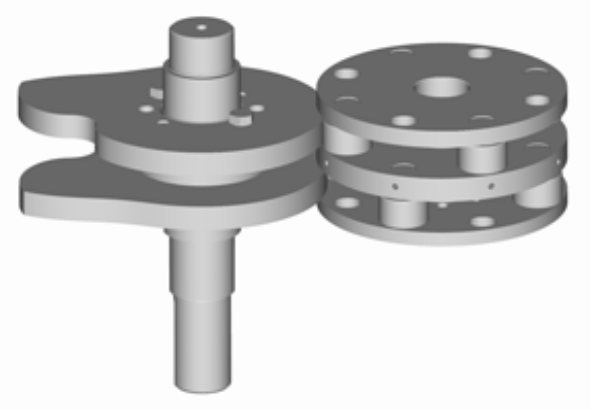
IMC Parallel Index Drives are ideal for high-speed applications or for actuation-type applications such as driving a linkage or a conveyor. Parallel Index Drive features include:

- **Hardened and ground conjugate cams**
- Yoke-mounted, preloaded cam followers are non-reversing for **high capacity** and **speed capability**
- Whole or fractions stops, oscillating and **complex custom motions** are available
- **Long Transfer Distances** achieved with simple linkages.
- **Greatest** power transmission **efficiency** when compared to other indexing geometries.
- Preloaded, tapered roller bearings for **rigidity** and **backlash-free** operation.



**IMC Parallel Index Drives** feature two plate cams mounted as a conjugate pair. The follower wheel has one cam follower above and another below the center line of the input, producing a preloaded locking action. Parallel indexers are capable of producing high speeds, large output displacements and low number of stops. Their input and output shaft design is best suited for any type of inline conveying system, shuttle drives and lift-and-carry mechanisms.

**High Speed**
Designed for high speed indexing, IMC Parallel Series index drives are capable of up to 2,000 indexes per minute. They feature cam followers that do not reverse rotation during index and that remain preloaded throughout the entire motion.

**Rugged Design**
IMC cam followers are yoke mounted and supported on both ends, making the Parallel Series capable of absorbing momentary overloads. Their special preloaded, tapered roller bearings add rigidity and backlash-free operation.

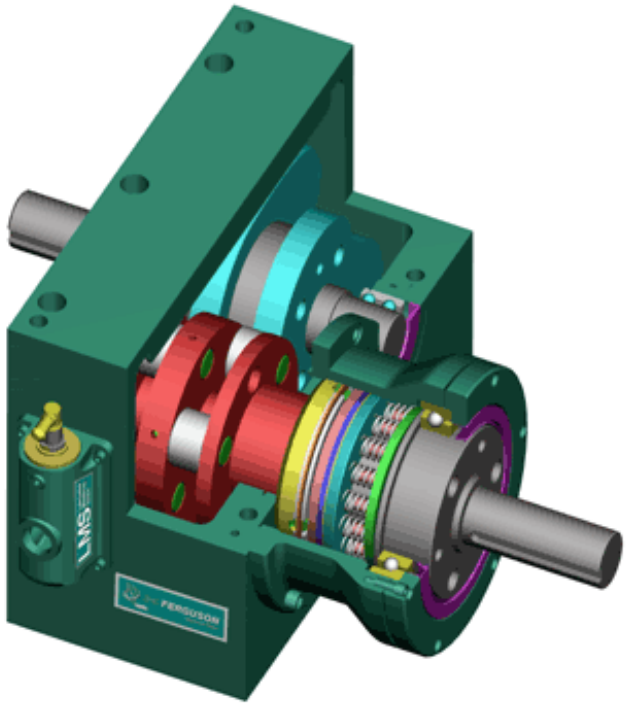
**Design and Operation Efficiency**
Parallel Indexers provide greater efficiency in power transmission and a higher torque-to-dollar ratio than alternative methods of motion.

**Universal Mounting / Double Shafts**
The Parallel Indexer can be mounted on any of six sides. The indexer is also available with double input and/or output shafts.

**Application Versatility**
IMC Parallel Series Index Drives are available in whole or fractional stops in over 1,000 standard and special

motions including Oscillating motions. They provide higher speed and longer linear transfers when compared to other motion devices such as air, hydraulic and geneva mechanisms.

## Guardian



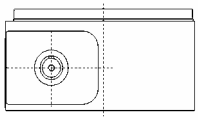
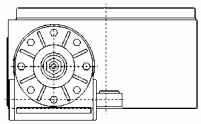
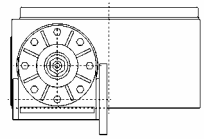
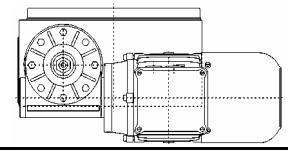

The Guardian Series parallel index drive includes all the features of the **Parallel series** along with an **Internal Torque Limiting Clutch**. The internal clutch provides design and assembly flexibility and reduces critical debugging time. Also ideal for harsh environments.

### Applications

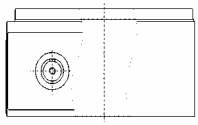
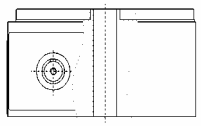
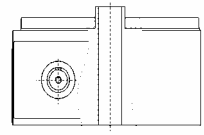
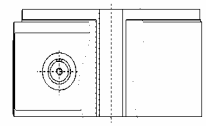
The Guardian Series, with an internal torque-limiting clutch, is ideal for conveyor applications requiring indexing motion as well as for linear motions using crank or oscillating arm attachments.

| | |
|---|---|
| Plate Cams<br><br>Popular, economical design used in low speed applications. |  |
| **Globoidal Cams**<br>Complex, tapered rib globoidal cams, commonly known as roller gear cams, are the heart of IMC's indexers. Controlled follower preloads increase follower life, speeds and accuracy for the ultimate solution in motion control. |  |
| **Face-Grooved Cams**<br>Medium speed cams utilizing a groove slightly larger than the follower diameter providing minimal running clearance and reduced backlash. |  |
| **Conjugate Cams**<br>Dual cams controlling preloaded followers which provide higher speed capabilities and better accuracy. |  |
| **Barrel Cams**<br>Cylindrical cams which can be provided as an end cam, grooved type with minimal follower clearance or as a ribbed type utilizing preloaded followers for increased life and accuracy. |  |

