

# Harmonic Drive Gear CCS-II

# BONDY

INDUSTRIAL EQUIPMENT SUPPLIER

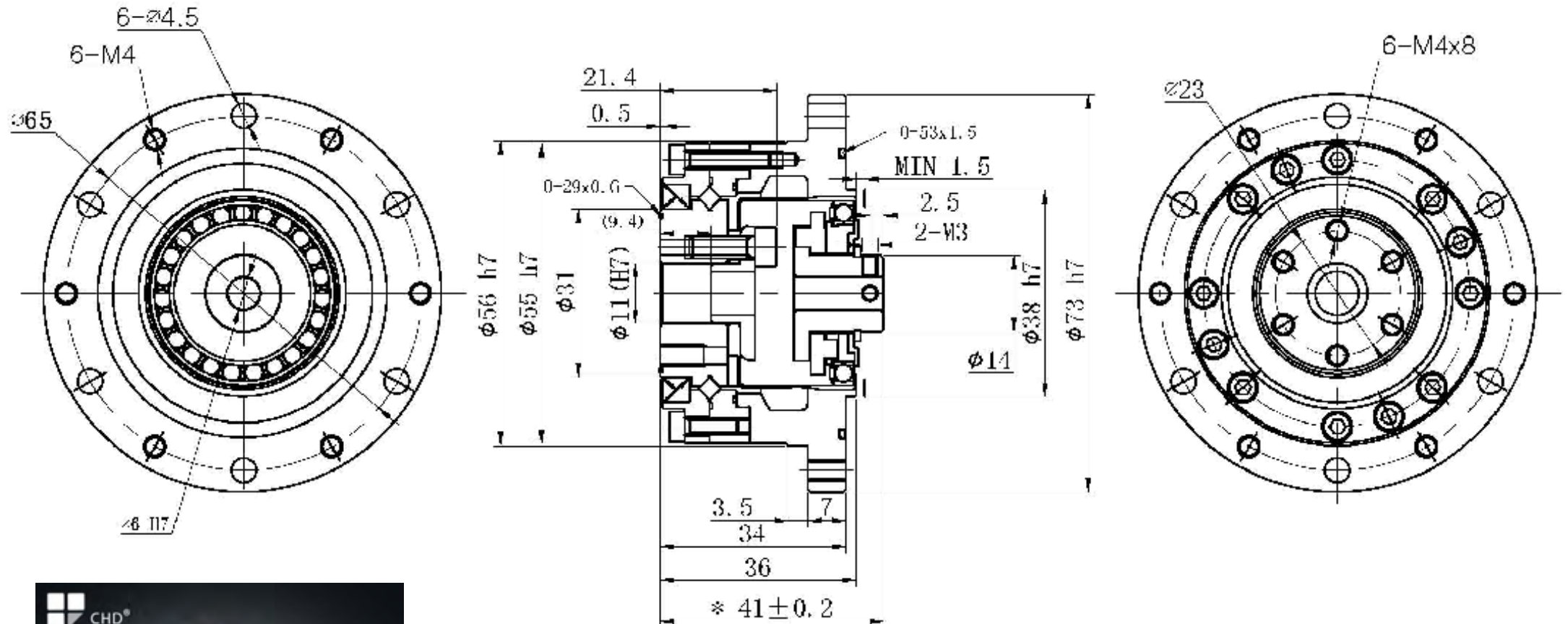
For ordering and questions call

**(+45) 70 15 14 14**

### Parameters for CCS-II series of reducer

| Size | Trans-Ratio | Rated Torque | Allowable Peak    | Allowable      | Allowable Max    | Max Input | Allowable Average | Back lash | Weight | Design life |
|------|-------------|--------------|-------------------|----------------|------------------|-----------|-------------------|-----------|--------|-------------|
|      |             | 2000 r/min   | Torque Start&Stop | Average Torque | Momentary Torque | Speed     | Input Speed       |           |        |             |
|      |             | N.m          | N.m               | N.m            | N.m              | r/min     | r/min             | Arc sec   | Kg     | Hour        |
| 14   | 30          | 3.8          | 8.5               | 6.5            | 16               | 8000      | 3500              | ≤20       | 0.52   | 10000       |
|      | 50          | 5.1          | 17.1              | 6.6            | 33               |           |                   | ≤20       |        | 10000       |
|      | 80          | 7.4          | 22                | 10.5           | 44               |           |                   | ≤20       |        | 15000       |
|      | 100         | 7.4          | 26                | 10.5           | 51               |           |                   | ≤20       |        | 15000       |
| 17   | 30          | 8.4          | 15                | 11.5           | 28               | 7000      | 3500              | ≤20       | 0.69   | 10000       |
|      | 50          | 15.2         | 32                | 25             | 66               |           |                   | ≤20       |        | 10000       |
|      | 80          | 21           | 41                | 26             | 83               |           |                   | ≤20       |        | 15000       |
|      | 100         | 23           | 51                | 37             | 103              |           |                   | ≤20       |        | 15000       |
|      | 120         | 23           | 51                | 37             | 82               |           |                   | ≤20       |        | 15000       |
| 20   | 30          | 14           | 26                | 19             | 48               | 6000      | 3500              | ≤20       | 0.99   | 10000       |
|      | 50          | 24           | 53                | 32             | 93               |           |                   | ≤20       |        | 10000       |
|      | 80          | 32           | 70                | 45             | 121              |           |                   | ≤20       |        | 15000       |
|      | 100         | 38           | 78                | 47             | 140              |           |                   | ≤20       |        | 15000       |
|      | 120         | 38           | 83                | 47             | 140              |           |                   | ≤20       |        | 15000       |
|      | 160         | 38           | 87                | 47             | 140              |           |                   | ≤20       |        | 15000       |
| 25   | 30          | 26           | 48                | 36             | 90               | 5500      | 3500              | ≤20       | 1.48   | 10000       |
|      | 50          | 37           | 93                | 52             | 177              |           |                   | ≤20       |        | 10000       |
|      | 80          | 60           | 130               | 83             | 242              |           |                   | ≤20       |        | 15000       |
