

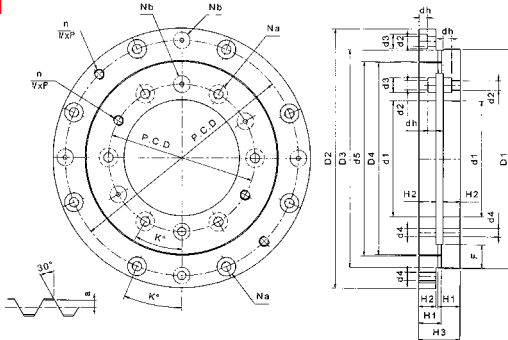
3 PCS HIRTH COUPLING

- ◎ We offer all kinds of specifications which including 24T, 36T, 40T, 48T, 60T, 72T, 360T, besides special orders also acceptable.
- ◎ Use SCM21 material, after heat treating it has high rigidity & durable impact force.
- ◎ High accuracy, interchangeable.
- ◎ Indexing accuracy:  $\pm 3$  sec, repeatability:  $\pm 1$  sec.
- ◎ High QC inspection, accuracy remains the same after long term use.

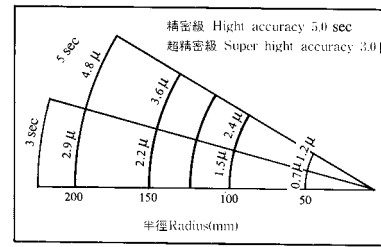
Reference Chart of Roatry Table DIA. & Hirth Coupling O.D.

| Rotary Table DIA | Ø300 | Ø400 | Ø500 | Ø630 | Ø800 | Ø1000 |
|------------------|------|------|------|------|------|-------|
| Coupling O.D.    | Ø250 | Ø320 | Ø400 | Ø450 | Ø600 | Ø800  |