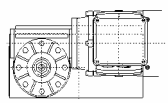
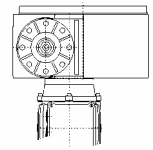
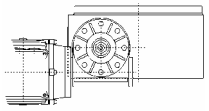
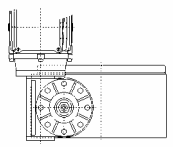
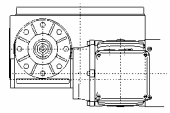
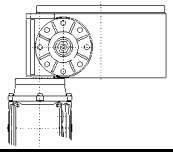
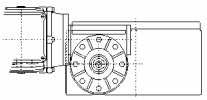
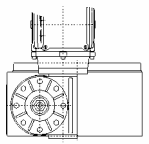
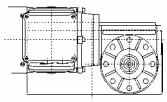
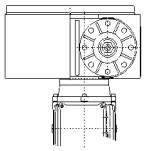
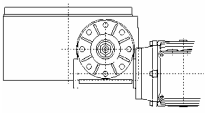
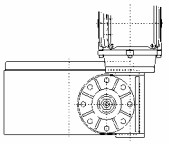
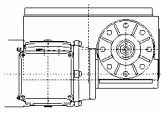
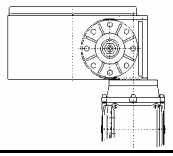
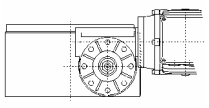
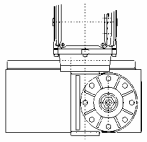
## Versions

| ☐ GS with free input shaft | ☐ GU with reducer with free input shaft | ☐ GUF with reducer with motor flange | ☐ GM with geared motor<br>☐ GB with geared brake motor |
|---|---|---|---|
|  |  |  |  |

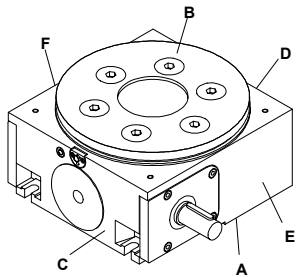
## Central tube models

| ☐ VS without central tube | ☐ VCT with fix central tube | ☐ VCP with fix central tube overcomimg | ☐ VCR with rotary central tube |
|---|---|---|---|
|  |  |  |  |

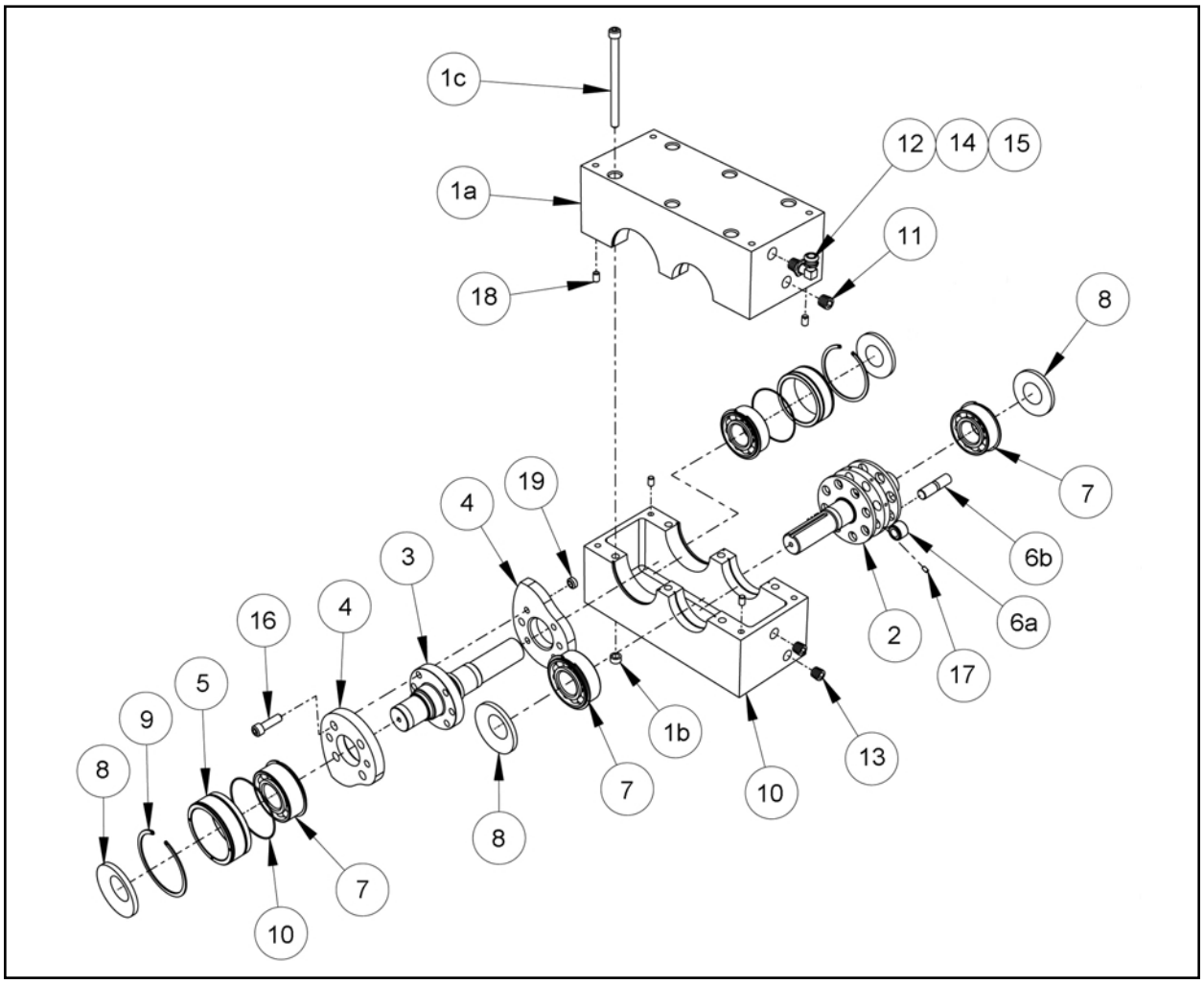
## Mounting position of reducer

| | | | | |
|---|---|---|---|---|
| on surfaces E | ☐ 71  | ☐ 72  | ☐ 73  | ☐ 74  |
| | ☐ 75  | ☐ 76  | ☐ 77  | ☐ 78  |
| on surfaces F | ☐ 81  | ☐ 82  | ☐ 83  | ☐ 84  |
| | ☐ 85  | ☐ 86  | ☐ 87  | ☐ 88  |

| **Surfaces** | **A** | **B** | **C** | **D** | **E** | **F** | **Preference** |
|---|---|---|---|---|---|---|---|
| 1 surfaces with input shaft | | | | | ■ | □ | E |
| 2 surfaces with output shaft | | ■ | | | | | B |
| 3 surfaces with fastening bores | ■ | □ | | □ | | | A |
| 4 surfaces with oil bores | □ | | ■ | | | | C |
| 5 lower surface after installation | ■ | □ | | □ | | | A |



The sketches contained in this document are for illustrative purposes only. They are intended to represent the component but may not be shown to scale. The various models may be different than shown, depending upon options chosen or the particular configuration of a unit.