|      | 100         | 64           | 149               | 103            | 270              |           |                   | ≤20       |        | 15000       |
|      | 120         | 64           | 159               | 103            | 289              |           |                   | ≤20       |        | 15000       |
|      | 160         | 64           | 167               | 103            | 298              |           |                   | ≤20       |        | 15000       |
| 32   | 30          | 51           | 95                | 71             | 190              | 4500      | 3500              | ≤20       | 3.2    | 10000       |
|      | 50          | 72           | 205               | 103            | 363              |           |                   | ≤20       |        | 10000       |
|      | 80          | 112          | 289               | 159            | 540              |           |                   | ≤20       |        | 15000       |
|      | 100         | 130          | 316               | 205            | 615              |           |                   | ≤20       |        | 15000       |
|      | 120         | 130          | 335               | 205            | 652              |           |                   | ≤20       |        | 15000       |
|      | 160         | 130          | 353               | 205            | 652              |           |                   | ≤20       |        | 15000       |
| 40   | 50          | 130          | 382               | 186            | 652              | 4000      | 3000              | ≤20       | 5      | 10000       |
|      | 80          | 196          | 493               | 270            | 931              |           |                   | ≤20       |        | 15000       |
|      | 100         | 252          | 540               | 353            | 1026             |           |                   | ≤20       |        | 15000       |
|      | 120         | 279          | 586               | 429            | 1121             |           |                   | ≤20       |        | 15000       |
|      | 160         | 279          | 615               | 429            | 1121             |           |                   | ≤20       |        | 15000       |
| 50   | 50          | 233          | 679               | 333            | 1358             | 3000      | 2500              | ≤20       | 9      | 10000       |
|      | 80          | 353          | 894               | 493            | 1767             |           |                   | ≤20       |        | 15000       |
|      | 100         | 446          | 931               | 633            | 1957             |           |                   | ≤20       |        | 15000       |
|      | 120         | 503          | 1026              | 772            | 1957             |           |                   | ≤20       |        | 15000       |
|      | 160         | 503          | 1121              | 801            | 2327             |           |                   | ≤20       |        | 15000       |
| 58   | 80          | 522          | 1406              | 732            | 2328             | 3000      | 2200              | ≤10       | 14.8   | 15000       |
|      | 100         | 661          | 1511              | 1007           | 3021             |           |                   | ≤10       |        | 15000       |
|      | 120         | 708          | 1634              | 1131           | 3164             |           |                   | ≤10       |        | 15000       |
|      | 160         | 708          | 1748              | 1150           | 3259             |           |                   | ≤10       |        | 15000       |