## DIMENSION



## COMPARISON CHART BETWEEN ANGLE ACCURACY & LINEAR TOLERANCE



| NO. | Model NO.                          | Outside DIA. | Outside DIA. | Inside DIA. | Number of teeth | Teeth profile | Topend thickness of teeth | Inside thickness | Total thickness | Fixed bolt hole |                            |           |          | Positioning pin hole |                    |                            |               | Withdraw bolt hole |                      |                            | Pitch of top end | Allowance of pitch top end<br>±A |                |
|-----|------------------------------------|--------------|--------------|-------------|-----------------|---------------|---------------------------|------------------|-----------------|-----------------|----------------------------|-----------|----------|----------------------|--------------------|----------------------------|---------------|--------------------|----------------------|----------------------------|------------------|----------------------------------|----------------|
|     |                                    |              |              |             |                 |               |                           |                  |                 | Number of holes | P<br>·<br>C<br>·<br>D<br>· | Hole DIA. | Top DIA. | Depth of hole        | Number of pin hole | P<br>·<br>C<br>·<br>D<br>· | Angle of hole | Hole DIA.          | Number of teeth hole | P<br>·<br>C<br>·<br>D<br>· |                  |                                  | Spec. of teeth |
|     |                                    |              |              |             |                 |               |                           |                  |                 |                 |                            |           |          |                      |                    |                            |               |                    |                      |                            |                  |                                  |                |
| 1   | 024135-060 <sup>X, V1</sup><br>vo  | 135          | -            | 60          | 24              | 18            | 18.75                     | 13.5             | 34              | 6               | 80                         | 6.6       | 11       | 6.0                  | 3                  | 80                         | 30°           | 8                  | 2                    | 80                         | M8x1.25          | 1.75                             | 1.55           |
|     |                                    | -            | 175          | -           | 24              | -             | 18.75                     | 13.5             | 34              | 8               | 150                        | M10       | 14       | 8.5                  | 3                  | 150                        | 22.5°         | 8                  | 2                    | 150                        | M8x1.25          | 1.75                             | 1.55           |
| 2   | 024200-120 <sup>X, V1</sup><br>vo  | 200          | -            | 120         | 24              | 20            | 21.75                     | 16.5             | 40              | 8               | 140                        | 9.0       | 14       | 8.0                  | 3                  | 140                        | 22.5°         | 8                  | 2                    | 140                        | M8x1.25          | 1.75                             | 1.55           |
|     |                                    | -            | 255          | -           | 24              | -             | 21.75                     | 16.5             | 40              | 10              | 224                        | M12       | 17.5     | 10.5                 | 3                  | 224                        | 18°           | 10                 | 2                    | 224                        | M10x1.50         | 1.75                             | 1.55           |
| 3   | 030200-120 <sup>X, V1</sup><br>vo  | 200          | -            | 120         | 30              | 20            | 21.75                     | 16.5             | 40              | 8               | 140                        | 9.0       | 14       | 8.0                  | 3                  | 140                        | 22.5°         | 8                  | 2                    | 140                        | M8x1.25          | 1.75                             | 1.55           |
|     |                                    | -            | 255          | -           | 30              | -             | 21.75                     | 16.5             | 40              | 10              | 224                        | M12       | 17.5     | 10.5                 | 3                  | 224                        | 18°           | 10                 | 2                    | 224                        | M10x1.50         | 1.75                             | 1.55           |
| 4   | 0360250-180 <sup>X, V1</sup><br>vo | 250          | -            | 180         | 360             | 8             | 20.2                      | 18               | 40              | 12              | 205                        | 11.0      | 17.5     | 10.0                 | 3                  | 205                        | 15°           | 10                 | 2                    | 205                        | M10x1.5          | 0.2                              | 0.17           |
|     |                                    | -            | 300          | -           | 360             | 8             | 20.2                      | 18               | 40              | 12              | 270                        | M12       | 17.5     | 10.5                 | 3                  | 270                        | 15°           | 12                 | 4                    | 270                        | M12x1.75         | 0.2                              | 0.17           |
| 5   | 024270-160 <sup>X, V1</sup><br>vo  | 270          | -            | 160         | 24              | 24            | 21.75                     | 16.5             | 40              | 8               | 195                        | 11.0      | 17.5     | 10.0                 | 3                  | 195                        | 22.5°         | 10                 | 2                    | 195                        | M10x1.50         | 1.75                             | 1.55           |
|     |                                    | -            | 330          | -           | 24              | -             | 21.75                     | 16.5             | 40              | 12              | 300                        | M14       | 20       | 12.5                 | 3                  | 300                        | 15°           | 12                 | 4                    | 300                        | M12x1.75         | 1.75                             | 1.55           |
| 6   | 030270-160 <sup>X, V1</sup><br>vo  | 270          | -            | 160         | 30              | 24            | 21.75                     | 16.5             | 40              | 8               | 195                        | 11.0      | 17.5     | 10.0                 | 3                  | 195                        | 22.5°         | 10                 | 2                    | 195                        | M10x1.50         | 1.75                             | 1.55           |
|     |                                    | -            | 330          | -           | 30              | -             | 21.75                     | 16.5             | 40              | 12              | 300                        | M14       | 20       | 12.5                 | 3                  | 300                        | 15°           | 12                 | 4                    | 300                        | M12x1.75         | 1.75                             | 1.55           |
| 7   | 0360270-160 <sup>X, V1</sup><br>vo | 270          | -            | 160         | 360             | 10            | 20.2                      | 18               | 40              | 8               | 220                        | 11.0      | 17.5     | 10.0                 | 3                  | 220                        | 22.5°         | 10                 | 2                    | 220                        | M10x1.5          | 0.2                              | 0.17           |
|     |                                    | -            | 300          | -           | 360             | 10            | 20.2                      | 18               | 40              | 12              | 300                        | M14       | 20       | 12.5                 | 3                  | 300                        | 15°           | 12                 | 4                    | 300                        | M12x1.75         | 0.2                              | 0.17           |