**ParaDex Parts List**

1. Housing
1a. Housing Halves
1b. Threaded Inserts – Nutsert
1c. Socket Head Cap Screw (5” Long)
2. Output Shaft
3. Cam Shaft
4. Cams
5. Eccentric Bushings (2)
6a. Cam Follower Bearing
6b. Cam Follower Stud
7. Double Row Ball Bearing (4)
8. Shaft Seals (4)
9. Snap Ring (2)
10. “O” Ring (2)
11. Oil Gage
12. Vent
13. Pipe Plug (2)
14. Adapter
15. 90° Street Ell
16. Socket Head Cap Screw (Cam)
17. Set Screw
18. Dowel Pin
19. Threaded Insert - Nutsert

### 1.6.2 Lubricating Facilities and Installation Positions, Series 40P- 130P

**Bottom face D or F**

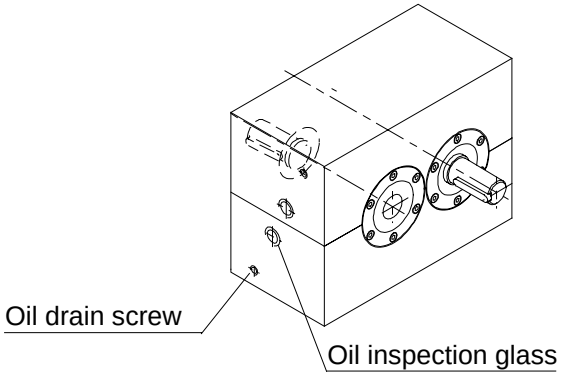



Fig. 7

**Bottom face C or E**

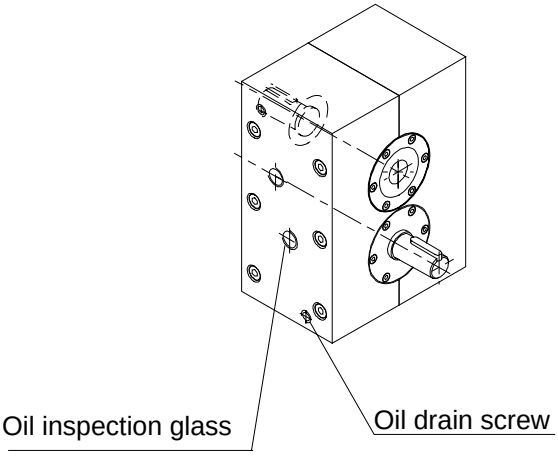



Fig. 8

**Bottom face A or B**
Face with oil holes corresponding to order

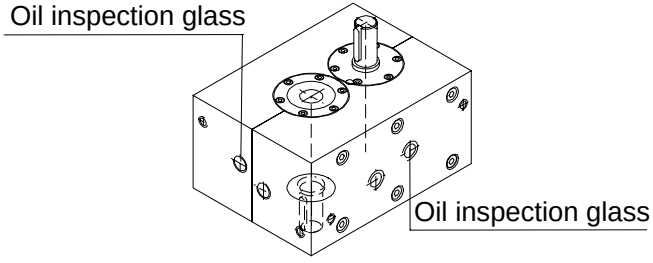



Fig. 9

**Permanent lubrication**
Installation position arbitrary

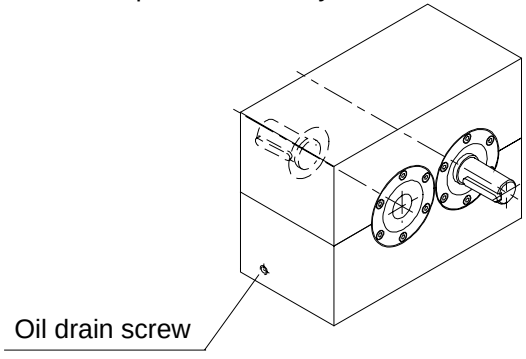
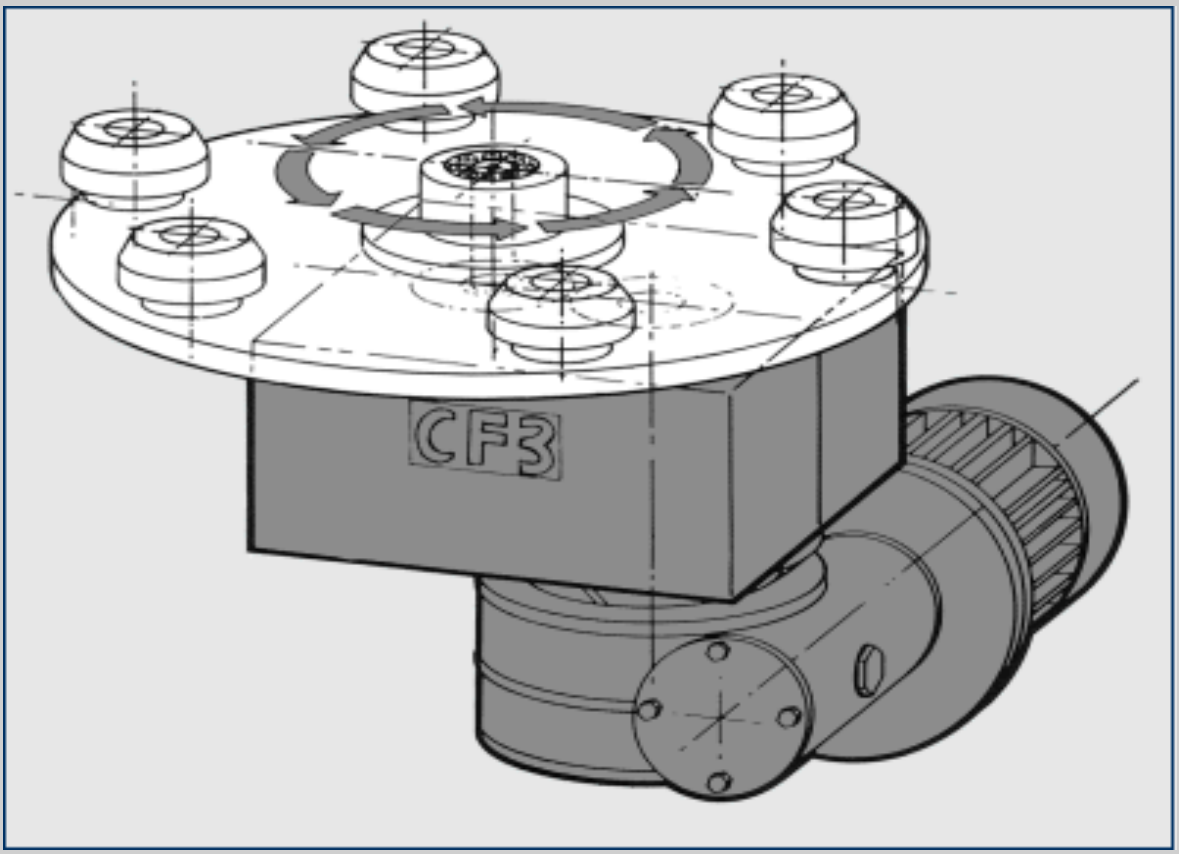
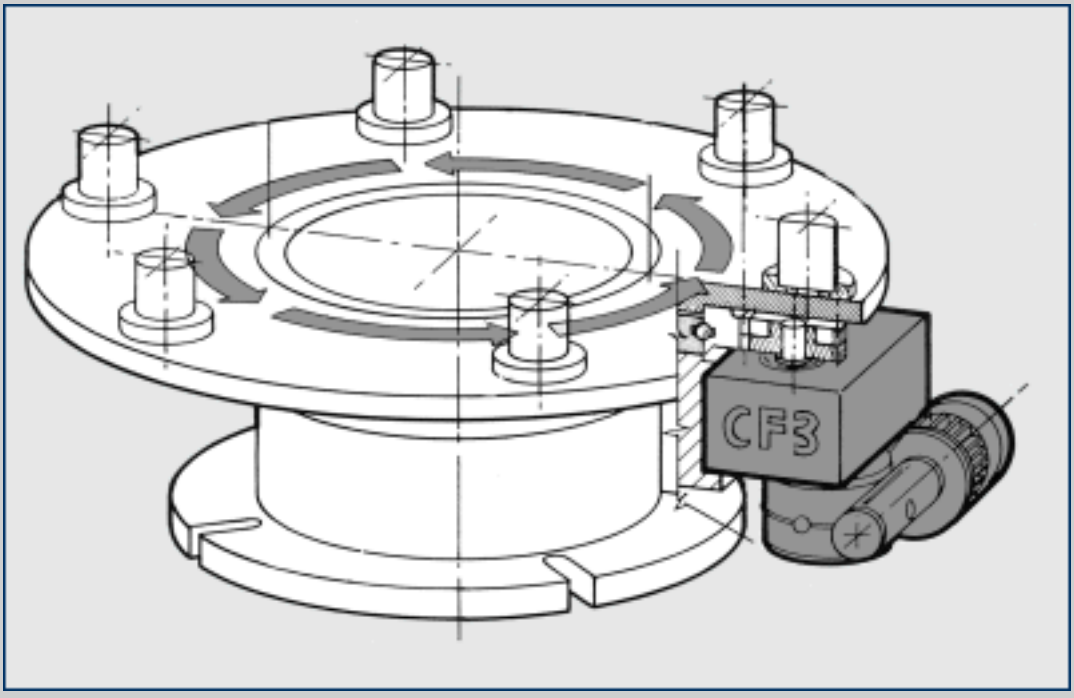



