACED ON** 132 B.C. 4X M10x1.5 TAP ▼15 -**EVENLY SPACED ON** 132 B.C. Ø17 4X Ø10.50 THRU Ø116 MIN. CLEARANCE **□** Ø17.00 **▼** 17.00 **ROBOT TOOLING SIDE** TO ROTATE TOOLING **EVENLY SPACED ON** FOR ROBOT ACTUATION 132 B.C. PUSH/RELEASE CAP. PNEUMATIC TOOL AVALABLE FOR MANUAL ROTATE 450 LBF IS REQUIRED TO RELEASE LOCK, - 20 27mm ±1mm TRAVEL DISTANCE 2X ROTATE BOLTS FOR ROBOTIC ROTATION 278 224 26 THIS SECTION ROTATES SEPARATELY

UNIT WEIGHT: 70 LBS.



SHEET 3

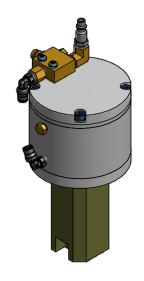
WELKER ROTA-FLEX WEB PAGE

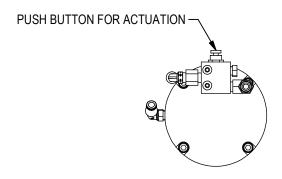
▼ 25 VN = INGINEERED PRODUCTS

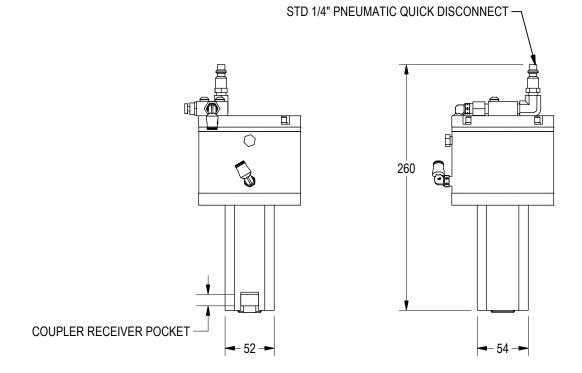
FROM THE REST OF UNIT AND CAN BE THE

800-229-0890 www.welkerproducts.com

MANUAL TOOL OPTION "M"





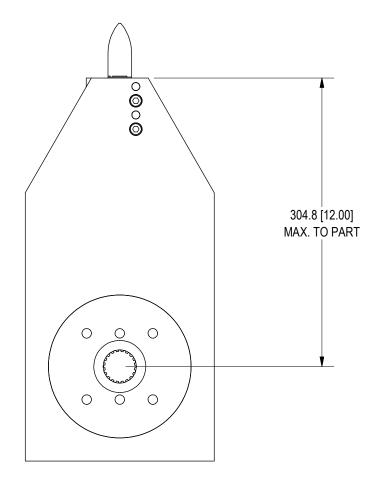


(DO NOT SCALE DRAWING)



FLANGE ASSEMBLY OPTION "R" WELKER RF3R **ROBOT ASSEMBLY** 2X Ø12.0 S.F. THRU Ø110 - 2X Ø10.0 10.0 S.F. THRU 65.1 CENT. 88.4 CENT. **©** Ø152.4 4X Ø11.0 DRILL THRU 65.1 CENT. 88.4 -CENT. WELKER RF3 **ROTA-FLEX ASSEMBLY** 20 OPTIONAL PROX SWITCH -SPACER LENGTH: 100 173 WELKER RF3 ROTA-FLEX -**PUSHER CAP** 450 LBF IS REQUIRED TO RELEASE LOCK. WELKER RF3 ROTA-FLEX $27mm \pm 1mm TRAVEL DISTANCE$ **CUSTOMER MOUNTING** SURFACE 2X WELKER RF3 ROTA-FLEX **ROTATE PINS** FLANGE STYLE SHOWN FITS, BUT IS NOT EXCLUSIVE TO: (DO NOT SCALE DRAWING) FANUC ROBOT ISO FLANGE WRIST #210F, 100P KAWASAKI ROBOT FLANGE WRIST #UX100-120-150 & UT100-120-150 ENGINEERED PRODUCTS 800-229-0890 www.welkerproducts.com SHEET 5

RF3 DATA SHEET



DOWELS ARE PARALLEL WITHIN \pm .03mm [\pm .001"] AND POSITIONAL TO EACH OTHER BY \pm .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

(DO NOT SCALE DRAWING)