# Model Parameters and drawing:



**CCS-14-XXX-C-II (Rev B-0)**

Note:

Drawings in catalog is valid within 2016

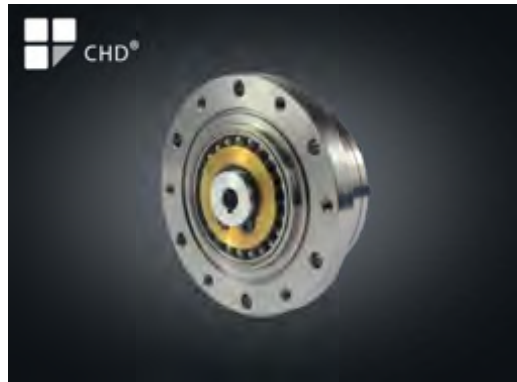
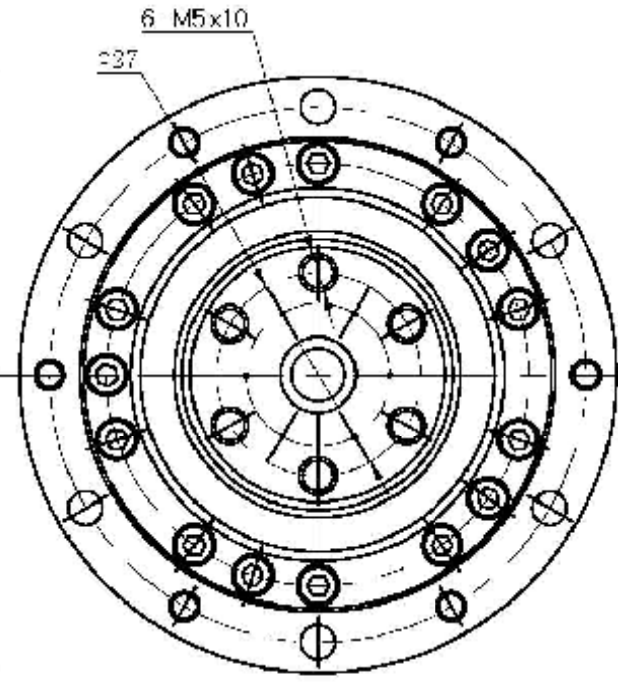