Fig. 10

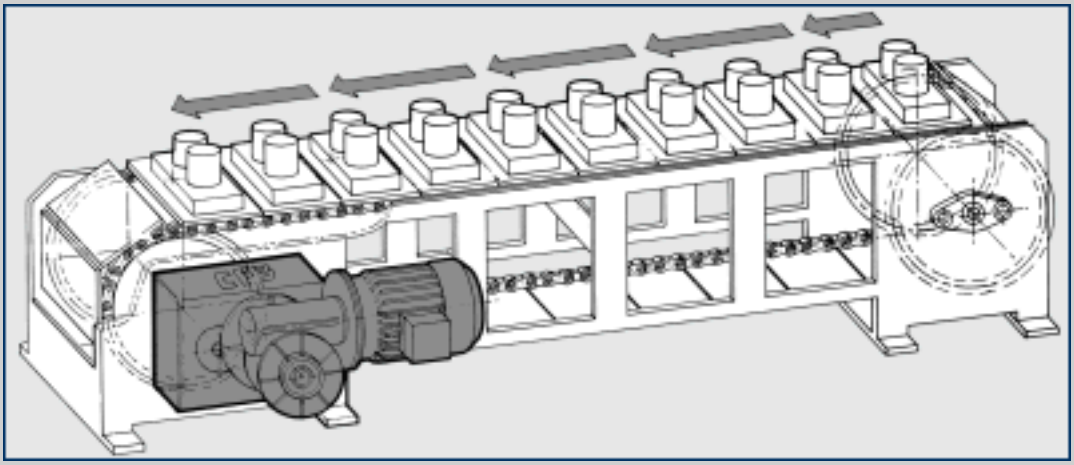
# CF3 index drives Application examples



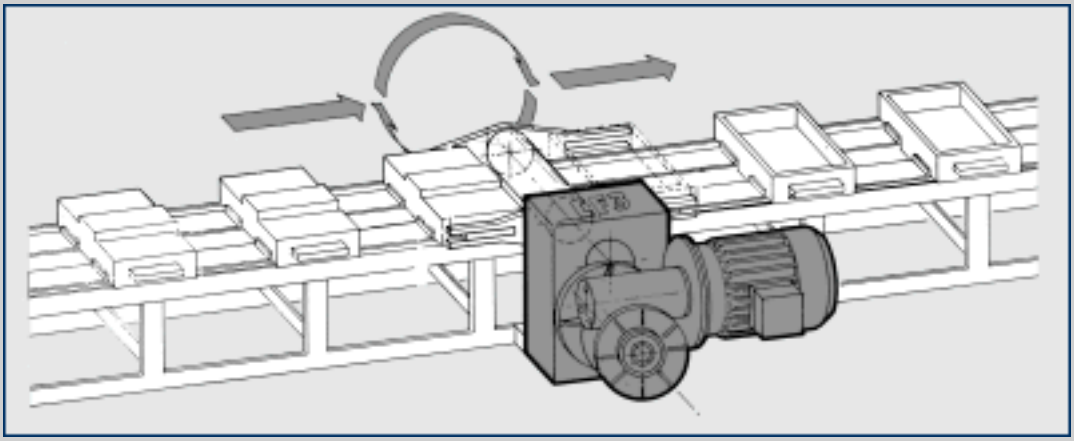

**drive of indexing table**
CF3 index drive as drive of an indexing table, wich is directly connected with the indexer.




**drive of indexing table**
CF3 index drive as drive of an indexing table, wich isdriven by a gear transmission that is connected in series with the indexer.

