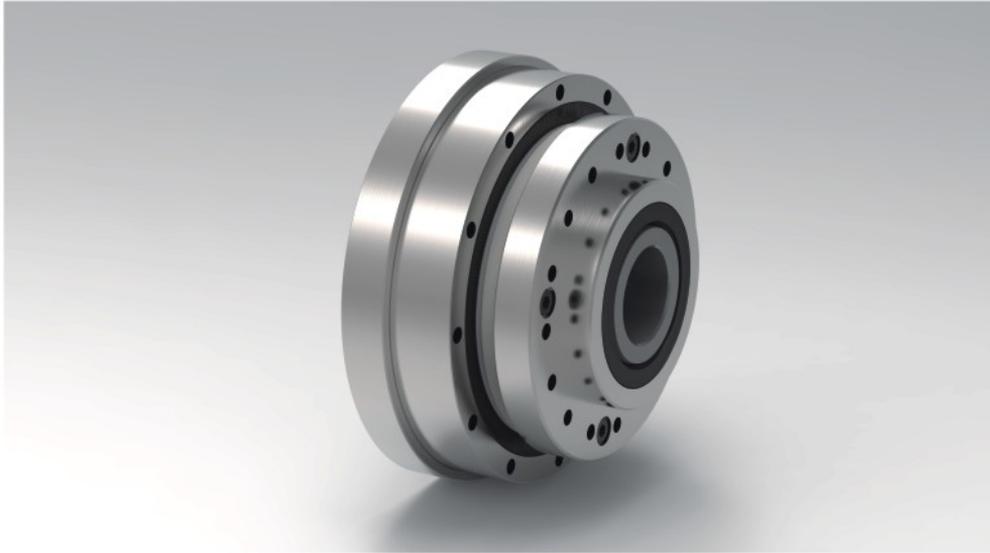


Strain Wave Gear KBG-HO Series Box Unit Hollow shaft open Flexspline



Advantages

- High positioning and rotational accuracy
- High repeatability accuracy
- High torque
- Super compact design
- Backlash free
- Long service life
- High torsional stiffness
- High efficiency
- Simple installation
- Flexible for application design

Main Applications

- Robots
- High Precision Tooling Machine
- High Precision Testing Equipment
- Medical Equipment
- Optical Equipment
- Analytical and Testing Equipment
- Semiconductor Manufacturing Systems
- Packing Machines

Ordering Code

| Gear Series | Transmission Type | Gear Size | | Ratios | | | | Special Design | |
|---------------|-------------------|-----------|----|--------|-----|-----|-----|--|----|
| KBG | HO | 14 | 50 | 80 | 100 | | | as per customers' special requirements | |
| | | 17 | 50 | 80 | 100 | 120 | | | |
| | | 20 | 50 | 80 | 100 | 120 | 160 | | |
| | | 25 | 50 | 80 | 100 | 120 | 160 | | |
| | | 32 | 50 | 80 | 100 | 120 | 160 | | |
| | | 40 | 50 | 80 | 100 | 120 | 160 | | |
| | | 45 | 50 | 80 | 100 | 120 | 160 | | |
| | | 50 | | 80 | 100 | 120 | 160 | | |
| Ordering Code | | | | | | | | | |
| KBG-HO | | - | 25 | - | 100 | | | - | SP |

