



## Swivel Hoist Ring 8-231

### Product information



- Rotates through 360° and pivot 180°, and simultaneously allows lifting from any direction.
- Manufactured from forged alloy steel, quenched and tempered.
- Load rated parts are 100% magnaflux crack detected.
- Individual forged parts and cap screw are traceable to Test Certification.
- Bolt are Metric thread (ASME / ANSI B18.3.1M).
- Proof tested to 2.5 times the WLL.
- Fatigue rated to 1.5 times the WLL.
- All YOKE Lifting points meet or exceed all the requirements of ASME B30.26.
- Quick and simple assembly, just a tapped hole is required.

**Features:** Built-in RFID/NFC chip

**Material:** Forged alloy steel, quenched and tempered

**Marking:** According to standard, CE-marked, WLL, size, steel quality, manufacturer ID and traceability

**Temperature range:** -40° up to +200°C (without reduction in WLL).

**Finish:** Painted

**Standard:** EN 1677-1

**Safety factor:** 4:1

| Part Code   | WLL ton | Torque Nm | Thread M mm | Thread length (E) mm | Pitch DIN13 | A mm | B mm | C mm | D mm | F mm | G mm | R mm | SW mm | I mm | Weight kg | Delivery time |
|-------------|---------|-----------|-------------|----------------------|-------------|------|------|------|------|------|------|------|-------|------|-----------|---------------|
| 42158231005 | 0.5     | 30        | M 8         | 12                   | 1,25        | 33   | 42   | 28   | 11   | 80   | 58   | 17   | 13    | 44   | 0.3       | 30            |
| 42158231007 | 0.7     | 60        | M 10        | 15                   | 1,5         | 33   | 41   | 29   | 11   | 80   | 58   | 17   | 17    | 44   | 0.3       | 3             |
| 42158231010 | 1       | 100       | M 12        | 20                   | 1,75        | 33   | 39   | 31   | 11   | 80   | 58   | 17   | 19    | 44   | 0.3       | 30            |
| 42158231015 | 1.5     | 120       | M 14        | 21                   | 2           | 50   | 56   | 45   | 17   | 116  | 90   | 27   | 22    | 63   | 0.9       | 30            |
| 42158231020 | 2       | 150       | M 16        | 24                   | 2           | 50   | 54   | 46   | 17   | 116  | 90   | 27   | 24    | 63   | 0.9       | 3             |
| 42158231025 | 2.5     | 200       | M 18        | 26                   | 2,5         | 65   | 77   | 57   | 20   | 155  | 108  | 34   | 30    | 86   | 1.9       | 30            |
| 42158231030 | 3       | 250       | M 20        | 30                   | 2,5         | 51   | 52   | 49   | 17   | 116  | 90   | 27   | 30    | 63   | 1         | 3             |
| 42158231050 | 5       | 400       | M 24        | 36                   | 3           | 72   | 81   | 59   | 25   | 163  | 126  | 37   | 36    | 88   | 2.6       | 3             |
| 42158231056 | 5.6     | 400       | M 27        | 38                   | 3           | 87   | 96   | 79   | 30   | 204  | 148  | 46   | 41    | 110  | 4.9       | 30            |
| 42158231078 | 7.8     | 500       | M 30        | 48                   | 3,5         | 87   | 94   | 81   | 30   | 204  | 148  | 46   | 46    | 110  | 5         | 3             |
| 42158231125 | 12.5    | 1,000     | M 36        | 54                   | 4           | 110  | 112  | 98   | 36   | 248  | 188  | 57   | 55    | 128  | 9.6       | 3             |
| 42158231156 | 15.6    | 1,500     | M 42        | 63                   | 4,5         | 110  | 101  | 108  | 36   | 248  | 188  | 57   | 65    | 128  | 10.9      | 30            |
| 42158231200 | 20      | 2,000     | M 48        | 72                   | 5           | 110  | 97   | 112  | 36   | 248  | 188  | 57   | 75    | 128  | 11.6      | 30            |
| 42158231220 | 22      | 2,100     | M 56        | 84                   | 5,5         | 123  | 116  | 121  | 36   | 274  | 202  | 64   | 85    | 146  | 15        | 30            |
| 42158231225 | 22.5    | 2,200     | M 64        | 100                  | 6           | 123  | 111  | 126  | 36   | 274  | 202  | 64   | 95    | 146  | 16.3      | 30            |

## Technical data

| Lifting method       |                     |     |      |      |        |         |        |         |         |         |
|----------------------|---------------------|-----|------|------|--------|---------|--------|---------|---------|---------|
| No of legs           | 1                   | 2   | 1    | 2    | 2      | 2       | 3-4    | 3-4     | 2       | 3-4     |
| Angle of inclination | 0°                  | 0°  | 90°  | 90°  | 0°-45° | 45°-60° | 0°-45° | 45°-60° | unsymm. | unsymm. |
| Thread               | Load capacity (ton) |     |      |      |        |         |        |         |         |         |
| M 8                  | 0,8                 | 1,6 | 0,5  | 1    | 0,7    | 0,5     | 1,1    | 0,8     | 0,5     | 0,5     |
| M 10                 | 1,2                 | 2,4 | 0,7  | 1,4  | 1      | 0,7     | 1,5    | 1,1     | 0,7     | 0,7     |
| M 12                 | 1,5                 | 3   | 1    | 2    | 1,4    | 1       | 2,1    | 1,5     | 1       | 1       |
| M 14                 | 2,4                 | 4,8 | 1,5  | 3    | 2,1    | 1,5     | 3,2    | 2,3     | 1,5     | 1,5     |
| M 16                 | 3,2                 | 6,4 | 2    | 4    | 2,8    | 2       | 4,2    | 3       | 2       | 2       |
| M 18                 | 5                   | 10  | 2,5  | 5    | 3,5    | 2,5     | 5,3    | 3,8     | 2,5     | 2,5     |
| M 20                 | 4,5                 | 9   | 3    | 6    | 4,2    | 3       | 6,3    | 4,5     | 3       | 3       |
| M 24                 | 9                   | 18  | 5    | 10   | 7      | 5       | 10,5   | 7,5     | 5       | 5       |
| M 27                 | 9,5                 | 19  | 5,6  | 11,2 | 7,8    | 5,6     | 11,8   | 8,4     | 5,6     | 5,6     |
| M 30                 | 12                  | 24  | 7,8  | 15,6 | 10,9   | 7,8     | 16,4   | 11,7    | 7,8     | 7,8     |
| M 36                 | 14                  | 28  | 12,5 | 25   | 17,5   | 12,5    | 26,3   | 18,8    | 12,5    | 12,5    |
| M 42                 | 16                  | 32  | 15,6 | 31,2 | 21,8   | 15,6    | 32,8   | 23,4    | 15,6    | 15,6    |
| M 48                 | 20                  | 40  | 20   | 40   | 28     | 20      | 42     | 30      | 20      | 20      |
| M 56                 | 22                  | 44  | 22   | 44   | 30,8   | 22      | 46,2   | 33      | 22      | 22      |
| M 64                 | 22,5                | 45  | 22,5 | 45   | 31,5   | 22,5    | 47,3   | 33,8    | 22,5    | 22,5    |

# Blueprint

