



**DI-MA**

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## **DAM 1 series**

*Linear Actuator screw pitch 3*

Linear Actuator datas:

|                     |   |
|---------------------|---|
| Gearbox Housing     | : zamac die-casting   |
| Gears               | : helical teeth cutting gears or straight teeth sintered gears  |
| Motor               | : d.c. permanent magnet motor with carbon brushes   |
| Standard screw      | : AISI 430F TR8.8 x 3   |
| Working temperature | : -10°C ~ + 60°C  |
| Options             | : a) Hall sensor magnetic encoder – b) Thermal protector – c) screw $\varnothing$ 9.8mm pitch 3 – d) bronze nut – e) different screw material |

*Linear Actuator performances:*

| <u>Model</u>   | Gear Ratio | Voltage | No Load Speed | No Load Current | Nominal Load | Nominal Current | Maximum Load | Stall Current |
|----------------|------------|---------|---------------|-----------------|--------------|-----------------|--------------|---------------|
|                |            | Volt    | mm/s          | Amp             | Kg.          | Amp             | Kg.          | Amp           |
| <b>DAM 1 A</b> | 1:12       | 12.0    | 16.0          | $\geq 0.15$     | 5.50         | $\geq 0.60$     | 15.00        | $\leq 1.50$   |
|                |            | 24.0    | 32.0          | $\geq 0.20$     | 10.00        | $\geq 1.00$     | 25.00        | $\leq 2.80$   |
| <b>DAM 1 B</b> | 1:27       | 12.0    | 7.3           | $\geq 0.15$     | 15.00        | $\geq 0.60$     | 35.00        | $\leq 1.50$   |
|                |            | 24.0    | 14.0          | $\geq 0.20$     | 20.00        | $\geq 1.00$     | 55.00        | $\leq 2.80$   |
| <b>DAM 1 C</b> | 1:48       | 12.0    | 4.5           | $\geq 0.15$     | 21.00        | $\geq 0.60$     | 50.00        | $\leq 1.50$   |
|                |            | 24.0    | 9.0           | $\geq 0.20$     | 44.00        | $\geq 1.00$     | 90.00        | $\leq 2.80$   |
| <b>DAM 1 E</b> | 1:60       | 12.0    | 3.5           | $\geq 0.15$     | 28.00        | $\geq 0.60$     | 65.00        | $\leq 1.50$   |
|                |            | 24.0    | 6.0           | $\geq 0.15$     | 58.00        | $\geq 1.00$     | 120.00       | $\leq 2.80$   |
| <b>DAM 1 D</b> | 1:108      | 12.0    | 1.8           | $\geq 0.15$     | 45.00        | $\geq 0.60$     | 100.00       | $\leq 1.50$   |
|                |            | 24.0    | 3.5           | $\geq 0.20$     | 80.00        | $\geq 1.00$     | 185.00       | $\leq 2.80$   |

⚙️ Possibility to customized the electric performances as per the customer request. ⚙️

**\*\* FOR REFERENCE ONLY \*\***