Technical Specifications

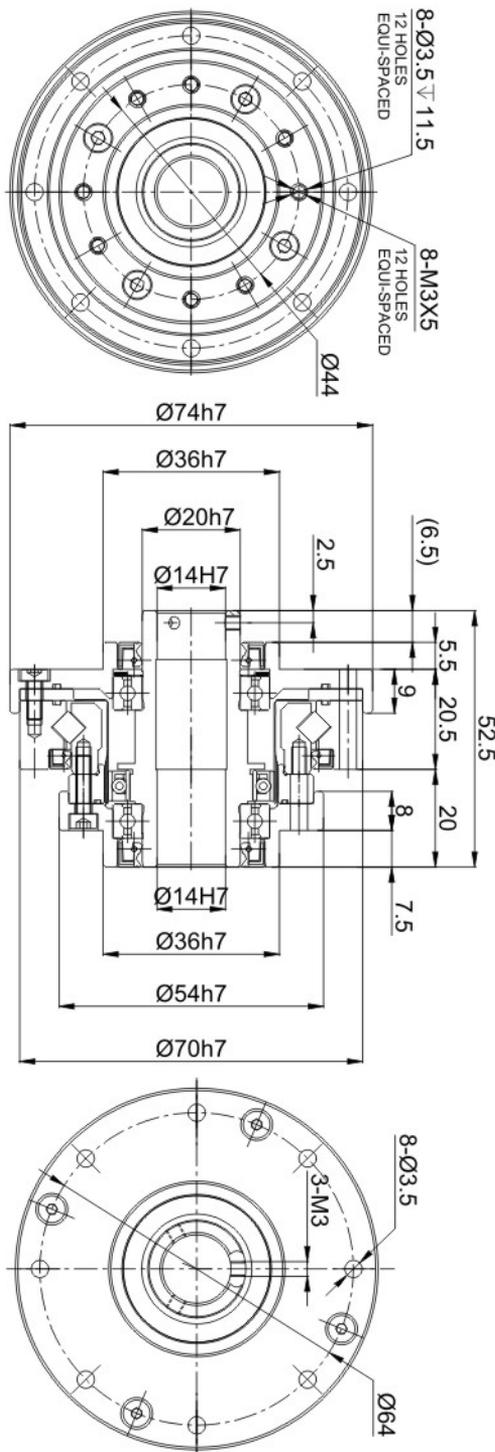
| Series | Size | Ratio | Max Output Torque | Average Output Torque | Rated Output Torque at rated speed 2000 rpm | Emergency Stop Torque | Max Input Speed | Average Input Speed | Moment of Inertia | Weight |
|--------|------|-------|-------------------|-----------------------|---|-----------------------|-----------------|-----------------------|-----------------------|--------|
| | | | Nm | Nm | Nm | Nm | rpm | rpm | kgm ² | kg |
| KBG-HO | 14 | 50 | 23 | 9 | 7 | 46 | 8500 | 3500 | 0.18x10 ⁻⁴ | 0.71 |
| | | 80 | 30 | 14 | 10 | 61 | | | | |
| | | 100 | 36 | 14 | 10 | 70 | | | | |
| | 17 | 50 | 44 | 34 | 21 | 91 | 7300 | 3500 | 0.34x10 ⁻⁴ | 1.00 |
| | | 80 | 56 | 35 | 29 | 113 | | | | |
| | | 100 | 70 | 51 | 31 | 143 | | | | |
| | 20 | 50 | 73 | 44 | 33 | 127 | 6500 | 3500 | 0.58x10 ⁻⁴ | 1.38 |
| | | 80 | 96 | 61 | 44 | 165 | | | | |
| | | 100 | 107 | 64 | 52 | 191 | | | | |
| | | 120 | 113 | 64 | 52 | 191 | | | | |
| | 25 | 50 | 127 | 72 | 51 | 242 | 5600 | 3500 | 1.23x10 ⁻⁴ | 2.1 |
| | | 80 | 178 | 113 | 82 | 332 | | | | |
| | | 100 | 204 | 140 | 87 | 369 | | | | |
| | | 120 | 217 | 140 | 87 | 395 | | | | |
| | 32 | 50 | 281 | 140 | 99 | 497 | 4800 | 3500 | 3.66x10 ⁻⁴ | 4.5 |
| | | 80 | 395 | 217 | 153 | 738 | | | | |
| | | 100 | 433 | 281 | 178 | 841 | | | | |
| | | 120 | 459 | 281 | 178 | 892 | | | | |
| | 40 | 50 | 523 | 255 | 178 | 892 | 4000 | 3000 | 9.28x10 ⁻⁴ | 7.7 |
| | | 80 | 675 | 369 | 268 | 1270 | | | | |
| | | 100 | 738 | 484 | 345 | 1400 | | | | |
| | | 120 | 802 | 586 | 382 | 1530 | | | | |
| | 45 | 50 | 650 | 346 | 229 | 1235 | 4500 | 2500 | 13.8x10 ⁻⁴ | 10.1 |
| | | 80 | 920 | 511 | 410 | 1652 | | | | |
| 100 | | 980 | 650 | 462 | 2040 | | | | | |
| 120 | | 1060 | 811 | 520 | 2255 | | | | | |
| 50 | 80 | 1220 | 675 | 485 | 2420 | 4500 | 2500 | 57.2x10 ⁻⁴ | 14.5 | |
| | 100 | 1301 | 870 | 611 | 2788 | | | | | |
| | 120 | 1410 | 1041 | 691 | 2678 | | | | | |
| | | 160 | 1542 | 1101 | 692 | | | | | 3120 |