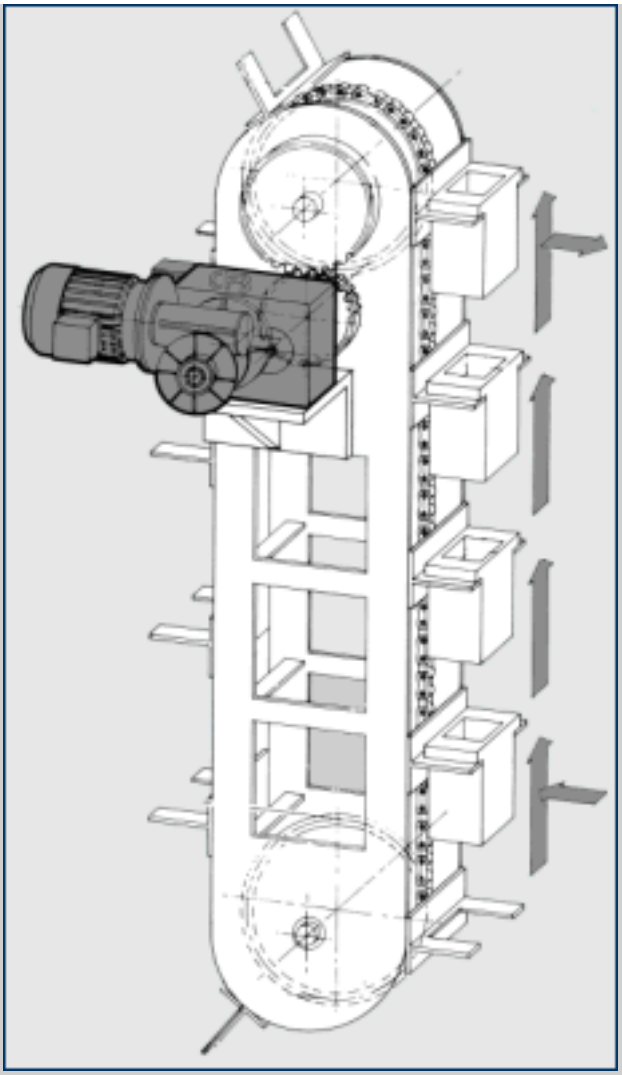


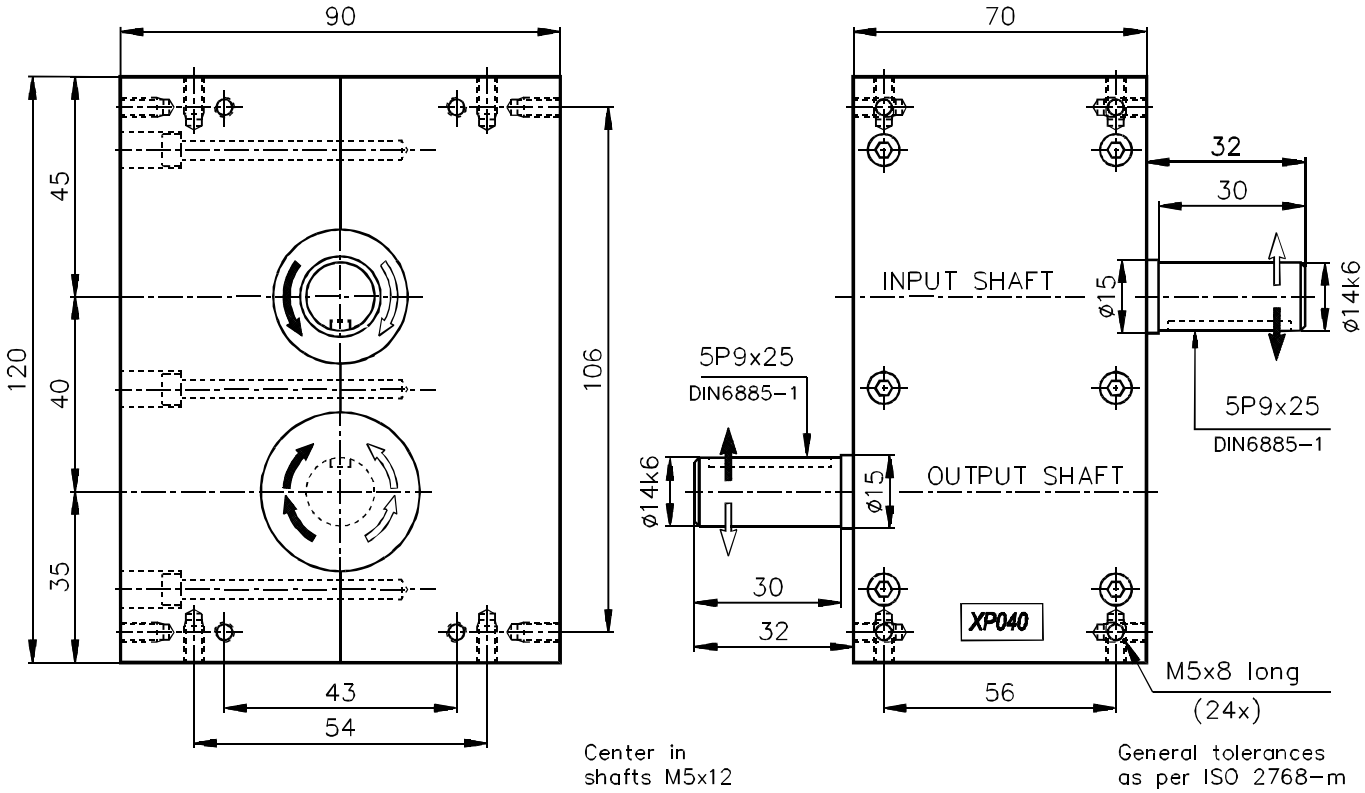
**drive of plate conveyor**
CF3 index drive as drive of a steel plate conveyor.