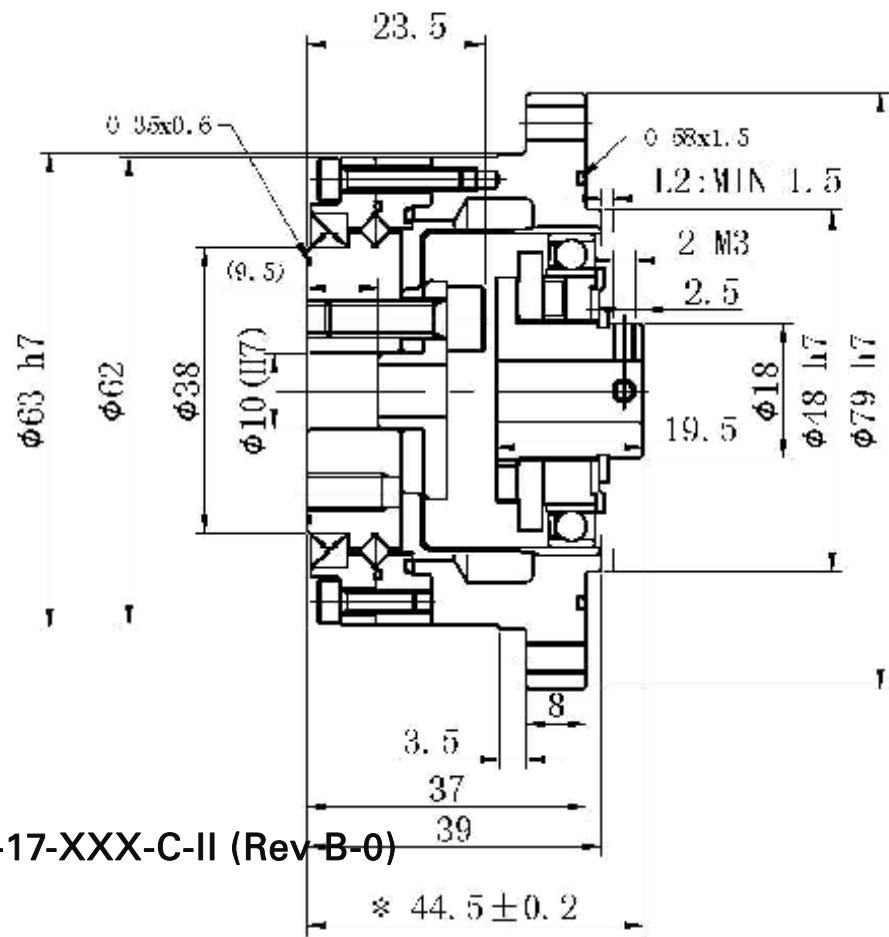
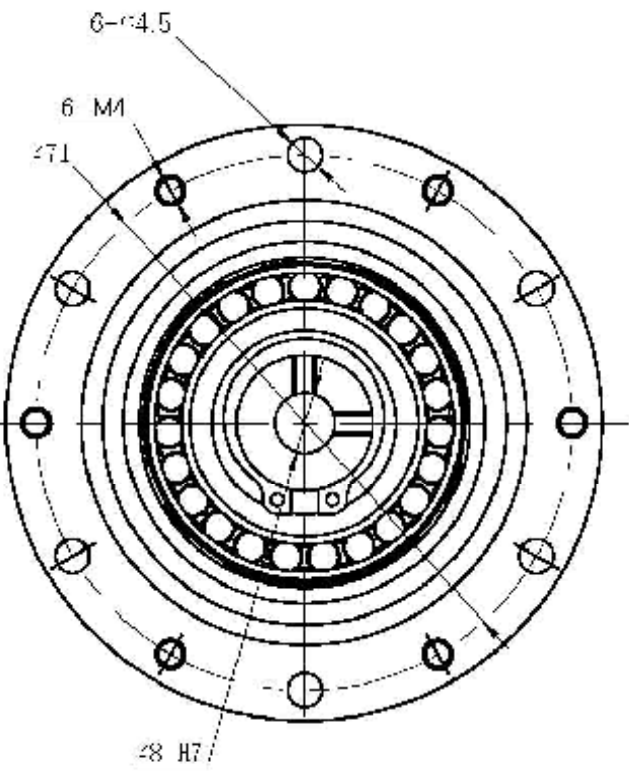
Order dimension according to final drawing according to customer confirmation