Strain Wave Gear KBG-HO Series Component Kit
Hollow shaft open Flexspline

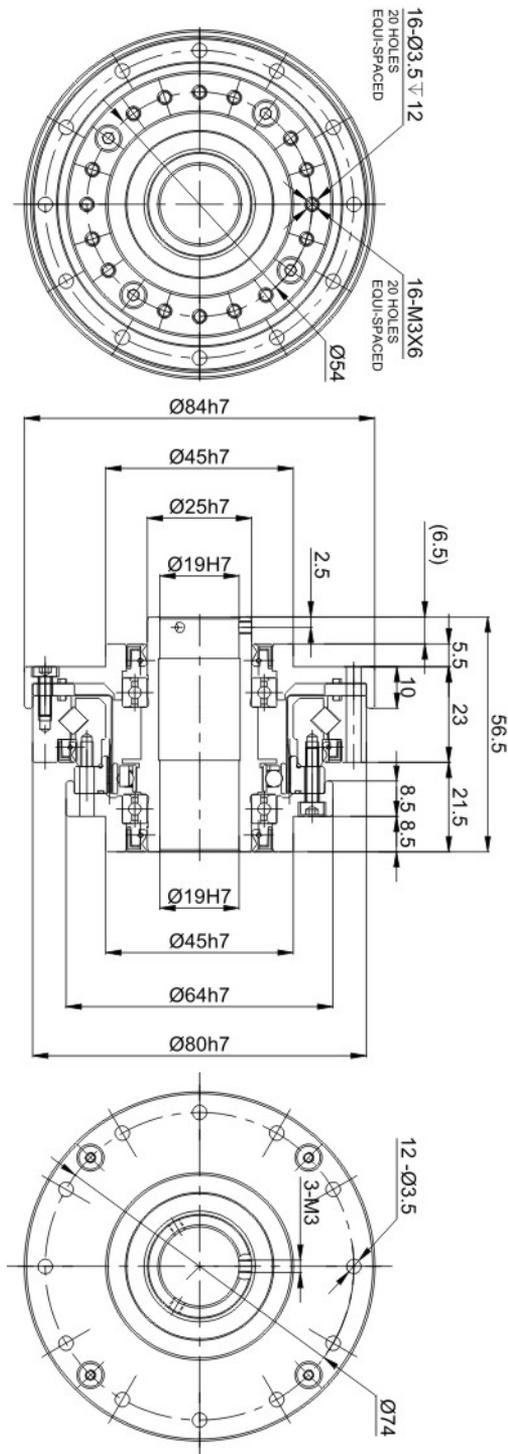
7.7

Gear Dimensions

Box Unit KBG-HO-14



