AUTO-INDEXING DIMPLER WD3

WELKER AUTO-INDEXING DIMPLER PREVENTS SHEET METAL BLANKS FROM STICKING TOGETHER IN STAMPING OPERATIONS BY PRODUCING SMALL DIMPLES IN THE TRIM EDGE THAT AUTOMATICALLY INDEX WITH THE ACTION OF THE PRESS.

**DIMPLE**
TWO (2) ARE REQUIRED PER UNIT.
SOLD SEPARATELY
SEE SHEET 3

Dimple Guide Post
Advances after each engagement

- Protects dies by minimizing potential for multiple blank feeds
- Requires no air, hydraulic or electrical connections
- Actuated by gas spring for superior reliability
- Increases efficiency of part transfer systems
- Suitable for aluminum or high strength steels
- 7 indexes per revolution minimizes potential for dimple nesting
- Can correct fan stack effect on tailor-welded blanks

**ANY DIMPLES PROVIDED BY WELKER WITHOUT CUSTOMER SUPPLIED METAL SAMPLE TRYOUT PIECES RUN AT WELKER AND APPROVED IN WRITING BY CUSTOMER ARE NOT GUARANTEED.**

Released 4/12/21

Welker Engineered Products 1401 Piedmont, Troy MI 48083 (800) 229-0890 www.welkerproducts.com
GENERAL DIMENSIONS

ORDER AS: WD3
NOTE: DIMPLES ARE SOLD SEPARATELY. SEE SHEET 3**

OPERATING STROKE:
33mm ± 1.5mm
NOT TO EXCEED 34.50mm

UNIT WEIGHT: 13.1 LBS

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DIMPLE WORKSHEET

NOTE: TWO (2) DIMPLES ARE REQUIRED PER UNIT. DIMPLES ARE SOLD AS EACH. EXAMPLE: IF (3) WD3 UNITS ARE ORDERED, SIX (6) DIMPLES ARE REQUIRED.

THIS SURFACE IS FLUSH WITH TOP TOOLING PLATE OF DIMPLER

SPHERICAL R=__________

R=__________

DIMPLE DIA=____________

DIMPLE HEIGHT=____________

THIS WORKSHEET IS FOR THE MANUFACTURING OF WELKER CUSTOM DIMPLES (TO BE USED WITH WELKER WD3 DIMPLER).

WELKER RECOMMENDS THE FOLLOWING FOR THE DESIGN OF THE DIMPLE:
1) THE DIMPLE HEIGHT DOES NOT EXCEED 1/2 OF THE DIMPLE DIAMETER.
2) THE DIMPLE DIAMETER IS 19.50mm MAX

PLEASE NOTE THAT ALL FUNCTIONALITY AND RESULTS OF THE DESIGN ARE THE RESPONSIBILITY OF THE CUSTOMER.

DIMPLES ARE HARDENED TO Rc 60-63 AND MADE OF A2 TOOL STEEL

PLEASE COMPLETE THIS WORKSHEET AND RETURN TO WELKER FOR PRICE, DELIVERY AND ORDERING INFORMATION.

ANY FURTHER QUESTIONS, PLEASE CONTACT WELKER:
248-528-2020
eng@ewelker.com

270x39

SHEET 3

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