If there is update in drawing details, which will not be notified in catalog

Please avoid using minimum safety dimension when assembling with rigid spline



# Model Parameters and drawing:



## CCS-17-XXX-C-II (Rev-B-0)

Note:

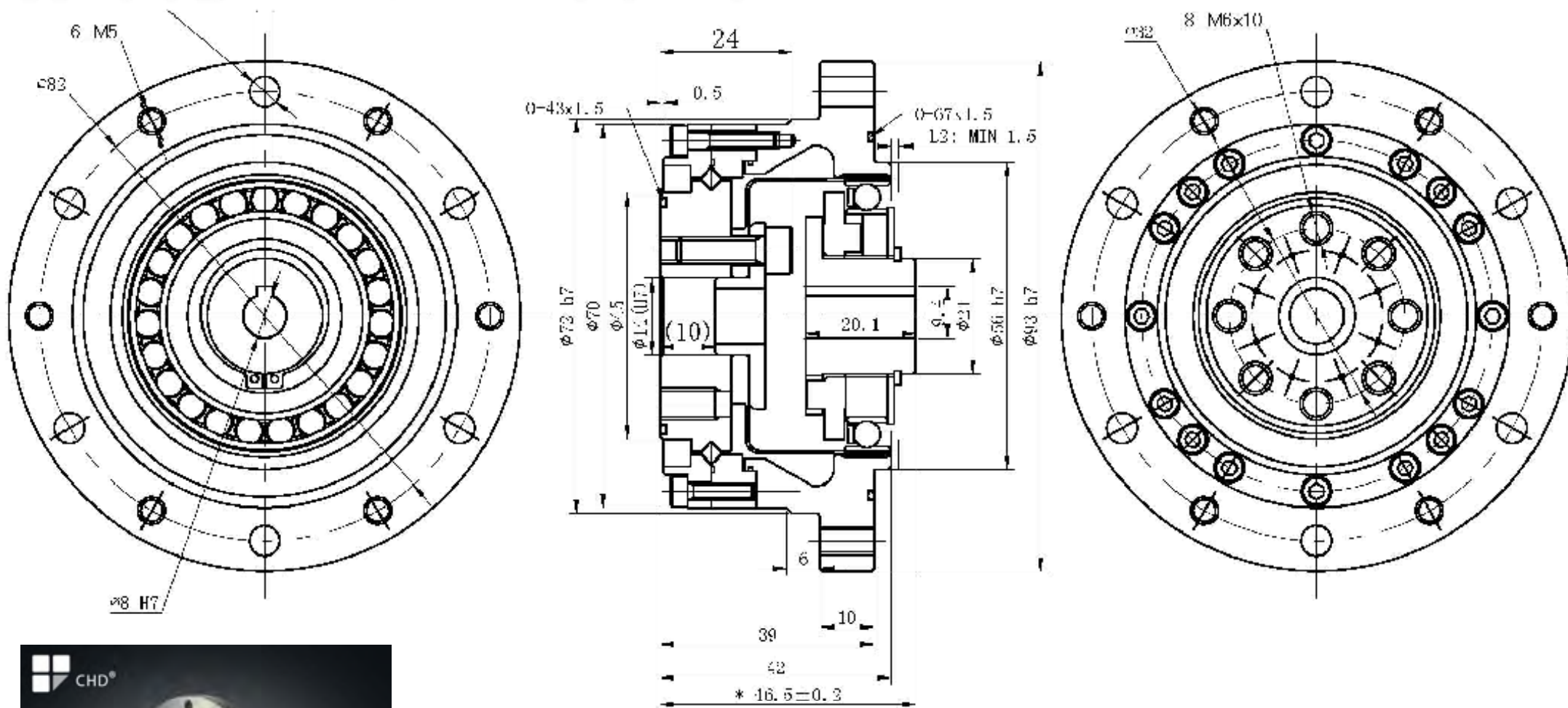
Drawings in catalog is valid within 2016