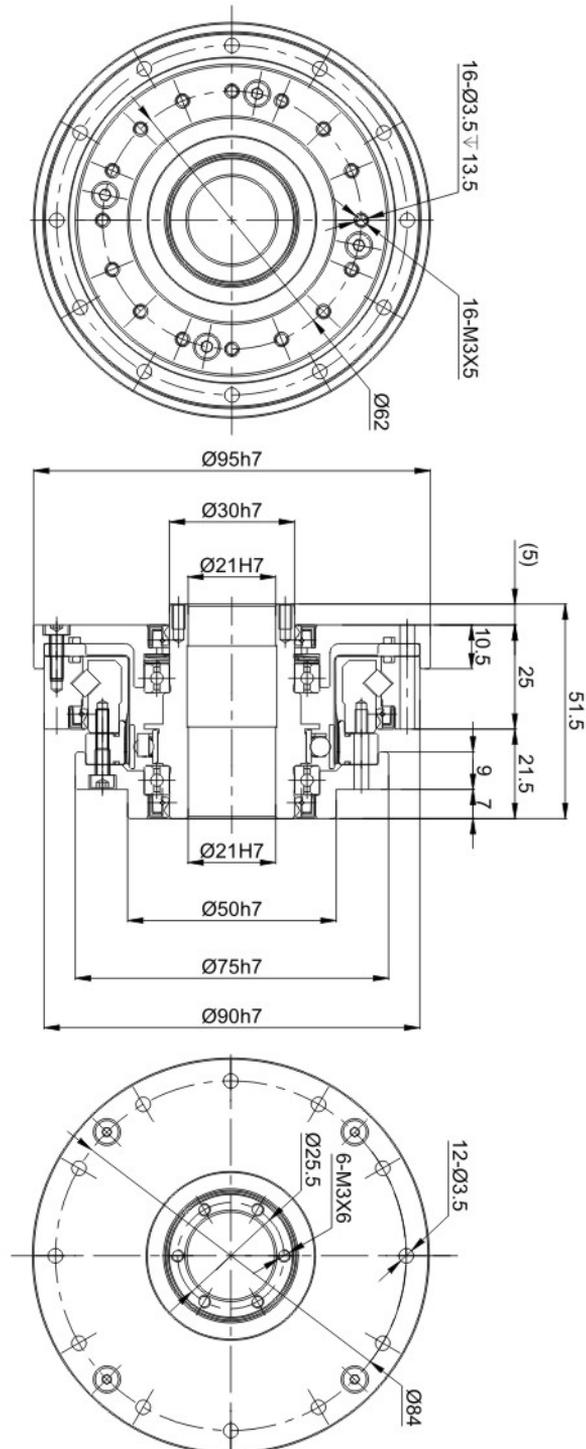
Box Unit KBG-HO-17



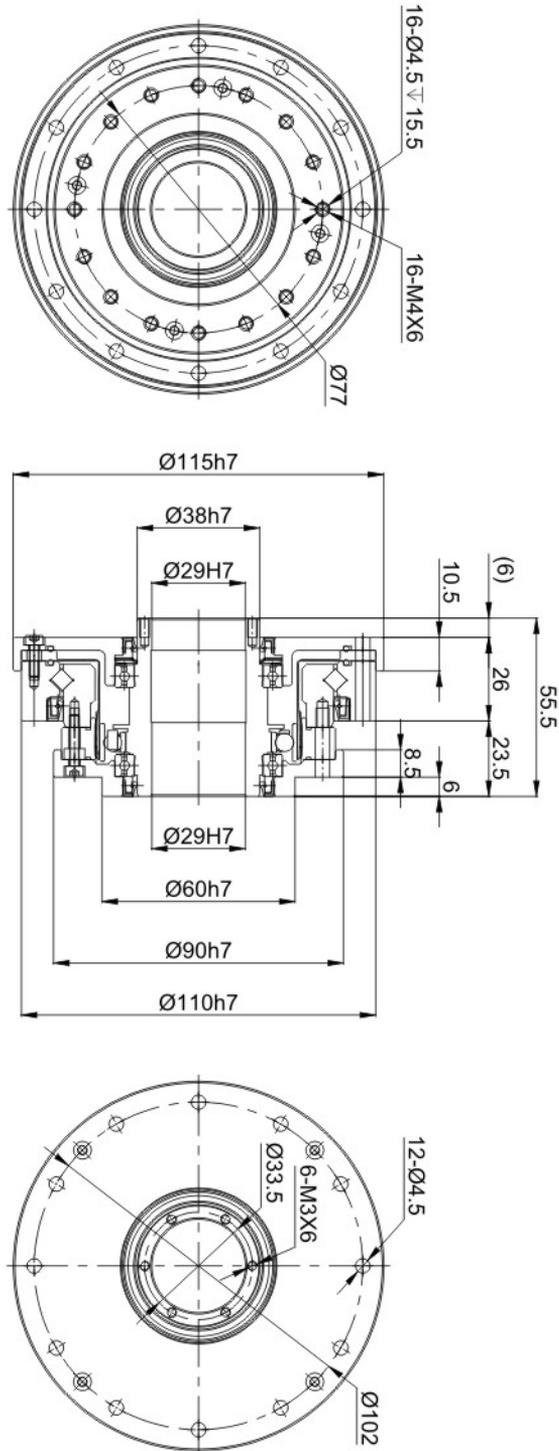
Strain Wave Gear KBG-HO Series Component Kit
Hollow shaft open Flexspline

