

# Hygienic 160 | 250

Per applicazioni nei settori farmaceutico e alimentare

For Pharmaceutical and Food Applications

Für Anwendungen in der Pharma - und Lebensmittelindustrie

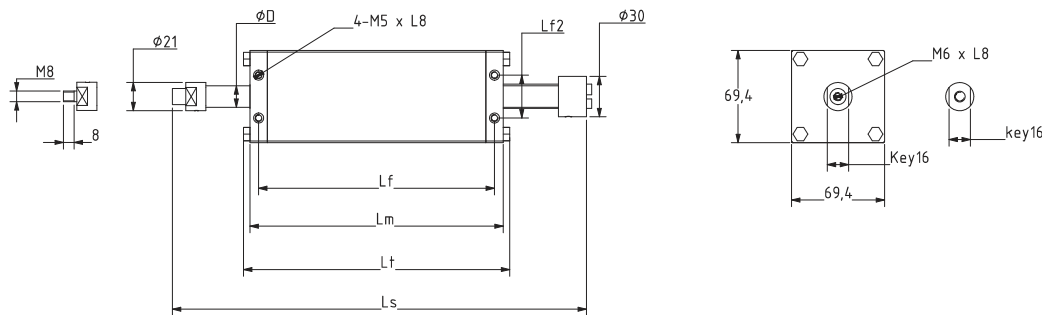


Acciaio Inox AISI 304/316L  
Cuscinetti certificati FDA per uso alimentare

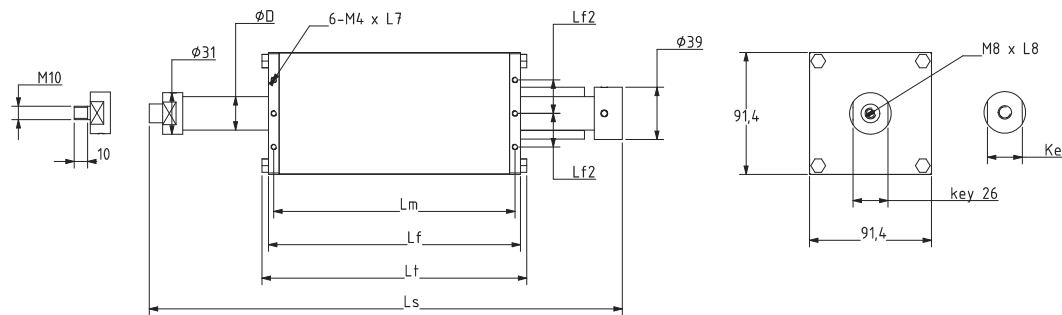
AISI 304/316L Stainless steel  
FDA food grade certified bearings

NIRO-Stahl nach AISI 304/316L FDA Wälzlager mit  
Lebensmittelunbedenklichkeitserklärung

# GDH160



# GDH250



\* Peak force (10 sec) / Spitzen - Vorschubkraft (10 sek) / Forza di picco (10 sec)