Order dimension according to final drawing according to customer confirmation

If there is update in drawing details, which will not be notified in catalog

Please avoid using minimum safety dimension when assembling with rigid spline

# Model Parameters and drawing:



**CCS-20-XXX-C-II (Rev B-0)**

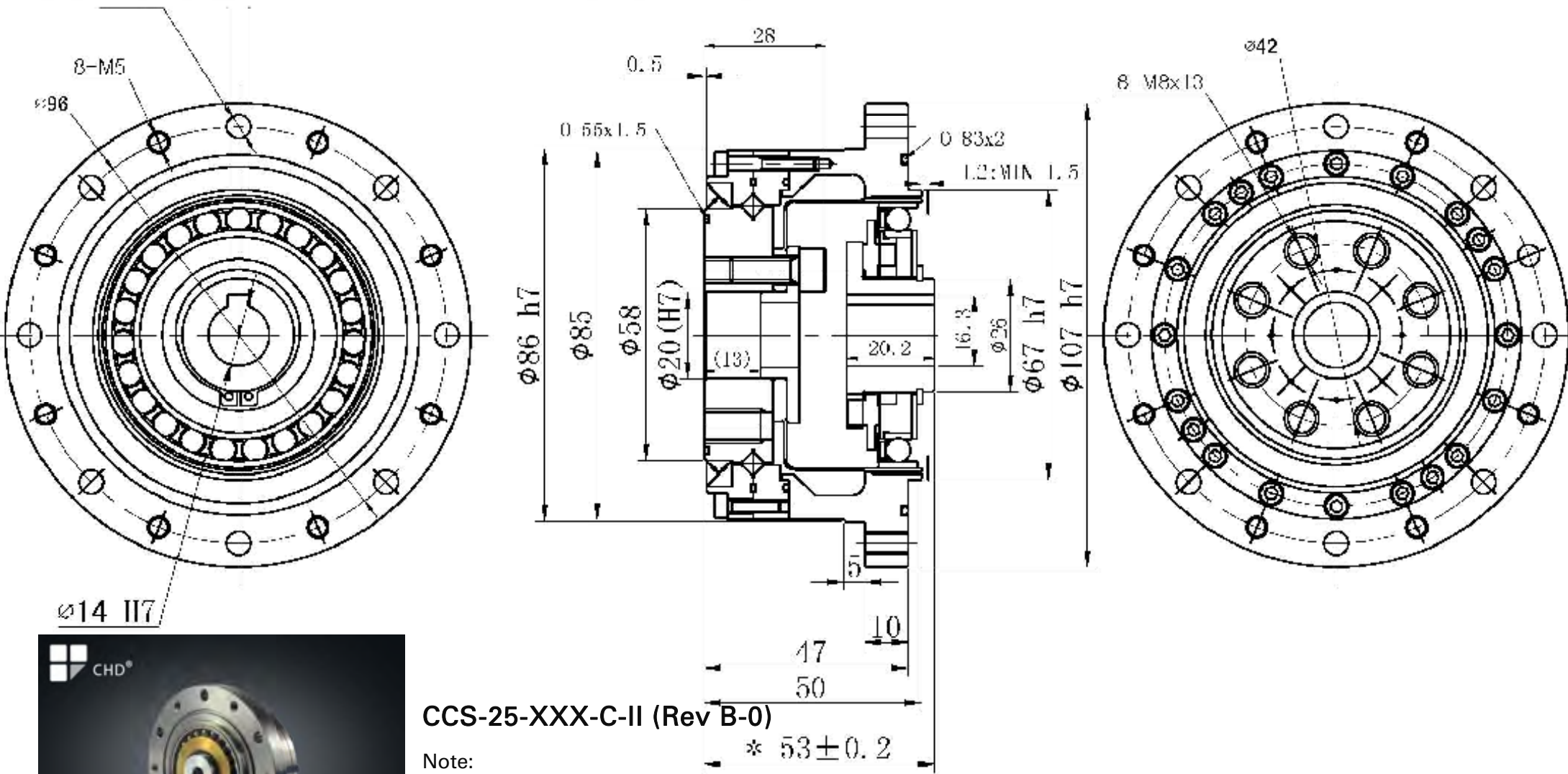
Drawings in catalog is valid within 2016

