

NEW

Power Transmission

# ANM A series

Damping rings



PASSION TO PERFORM



# ANM A DAMPING RINGS

## Technical data

Positioned between the bell-housing motor flange and lid of the tank, they help to reduce the transmission of the vibrations and emission of noise generated by the system.

Damping rings provide a perfect hydraulic sealing actions by virtue of their special profile; damping rings are available for IEC electric motors from size 80 to size 315.

### Compatibility with fluids

- Mineral oils types HH-LL-HM-HR-HV-HC, to ISO 6743/4 standard
- Water based emulsions types HFAE-HFAS, to ISO 6743/4 standard
- Water glycol type HFC, to ISO 6743/4 standard: ask for anodized version

### Materials

Internal ring: pressure die-cast aluminium alloy  
External body: NBR 75 Shore A

### Temperature

From -30 °C to +80 °C

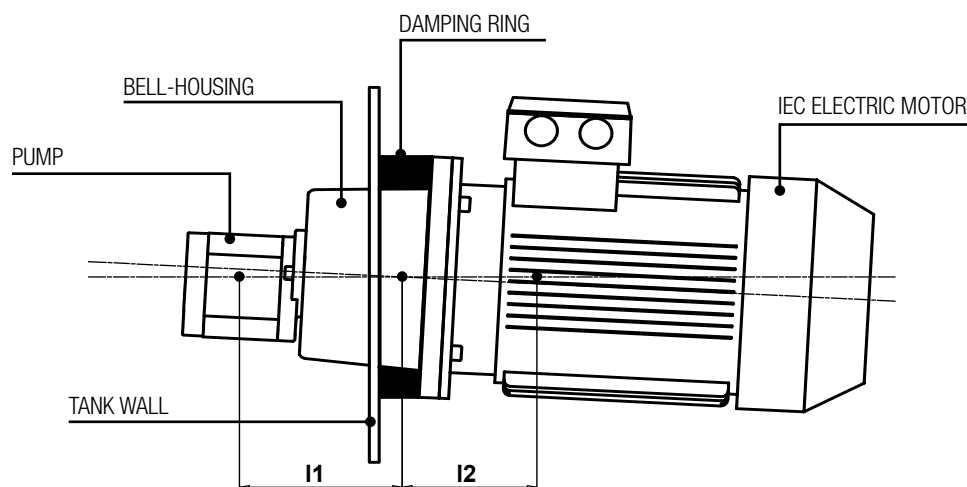
### Special Applications

Any applications not covered by the normal indications contained in this catalogue must be evaluated and approved by MP Filtri Technical and Sales Department

## Example of assembly

In order to warranty the application, procede with the calculation of the max weight and moment with the following formulas.

Values higher than those in the table could damage the product and could't warranty the conformity of the application!



$$F_{perm} \geq F_p + F_m$$

$$M_b perm \geq F_m \times l_1 - F_p \times l_2$$

## Permissible radial weight and bending load for damping rings

| Code      | F perm [N] | Mb perm [N·m] |
|-----------|------------|---------------|
| ANM A 200 | 370        | 30            |
| ANM A 250 | 720        | 65            |
| ANM A 300 | 1450       | 175           |
| ANM A 350 | 3600       | 740           |
| ANM A 400 | 4800       | 1100          |
| ANM A 450 | 6600       | 1600          |
| ANM A 550 | 13000      | 4400          |
| ANM A 660 | 24000      | 9000          |

### Legend of symbol

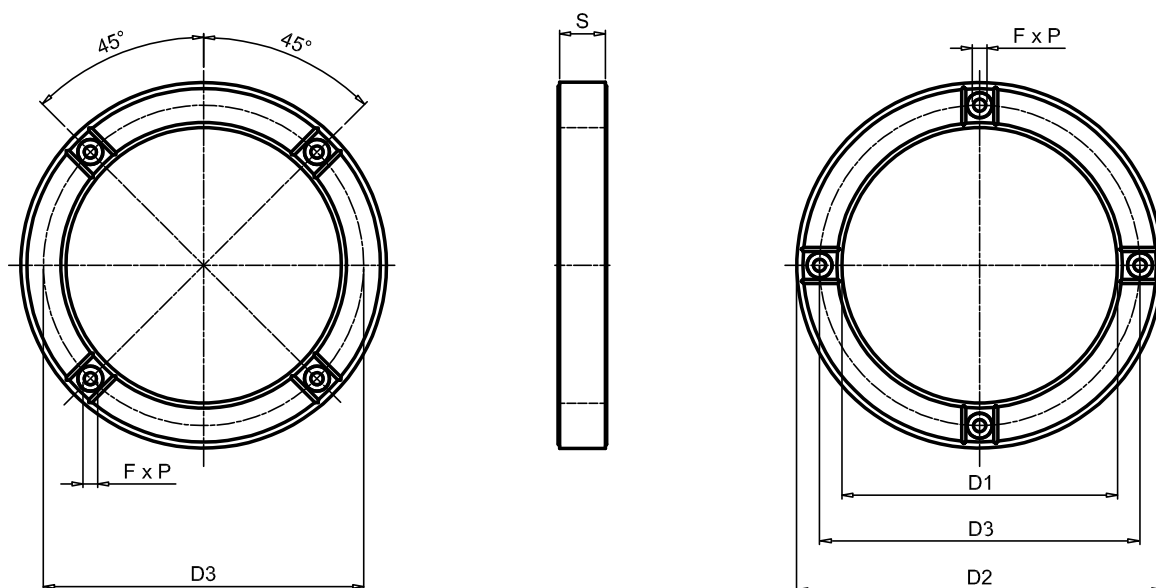
**F perm** = ammissible load (N)

