## ELECTROMAGNETIC SPRING

Type FZ-.../1
1 friction disc


1. Inducing core
2. Brake springs
3. Tightening pin
4. Regulating nut
5. Regulating nuts dim. "a"
6. Adjusting screw
7. Armature
8. Anchoring disc
9. Friction disc
10. Braking pinion

Type FZ-.../2
2 friction discs

9. Friction disc (additional one)

ELECTROMAGNETIC SPRING REACTION BRAKE With hand-operated unblocking system Type FZ


Fig. 3 - Hand unblocking operation.

| SIZE / CONSTRUCTION TYPE |  |  | 0,3/1 | 0,55/2 | 0,91/1 | 1,7/2 | 3/1 | 5,7/2 | 10/1 | 19/2 | 32/1 | 60/2 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Max. braking moment |  | da Nm. | 0,3 | 0,55 | 0,9 | 1,7 | 3 | 5,7 | 10 | 19 | 32 | 60 |
| Max. revolutions per minute |  | n | 6000 |  | 5000 |  | 4000 |  | 3000 |  | 2200 |  |
| Consumption |  | Watts | 12 |  | 16 |  | 33 |  | 57 |  | 100 |  |
| Torque regulation |  | \% | 100 a 0 |  | 100 a 0 |  | 100 a 25 |  | 100 a 50 |  | 100 a 60 |  |
| Working capacity hour max. |  | KJ. | 330 | 580 | 580 | 960 | 960 | 1800 | 2100 | 4100 | 4100 | 8000 |
| connection max. |  |  | 8,25 | 14,5 | 14,5 | 24 | 24 | 45 | 52,5 | 102,5 | 102,5 | 200 |
| Mass |  | kg | 1,5 | 1,65 | 2,4 | 2,8 | 5,3 | 6,3 | 13,2 | 15,4 | 24,5 | 27,5 |
| Air space $=$ dimension " a " |  | m. m. | 0,3 | 0,4 | 0,4 | 0,5 | 0,4 | 0,5 | 0,5 | 0,7 | 0,5 | 0,7 |
|  |  | A | 94 | 94 | 118 | 118 | 153 | 153 | 206 | 206 | 284 | 284 |
|  |  | L | 41 | 51 | 49 | 60 | 67 | 80 | 88 | 105 | 112 | 134 |
|  | max. | d | 20 | 20 | 26 | 26 | 32 | 32 | 45 | 45 | 65 | 65 |
|  |  | B | 84 | 84 | 106 | 106 | 140 | 140 | 188 | 188 | 262 | 262 |
|  |  | C | 70 | 70 | 90 | 90 | 115 | 115 | 160 | 160 | 230 | 230 |
|  |  | D | 32 | 32 | 46 | 46 | 58 | 58 | 75 | 75 | 116 | 116 |
|  |  | E | 92 | 92 | 116 | 116 | 150 | 150 | 202 | 202 | 280 | 280 |
|  |  | 1 | 25 | 25 | 32 | 32 | 40 | 40 | 52 | 52 | 65 | 65 |
|  |  | mxg | M $4 \times 8$ |  | M $5 \times 10$ |  | M6 $\times 12$ |  | M8 $\times 14$ |  | M10 $\times 22$ |  |
|  |  | n | 1,5 | 1,5 | 2,5 | 2,5 | 3 | 3 | 4 | 4 | 5 | 5 |
|  |  | e | 7 | 7 | 9 | 9 | 11 | 11 | 13 | 13 | 20 | 20 |
|  |  | f | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 8 | 8 |
| Only for FZ-/1 (max. shift) |  | h | 9 | - | 10 | - | 12 | - | 12 | - | 20 | - |

Notes: In all sizes, our brakes will be delivered with dimension $\mathrm{d}=10 \mathrm{~mm}$ and without keynut.