Order dimension according to final drawing according to customer confirmation

If there is update in drawing details, which will not be notified in catalog

**Please avoid using minimum safety dimension when assembling with rigid spline**

# Model Parameters and drawing:

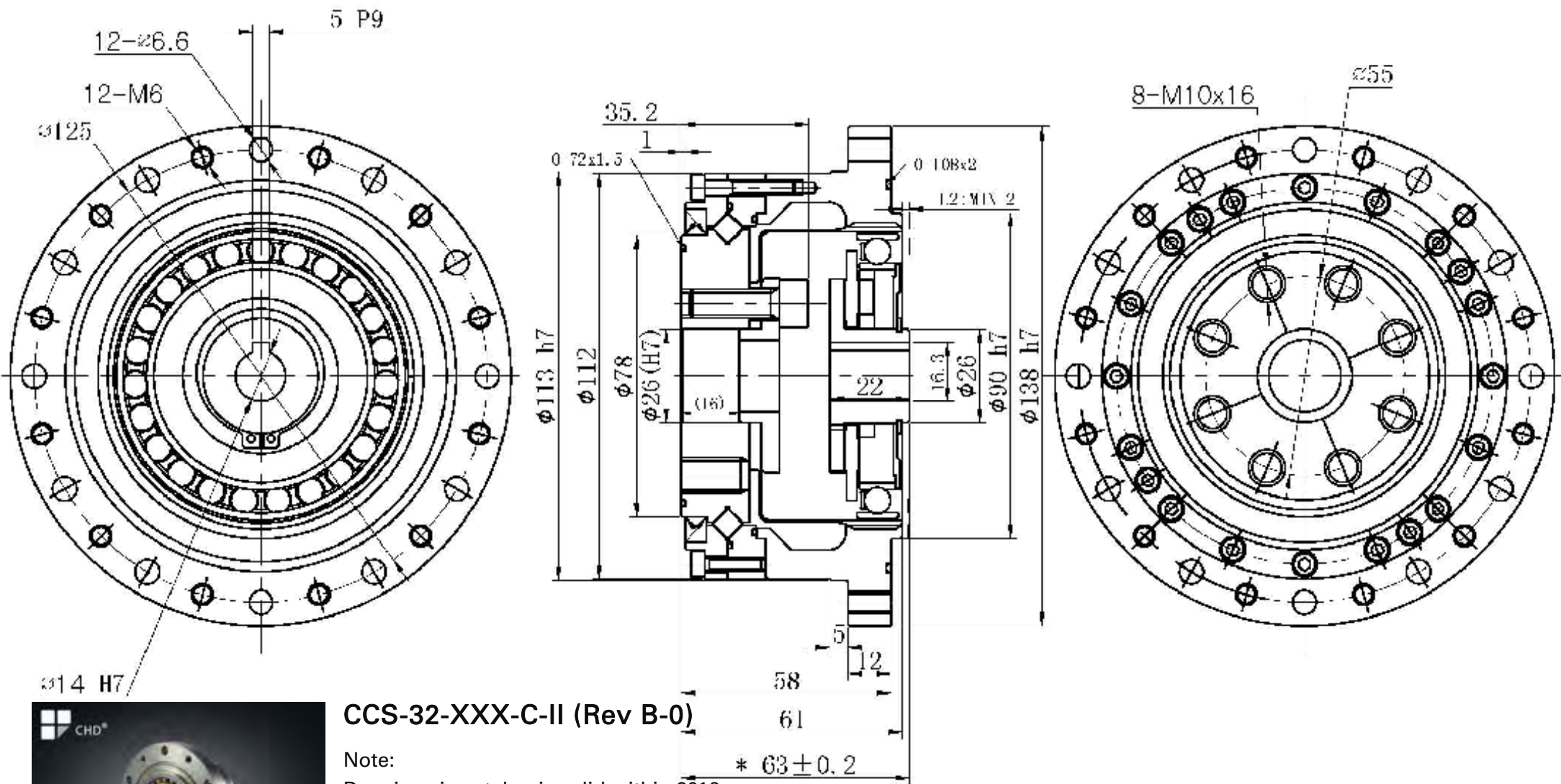


CCS-25-XXX-C-II (Rev B-0)

Note:  
 Drawings in catalog is valid within 2016  
 Order dimension according to final drawing according to customer confirmation  
 If there is update in drawing details, which will not be notified in catalog  
 Please avoid using minimum safety dimension when assembling with rigid spline