Gear Dimensions

Box Unit KBG-HO-20



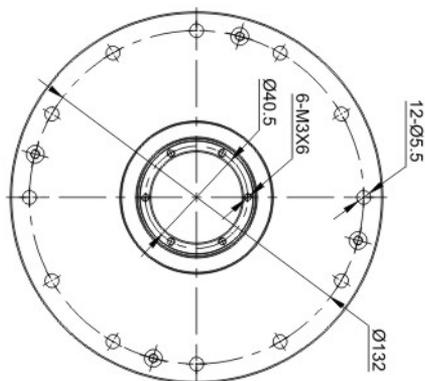
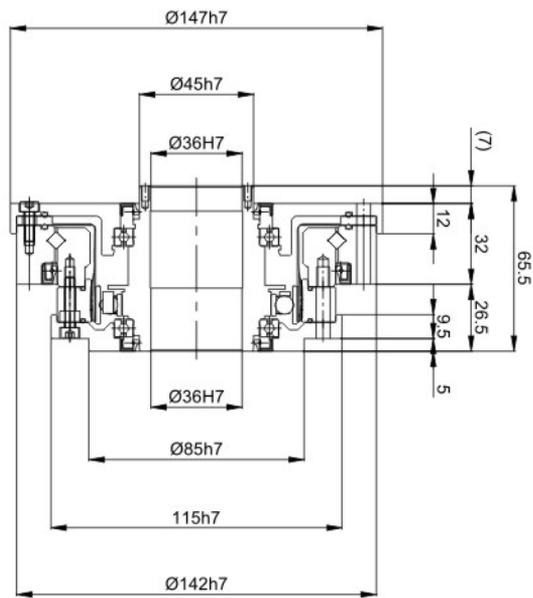
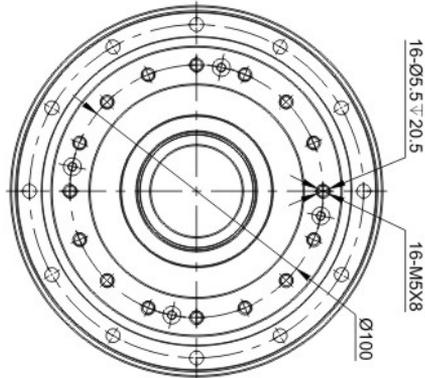
Box Unit KBG-HO-25