**turning station**
CF3 index drive as drive for a turning station.

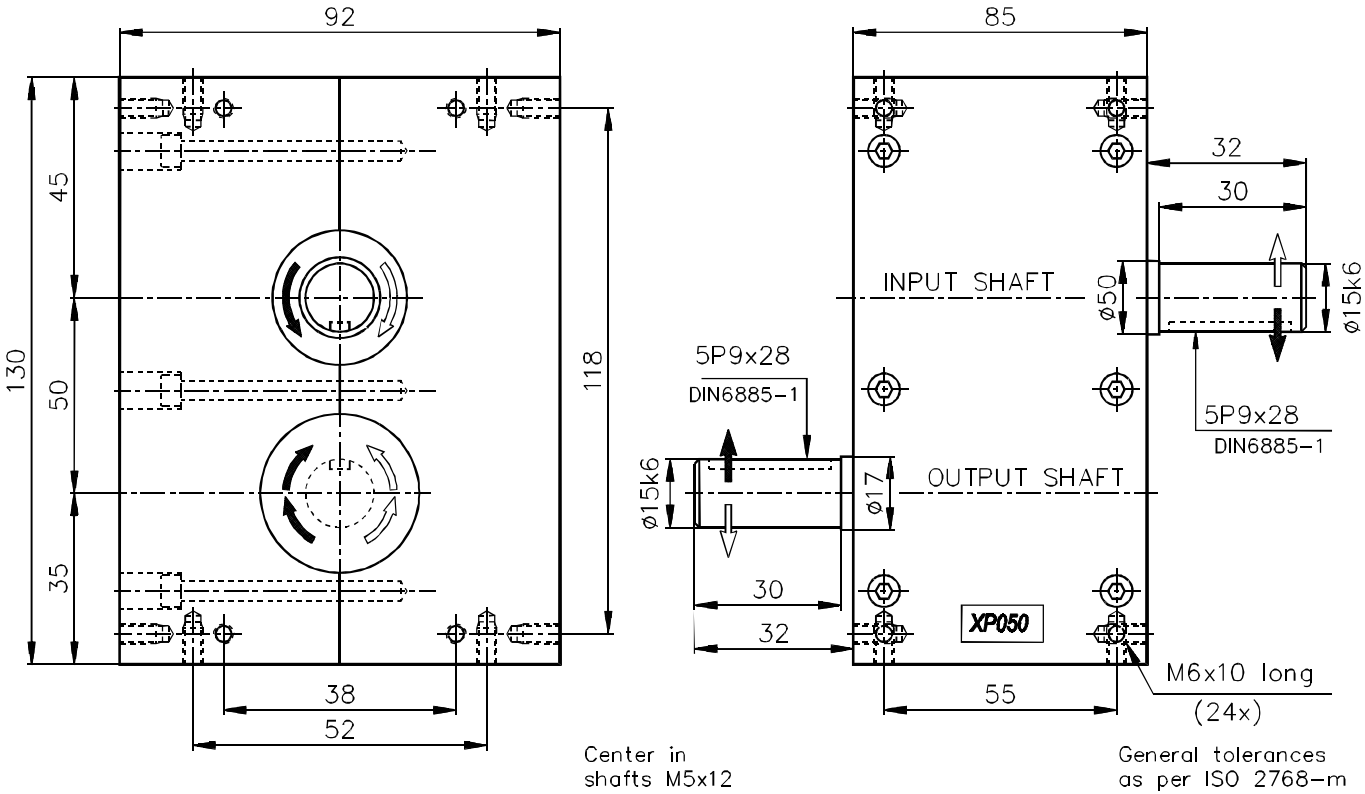
**Elevator**
CF3 index drive as drive for an elevator.