| 8   | 048335-220 <sup>X, V1</sup><br>vo  | 335          | -            | 220         | 48              | 24            | 25.75                     | 20.5             | 48              | 12              | 258                        | 13.0      | 20       | 12.0                 | 3                  | 258                        | 15°           | 12                 | 4                    | 258                        | M12x1.75         | 1.75                             | 1.55           |
|     |                                    | -            | 400          | -           | 48              | -             | 25.75                     | 20.5             | 48              | 12              | 360                        | 13.0      | 20       | 12.5                 | 3                  | 360                        | 15°           | 12                 | 4                    | 360                        | M12x1.75         | 1.75                             | 1.55           |
| 9   | 048425-300 <sup>X, V1</sup><br>vo  | 425          | -            | 300         | 48              | 28            | 26.75                     | 21.5             | 50              | 12              | 335                        | 13.0      | 20       | 12.0                 | 3                  | 335                        | 15°           | 12                 | 4                    | 335                        | M12x1.75         | 1.75                             | 1.56           |
|     |                                    | -            | 482          | -           | 48              | -             | 26.75                     | 21.5             | 50              | 12              | 450                        | 13.0      | 20       | 12.5                 | 3                  | 450                        | 15°           | 12                 | 4                    | 450                        | M12x1.75         | 1.75                             | 1.55           |
| 10  | 060425-3000 <sup>X, V1</sup><br>vo | 425          | -            | 300         | 60              | 28            | 26.75                     | 21.5             | 50              | 12              | 335                        | 13.0      | 20       | 12.0                 | 3                  | 335                        | 15°           | 12                 | 4                    | 335                        | M12x1.75         | 1.75                             | 1.55           |
|     |                                    | -            | 482          | -           | 60              | -             | 26.75                     | 21.5             | 50              | 12              | 450                        | 13.0      | 20       | 12.5                 | 3                  | 450                        | 15°           | 12                 | 4                    | 450                        | M12x1.75         | 1.75                             | 1.55           |
| 11  | 072425-300 <sup>X, V1</sup><br>vo  | 425          | -            | 300         | 72              | 28            | 26.75                     | 21.5             | 50              | 12              | 335                        | 13.0      | 20       | 12.0                 | 3                  | 335                        | 15°           | 12                 | 4                    | 335                        | M12x1.75         | 1.75                             | 1.55           |
|     |                                    | -            | 482          | -           | 72              | -             | 26.75                     | 21.5             | 50              | 12              | 450                        | 13.0      | 20       | 12.5                 | 3                  | 450                        | 15°           | 12                 | 4                    | 450                        | M12x1.75         | 1.75                             | 1.55           |
| 12  | 0360425-300 <sup>X, V1</sup><br>vo | 425          | -            | 300         | 360             | 20            | 26                        | 21.5             | 50              | 12              | 335                        | 13.0      | 20       | 12.0                 | 3                  | 335                        | 15°           | 12                 | 4                    | 335                        | M12x1.75         | 1                                | 0.9            |
|     |                                    | -            | 482          | -           | 360             | -             | 26                        | 21.5             | 50              | 12              | 450                        | 13.0      | 20       | 12.5                 | 3                  | 450                        | 15°           | 12                 | 4                    | 450                        | M12x1.75         | 1                                | 0.9            |
| 13  | 048540-415 <sup>X, V1</sup><br>vo  | 540          | -            | 415         | 48              | 32            | 29.25                     | 24.0             | 55              | 12              | 450                        | 13.0      | 20       | 12.0                 | 3                  | 450                        | 15°           | 12                 | 4                    | 450                        | M12x1.75         | 1.75                             | 1.55           |
|     |                                    | -            | 604          | -           | 48              | -             | 29.25                     | 24.0             | 55              | 12              | 570                        | 17.0      | 26       | 16.5                 | 3                  | 570                        | 15°           | 12                 | 4                    | 570                        | M12x1.75         | 1.75                             | 1.55           |
| 14  | 060540-415 <sup>X, V1</sup><br>vo  | 540          | -            | 415         | 60              | 32            | 29.25                     | 24.0             | 55              | 12              | 450                        | 13.0      | 20       | 12.0                 | 3                  | 450                        | 15°           | 12                 | 4                    | 450                        | M12x1.75         | 1.75                             | 1.55           |
|     |                                    | -            | 604          | -           | 60              | -             | 29.25                     | 24.0             | 55              | 12              | 570                        | 17.0      | 26       | 16.5                 | 3                  | 570                        | 15°           | 12                 | 4                    | 570                        | M12x1.75         | 1.75                             | 1.55           |
| 15  | 072540-415 <sup>X, V1</sup><br>vo  | 540          | -            | 415         | 72              | 32            | 29.25                     | 24.0             | 55              | 12              | 450                        | 13.0      | 20       | 12.0                 | 3                  | 450                        | 15°           | 12                 | 4                    | 450                        | M12x1.75         | 1.75                             | 1.55           |
|     |                                    | -            | 604          | -           | 72              | -             | 29.25                     | 24.0             | 55              | 12              | 570                        | 17.0      | 26       | 16.5                 | 3                  | 570                        | 15°           | 12                 | 4                    | 570                        | M12x1.75         | 1.75                             | 1.55           |
| 16  | 0360540-415 <sup>X, V1</sup><br>vo | 540          | -            | 415         | 360             | 24            | 29                        | 24.0             | 55              | 12              | 450                        | 13.0      | 20       | 12.0                 | 3                  | 450                        | 15°           | 12                 | 2                    | 450                        | M12x1.75         | 1.5                              | 1.4            |
|     |                                    | -            | 604          | -           | 360             | -             | 29                        | 24.0             | 55              | 12              | 570                        | 17.0      | 26       | 16.5                 | 3                  | 570                        | 15°           | 12                 | 2                    | 570                        | M12x1.75         | 1.5                              | 1.4            |