# Model Parameters and drawing:



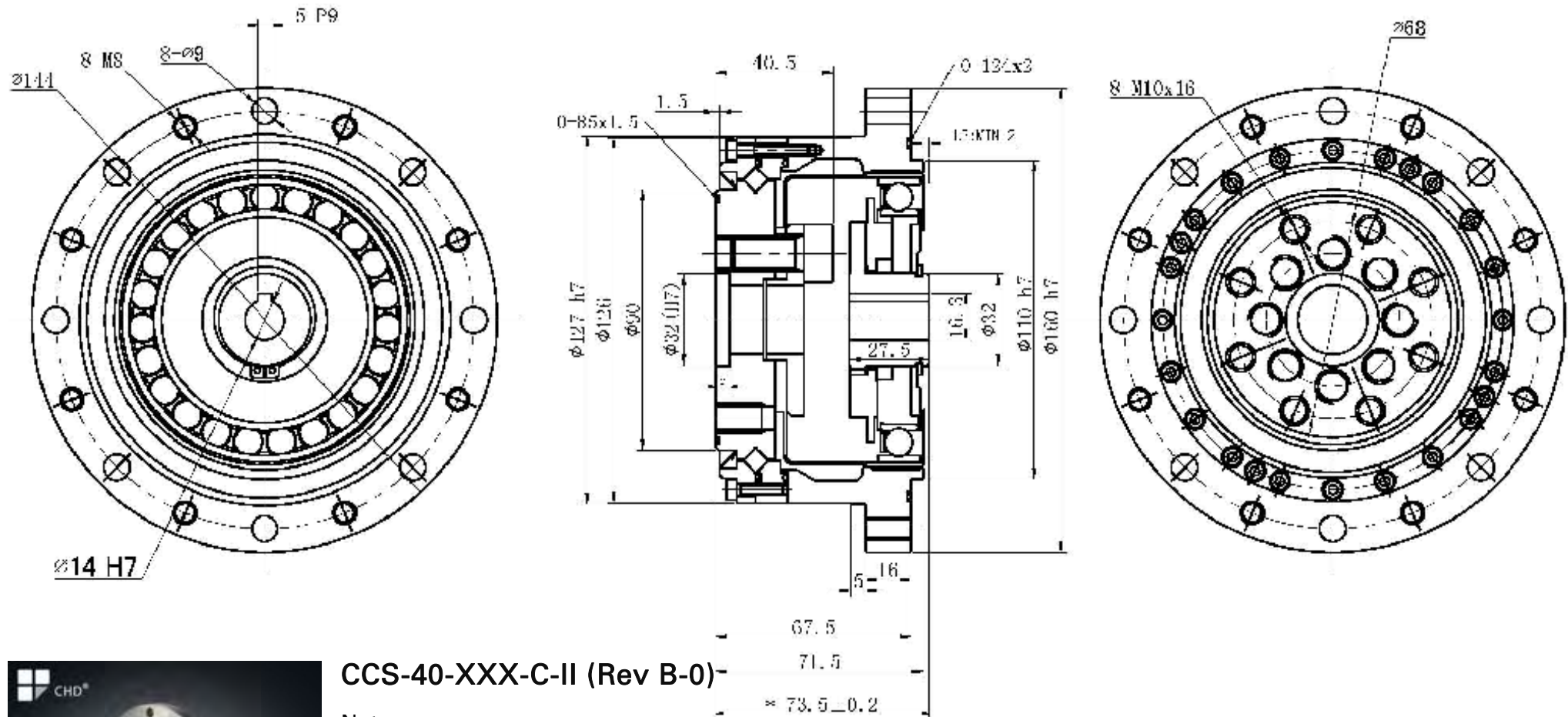
$\phi 14$  H7



**CCS-32-XXX-C-II (Rev B-0)**

Note:  
 Drawings in catalog is valid within 2016  
 Order dimension according to final drawing according to customer confirmation  
 If there is update in drawing details, which will not be notified in catalog  
**Please avoid using minimum safety dimension when assembling with rigid spline**

# Model Parameters and drawing:



**CCS-40-XXX-C-II (Rev B-0)**

Note:

Drawings in catalog is valid within 2016

Order dimension according to final drawing according to customer confirmation

If there is update in drawing details, which will not be notified in catalog

**Please avoid using minimum safety dimension when assembling with rigid spline**



# BONDY

INDUSTRIAL EQUIPMENT SUPPLIER



**Transmission**



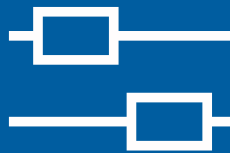
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