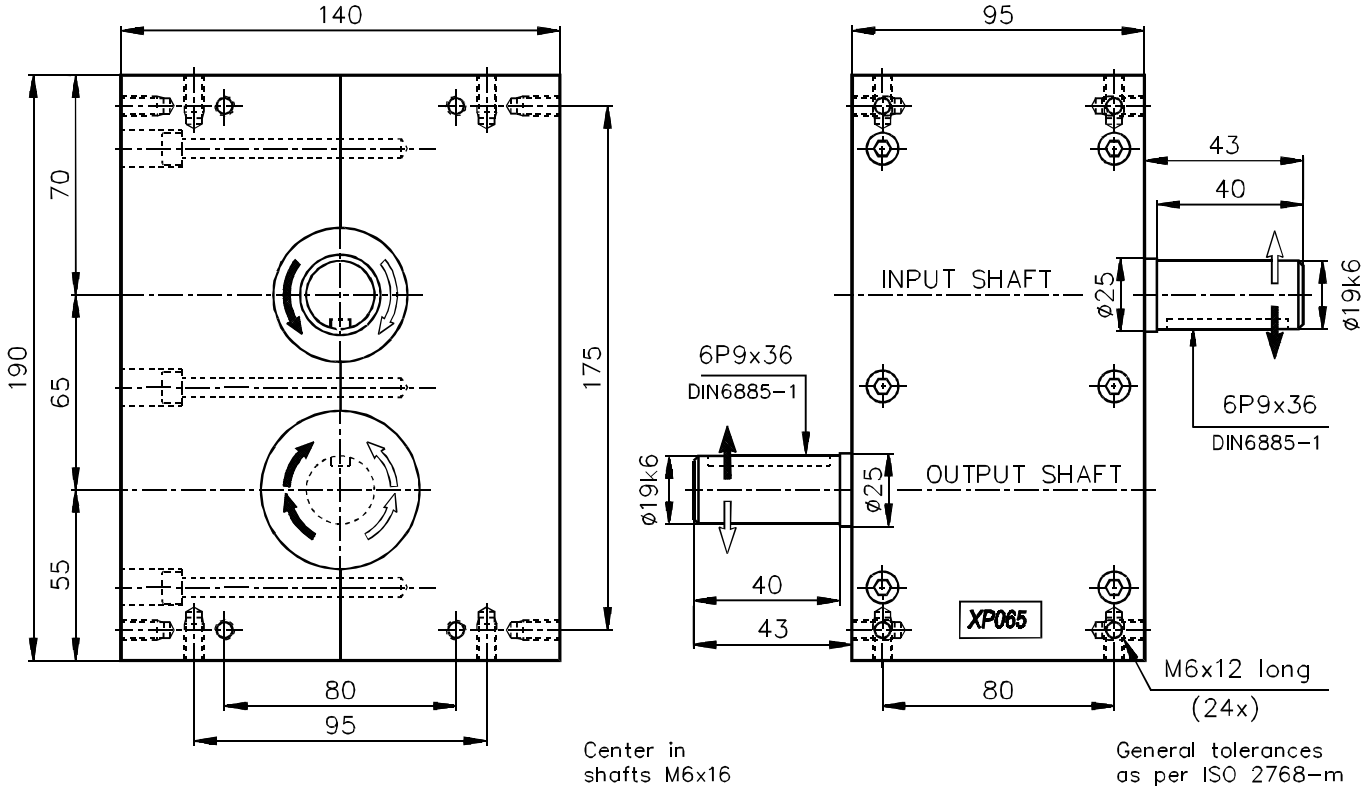

| Standard Indexer | | | | | | |
|---|---|---|---|---|---|---|
| Number of stops n | Index angle α [°] from - to | Law of motion | Output torque at indexes/min [Nm] 50 | 100 | 200 | Followers at pitch radius [mm] |
| **1** | 300 | mS 50 | 19 | 16 | 14 | 14 |
| | 330 | mS 30 | 19 | 16 | 13 | 14 |
| **2** | 150 | mS 50 | 22 | 18 | 15 | 14 |
| | 180-210 | mS 30 | 22 | 18 | 15 | 14 |
| | 240-300 | mS 0 | 20 | 16 | 14 | 14 |
| **3** | 120 | mS 30 | 26 | 25 | 21 | 14 |
| | 150 | mS 0 | 26 | 24 | 20 | 14 |
| | 180-300 | mS 0 | 24 | 20 | 16 | 14 |
| **4** | 90 | mS 0 | 22 | 22 | 20 | 14 |
| | 120-180 | mS 0 | 21 | 20 | 17 | 14 |
| | 210-300 | mS 0 | 20 | 19 | 16 | 14 |
| **5** | 120-180 | mS 0 | 25 | 25 | 23 | 18 |
| | 210-300 | mS 0 | 24 | 24 | 20 | 18 |
| **6*** | 150 | mS 0 | 25 | 25 | 23 | 14 |
| | 180 | mS 0 | 25 | 25 | 22 | 14 |
| | 210-300 | mS 0 | 24 | 23 | 19 | 14 |
| **8*** | 120 | mS 0 | 21 | 21 | 21 | 14 |
| | 150-180 | mS 0 | 20 | 20 | 20 | 14 |
| | 210-300 | mS 0 | 20 | 20 | 18 | 14 |
| **10*** | 150-300 | mS 0 | 25 | 25 | 24 | 18 |
| | 210-300 | mS 0 | 23 | 23 | 23 | 18 |

- Standard followers - Ø 12 mm.
- Housing made out of aluminium, weight approx. 2 kg.
- Internal moment of inertia 0,0001 kgm$^2$.
- Torque during dwell approx. 20 % higher than permissible torque at 50 indexes/min.
- Keyways on input and output shafts positioned in the middle of a dwell.
- Keyways to DIN 6885/1.
- Reversibility of rotation possibile.
- Long life lubrication.
- * Indexer with 6, 8 or 10 stops requires 2 revolutions per input shaft rotation.
- Drawings with detailed dimensions available on CAD (DXF, DWG).
- A full range of reducer, clutch and brake options, as well as output overloads, is available.
- A wide range of further number of stops, index angles, and motion laws including oscillating movements is available.
- 



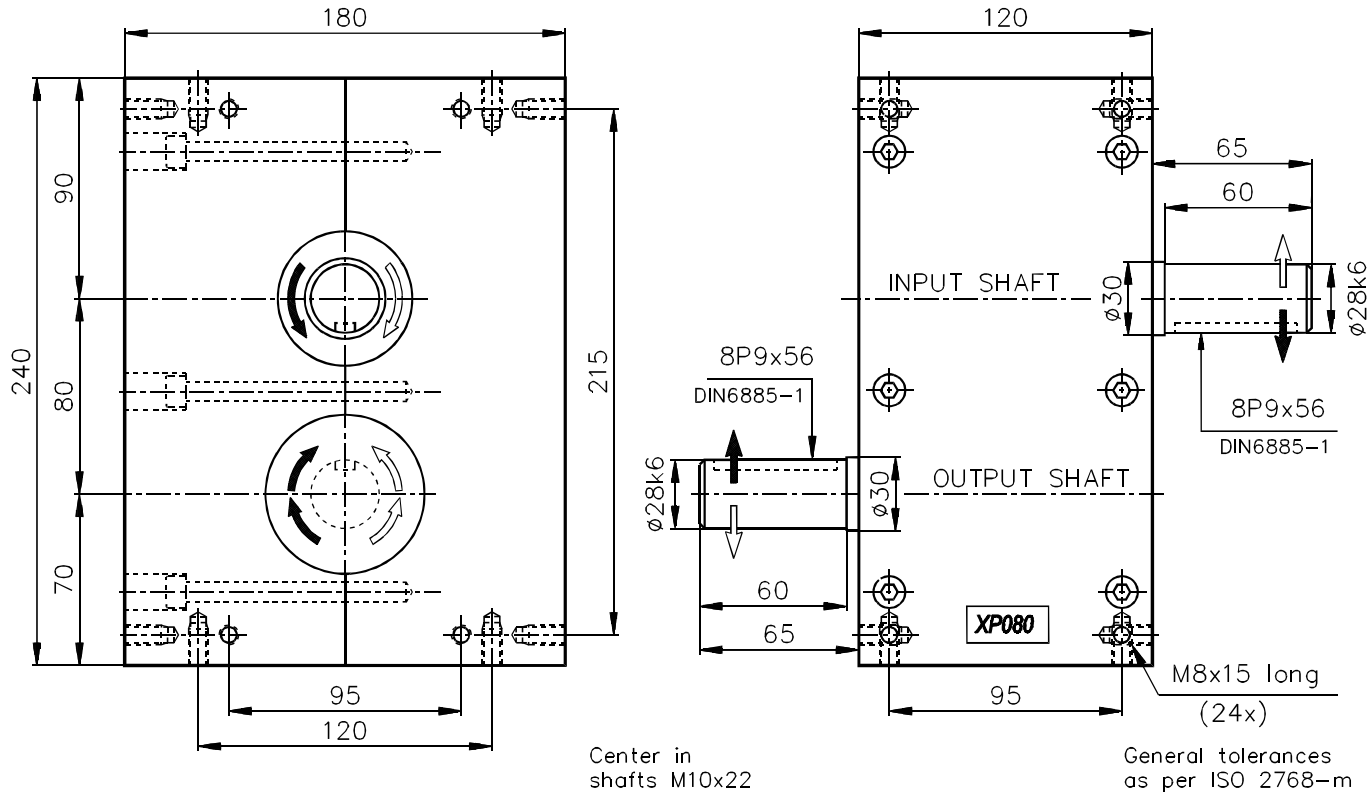

| Standard Indexer | | | | | | |
|---|---|---|---|---|---|---|
| Number of stops n | Index angle α [°] from - to | Law of motion | Output torque at indexes/min [Nm] 50 | 100 | 200 | Followers at pitch radius [mm] |
| **1** | 300 | mS 50 | 37 | 30 | 24 | 18 |
| | 330 | mS 30 | 37 | 30 | 24 | 18 |
| **2** | 160 | mS 50 | 38 | 35 | 28 | 18 |
| | 180-210 | mS 30 | 38 | 33 | 26 | 18 |
| | 240-300 | mS 0 | 46 | 37 | 30 | 20 |
| **3** | 120 | mS 30 | 45 | 45 | 39 | 18 |
| | 150 | mS 0 | 53 | 53 | 45 | 20 |
| | 180-300 | mS 0 | 50 | 45 | 37 | 20 |
| **4** | 105 | mS 0 | 39 | 39 | 38 | 18 |
| | 120-180 | mS 0 | 43 | 43 | 39 | 20 |
| | 210-300 | mS 0 | 41 | 41 | 34 | 20 |
| **5** | 120-180 | mS 0 | 42 | 42 | 41 | 22 |
| | 210-300 | mS 0 | 40 | 40 | 36 | 22 |
| **6*** | 180 | mS 0 | 51 | 51 | 51 | 20 |
| | 210-300 | mS 0 | 49 | 49 | 44 | 20 |
| **8*** | 150-180 | mS 0 | 42 | 42 | 42 | 20 |
| | 210-300 | mS 0 | 40 | 40 | 40 | 20 |
| **10*** | 150-180 | mS 0 | 40 | 40 | 40 | 22 |
| | 210-300 | mS 0 | 39 | 39 | 39 | 22 |