| Parameter name              |                               | Unit   | Symbol          | GDH160D | GDH160T | GDH160Q         | GDH250DS | GDH250TS | GDH250XS | Simbolo | Symbol                        | Unità                           | Einheit                          | Parameter  | Nome Parametro |
|-----------------------------|-------------------------------|--------|-----------------|---------|---------|-----------------|----------|----------|----------|---------|-------------------------------|---------------------------------|----------------------------------|------------|----------------|
| Mechanical                  | Rated Force                   | N      | Fr              | 9,3     | 13,1    | 17,5            | 24,9     | 34,4     | 68,6     | Fr      | N                             | Dauer - Vorschubkraft           | Forza continuativa               | Meccanisch | Meccanici      |
|                             |                               | lbf    |                 | 2,08    | 2,94    | 3,94            | 5,60     | 7,73     | 15,42    |         | lbf                           |                                 |                                  |            |                |
|                             | Peak Force*                   | N      | Fp              | 37,09   | 52,36   | 70,15           | 100      | 138      | 274      | Fp      | N                             | Spitzen - Vorschubkraft*        | Forza di picco*                  |            |                |
|                             |                               | lbf    |                 | 8,34    | 11,77   | 15,77           | 22,41    | 30,93    | 61,70    |         | lbf                           |                                 |                                  |            |                |
|                             | Actuator length               | mm     | Lm              | 159     | 189     | 219             | 158      | 188      | 338      | Lm      | mm                            | Gehäuselänge                    | Lunghezza attuatore              |            |                |
|                             |                               | inches |                 | 6,26    | 7,44    | 8,62            | 6,22     | 7,40     | 13,31    |         | inches                        |                                 |                                  |            |                |
|                             | Actuator Length + screws      | mm     | Lt              | 168     | 198     | 228             | 167      | 197      | 347      | Lt      | mm                            | Gehäuselänge + Schrauben        | Lunghezza attuatore + viti       |            |                |
|                             |                               | inches |                 | 6,61    | 7,80    | 8,98            | 6,57     | 7,76     | 13,66    |         | inches                        |                                 |                                  |            |                |
|                             | Horizontal Fixing Holes pitch | mm     | Lf              | 146     | 176     | 206             | 150      | 180      | 330      | Lf      | mm                            | Befestigungsbohrbild horizontal | Passo fori fissaggio orizzontale |            |                |
|                             |                               | inches |                 | 5,75    | 6,93    | 8,11            | 5,91     | 7,09     | 12,99    |         | inches                        |                                 |                                  |            |                |
| Vertical Fixing Holes pitch | mm                            | Lf2    | 32              | 32      | 32      | 25              | 25       | 25       | Lf2      | mm      | Befestigungsbohrbild vertikal | Passo fori fissaggio verticale  |                                  |            |                |
|                             | inches                        |        | 1,26            | 1,26    | 1,26    | 0,98            | 0,98     | 0,98     |          | inches  |                               |                                 |                                  |            |                |
| Slider diameter             | mm                            | D      | 16              | 16      | 16      | 25              | 25       | 25       | D        | mm      | Läuferdurchmesser             | Diametro albero                 |                                  |            |                |
|                             | inches                        |        | 0,63            | 0,63    | 0,63    | 0,98            | 0,98     | 0,98     |          | inches  |                               |                                 |                                  |            |                |
| Slider Length               | mm                            | Ls     | Lslider + 10    |         |         | Lslider + 10    |          |          | Ls       | mm      | Läuferlänge                   | Lunghezza slider                |                                  |            |                |
|                             | inches                        |        | Lslider + 0,394 |         |         | Lslider + 0,394 |          |          |          | inches  |                               |                                 |                                  |            |                |
| Pole pitch                  | mm                            | 2p     | 60              | 60      | 60      | 60              | 60       | 60       | 2p       | mm      | Polabstand                    | Passo polare                    |                                  |            |                |
|                             | inches                        |        | 2,36            | 2,36    | 2,36    | 2,36            | 2,36     | 2,36     |          | inches  |                               |                                 |                                  |            |                |
| Force constant              | N/A                           | Fc     | 17              | 24      | 33      | 26              | 39       | 52       | Fc       | N/A     | Kraftkonstante                | Costante di forza               |                                  |            |                |
|                             | lbf/A                         |        | 3,83            | 5,40    | 7,43    | 5,85            | 8,78     | 11,70    |          | lbf/A   |                               |                                 |                                  |            |                |
| Rated Current               | A                             | Ir     | 0,55            | 0,55    | 0,53    | 0,96            | 0,88     | 1,32     | Ir       | A       | Stromstärke                   | Corrente continuativa           |                                  |            |                |
| Back EMF                    | V/m/s                         | BEMF   | 7,09            | 10,63   | 14,44   | 9               | 13,5     | 17       | BEMF     | V/m/s   | Gegen-EMK Konstante           | Forza contro elettromotrice     |                                  |            |                |
|                             | V/in/s                        |        | 1,575           | 2,36    | 3,21    | 2               | 3        | 3,78     |          | V/in/s  |                               |                                 |                                  |            |                |
| Phase resistance            | ohm                           |        | 29              | 44      | 57      | 9,6             | 14,7     | 8,5      |          | ohm     | Phasenwiderstand              | Resistenza di fase              |                                  |            |                |
| Phase inductance            | mH                            |        | 18              | 27      | 36      | 17,5            | 26       | 9        |          | mH      | Phaseninduktivität            | Induttanza di fase              |                                  |            |                |
| Position repeatability      | mm                            |        | 0,05            | 0,05    | 0,05    | 0,05            | 0,05     | 0,05     |          | mm      | Wiederholgenauigkeit          | Ripetibilità di posizionamento  |                                  |            |                |
|                             | inches                        |        | 0,002           | 0,002   | 0,002   | 0,002           | 0,002    | 0,002    |          | inches  |                               |                                 |                                  |            |                |