**Fp** = pumps weight (N)

**Fm** = motor weight (N)

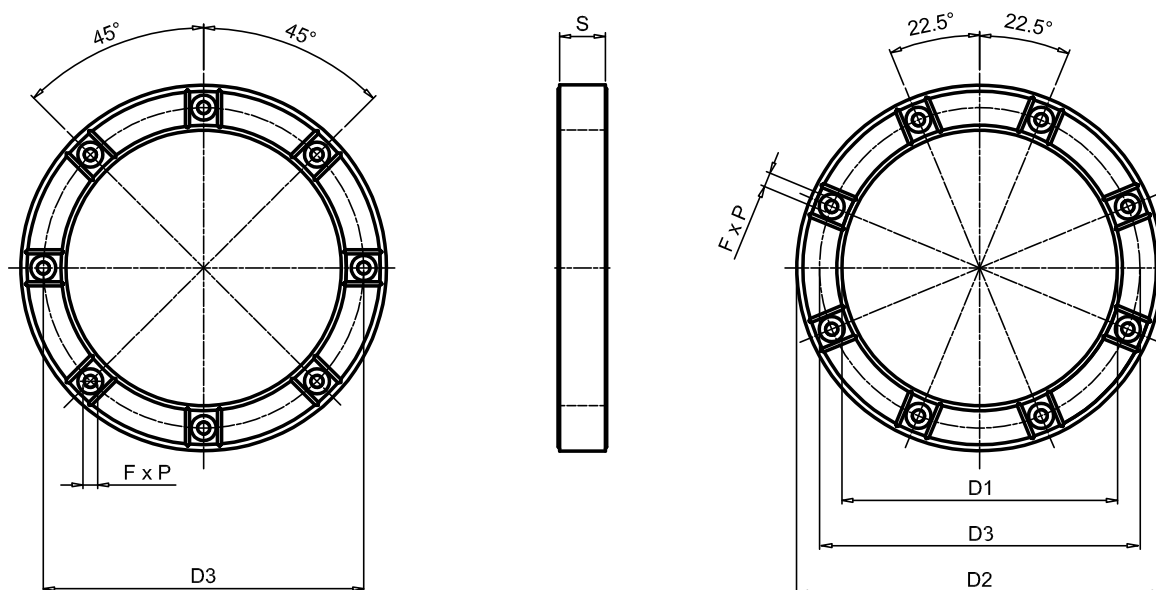
**Mb perm** = bending load (N·m)

### ANM A 200 ÷ 400



| Code             | IEC - Electric motors | D1  | D2  | D3  | S  | F x P  | Nr. F | Screw tightening torque [N·m] | Weight [kg] |
|------------------|-----------------------|-----|-----|-----|----|--------|-------|-------------------------------|-------------|
| <b>ANM A 200</b> | 80, 90S / 90L         | 144 | 200 | 165 | 40 | M10x16 | 4+4   | 23                            | 1.70        |
| <b>ANM A 250</b> | 100L / 112M           | 191 | 250 | 215 | 45 | M12x16 |       | 40                            | 2.53        |
| <b>ANM A 300</b> | 132S / 132M           | 238 | 300 | 265 | 50 | M12x16 |       | 40                            | 2.15        |
| <b>ANM A 350</b> | 160L/160M, 180L/180M  | 260 | 350 | 300 | 58 | M16x20 |       | 100                           | 3.95        |
| <b>ANM A 400</b> | 200L                  | 301 | 400 | 350 | 50 | M16x25 |       | 100                           | 4.60        |

### ANM A 450 ÷ 660



| Code             | IEC - Electric motors | D1  | D2  | D3  | S  | F x P  | Nr. F | Screw tightening torque [N·m] | Weight [kg] |
|------------------|-----------------------|-----|-----|-----|----|--------|-------|-------------------------------|-------------|
| <b>ANM A 450</b> | 225S / 225M           | 352 | 450 | 400 | 60 | M16x25 | 8+8   | 100                           | 6.20        |
| <b>ANM A 550</b> | 250M, 280M / 280S     | 452 | 550 | 500 | 60 | M16x25 |       | 210                           | 7.76        |
| <b>ANM A 660</b> | 315M / 315S           | 552 | 660 | 600 | 67 | M20x25 |       | 410                           | 11.25       |



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