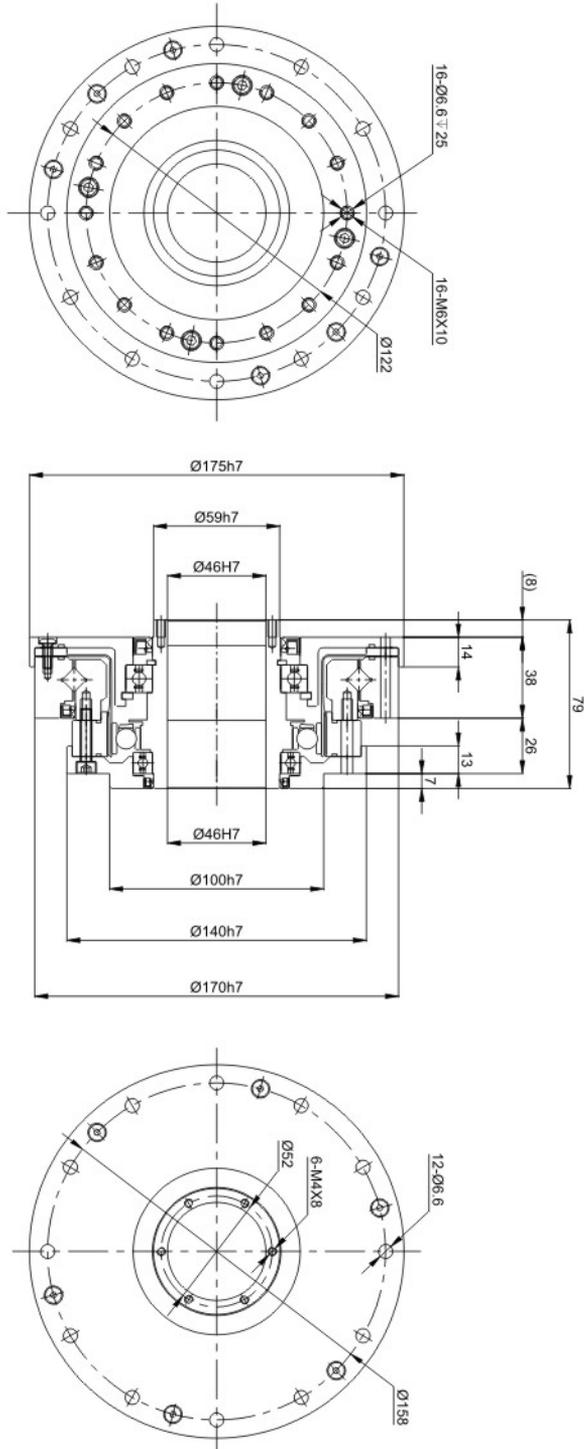
Strain Wave Gear KBG-HO Series Component Kit
Hollow shaft open Flexspline

Gear Dimensions

Box Unit KBG-HO-32



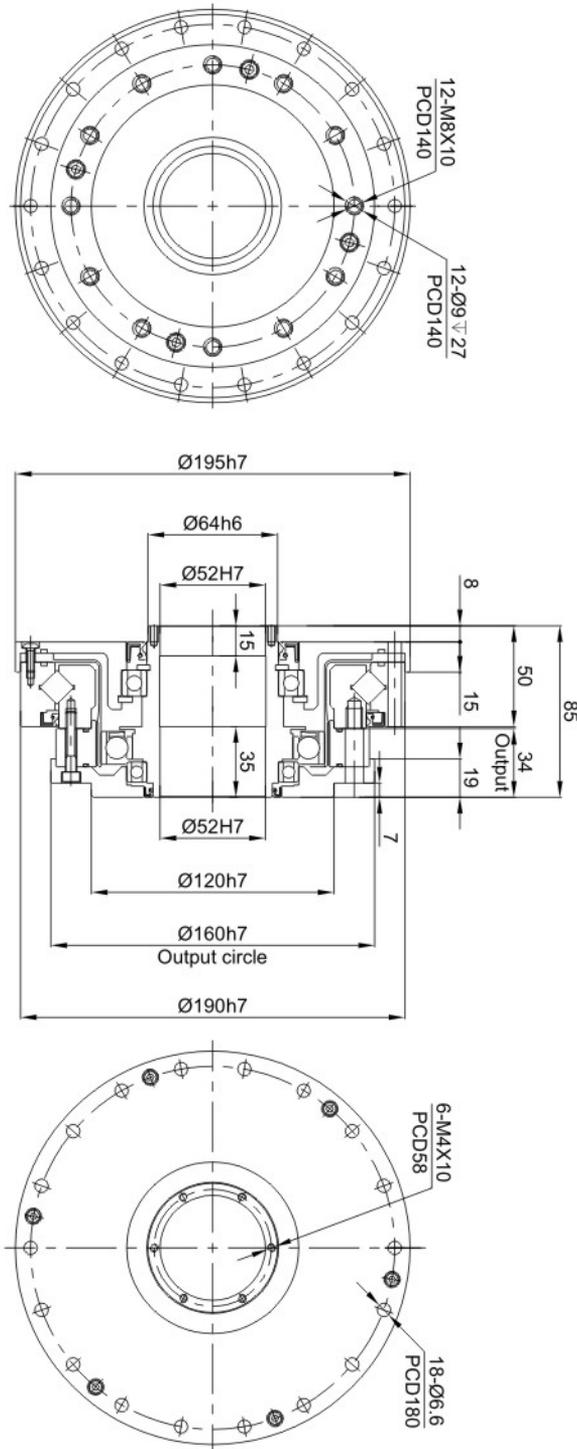
Box Unit KBG-HO-40



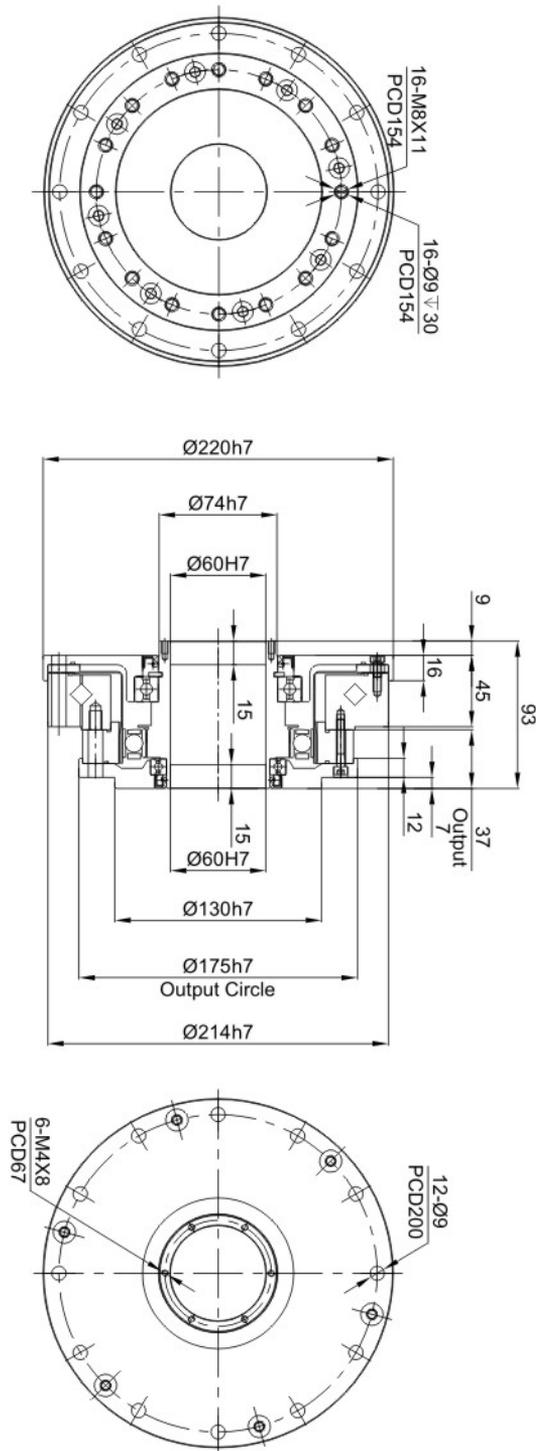
Strain Wave Gear KBG-HO Series Component Kit
Hollow shaft open Flexspline

Gear Dimensions

Box Unit KBG-HO-45



Box Unit KBG-HO-50



Strain Wave Gear KBG-HO Series Component Kit
Hollow shaft open Flexspline

Technical Memo

A large grid of graph paper, consisting of 20 columns and 30 rows of small squares, intended for technical drawing or calculations.

Strain Wave Gear KBC-HO Series Component Kit
Hollow shaft open Flexspline