- Standard followers - Ø 16 mm.
- Housing made out of aluminium, weight approx. 3 kg.
- Internal moment of inertia 0,0006 kgm$^2$.
- Torque during dwell approx. 20 % higher than permissible torque at 50 indexes/min.
- Keyways on input and output shafts positioned in the middle of a dwell.
- Keyways to DIN 6885/1.
- Reversibility of rotation possibile.
- Long life lubrication.
- * Indexer with 6, 8 or 10 stops requires 2 revolutions per input shaft rotation.
- Drawings with detailed dimensions available on CAD (DXF, DWG).
- A full range of reducer, clutch and brake options, as well as output overloads, is available.
- A wide range of further number of stops, index angles, and motion laws including oscillating movements is available.
- 




| Standard Indexer | | | | | | |
|---|---|---|---|---|---|---|
| Number of stops n | Index angle α [°] from - to | Law of motion | Output torque at indexes/min [Nm] 50 | 100 | 200 | Followers at pitch radius [mm] |
| **1** | 300 | mS 50 | 48 | 39 | 31 | 25 |
| | 330 | mS 30 | 42 | 34 | 27 | 23 |
| **2** | 150 | mS 50 | 49 | 41 | 32 | 23 |
| | 180-210 | mS 30 | 54 | 44 | 35 | 25 |
| | 240-300 | mS 0 | 51 | 41 | 33 | 25 |
| **3** | 120 | mS 30 | 57 | 55 | 44 | 23 |
| | 150 | mS 0 | 66 | 62 | 50 | 25 |
| | 180-300 | mS 0 | 62 | 50 | 41 | 25 |
| **4** | 90 | mS 0 | 51 | 50 | 45 | 23 |
| | 120-180 | mS 0 | 52 | 52 | 43 | 25 |
| | 210-300 | mS 0 | 50 | 45 | 37 | 25 |
| **5** | 120-180 | mS 0 | 55 | 55 | 51 | 29 |
| | 210-300 | mS 0 | 53 | 53 | 43 | 29 |
| **6*** | 150 | mS 0 | 57 | 57 | 53 | 23 |
| | 180 | mS 0 | 63 | 63 | 57 | 25 |
| | 210-300 | mS 0 | 61 | 61 | 49 | 25 |
| **8*** | 120 | mS 0 | 47 | 47 | 47 | 23 |
| | 150-180 | mS 0 | 51 | 51 | 51 | 25 |
| | 210-300 | mS 0 | 49 | 49 | 44 | 25 |
| **10*** | 150-180 | mS 0 | 54 | 54 | 54 | 29 |
| | 210-300 | mS 0 | 51 | 51 | 51 | 29 |

- Standard followers - Ø 16 mm.
- Housing made out of aluminium, weight approx. 8 kg.
- Internal moment of inertia 0,0007 kgm$^2$.
- Torque during dwell approx. 20 % higher than permissible torque at 50 indexes/min.
- Keyways on input and output shafts positioned in the middle of a dwell.
- Keyways to DIN 6885/1.
- Reversibility of rotation possibile.
- Long life lubrication.
- * Indexer with 6, 8 or 10 stops requires 2 revolutions per input shaft rotation.
- Drawings with detailed dimensions available on CAD (DXF, DWG).
- A full range of reducer, clutch and brake options, as well as output overloads, is available.
- A wide range of further number of stops, index angles, and motion laws including oscillating movements is available.
- 




| Standard Indexer | | | | | | |
|---|---|---|---|---|---|---|
| Number of stops n | Index angle α [°] from - to | Law of motion | Output torque at indexes/min [Nm] 50 | 100 | 200 | Followers at pitch radius [mm] |
| **1** | 300 | mS 50 | 115 | 93 | 74 | 30 |
| | 330 | mS 30 | 115 | 93 | 75 | 30 |
| **2** | 150 | mS 50 | 116 | 93 | 73 | 27 |
| | 180-210 | mS 30 | 129 | 104 | 84 | 30 |
| | 240-300 | mS 0 | 121 | 99 | 80 | 30 |
| **3** | 120 | mS 30 | 144 | 128 | 102 | 27 |
| | 150 | mS 0 | 171 | 148 | 119 | 30 |
| | 180-300 | mS 0 | 149 | 121 | 98 | 30 |
| **4** | 90 | mS 0 | 126 | 125 | 103 | 27 |
| | 120-180 | mS 0 | 135 | 126 | 102 | 30 |
| | 210-300 | mS 0 | 130 | 109 | 88 | 30 |
| **5** | 120-180 | mS 0 | 152 | 152 | 129 | 36 |
| | 210-300 | mS 0 | 145 | 136 | 111 | 36 |
| **6*** | 150 | mS 0 | 144 | 144 | 123 | 27 |
| | 180 | mS 0 | 164 | 164 | 137 | 30 |
| | 210-300 | mS 0 | 158 | 158 | 106 | 30 |
| **8*** | 120 | mS 0 | 117 | 117 | 115 | 27 |
| | 150-180 | mS 0 | 132 | 132 | 123 | 30 |
| | 210-300 | mS 0 | 127 | 127 | 106 | 30 |
| **10*** | 150-180 | mS 0 | 147 | 147 | 147 | 36 |
| | 210-300 | mS 0 | 141 | 141 | 132 | 36 |

- Standard followers - Ø 25 mm.
- Housing made out of aluminium, weight approx. 16 kg.
- Internal moment of inertia 0,003 kgm$^2$.
- Torque during dwell approx. 20 % higher than permissible torque at 50 indexes/min.
- Keyways on input and output shafts positioned in the middle of a dwell.
- Keyways to DIN 6885/1.
- Reversibility of rotation possibile.
- Long life lubrication.
- * Indexer with 6, 8 or 10 stops requires 2 revolutions per input shaft rotation.
- Drawings with detailed dimensions available on CAD (DXF, DWG).
- A full range of reducer, clutch and brake options, as well as output overloads, is available.
- A wide range of further number of stops, index angles, and motion laws including oscillating movements is available.
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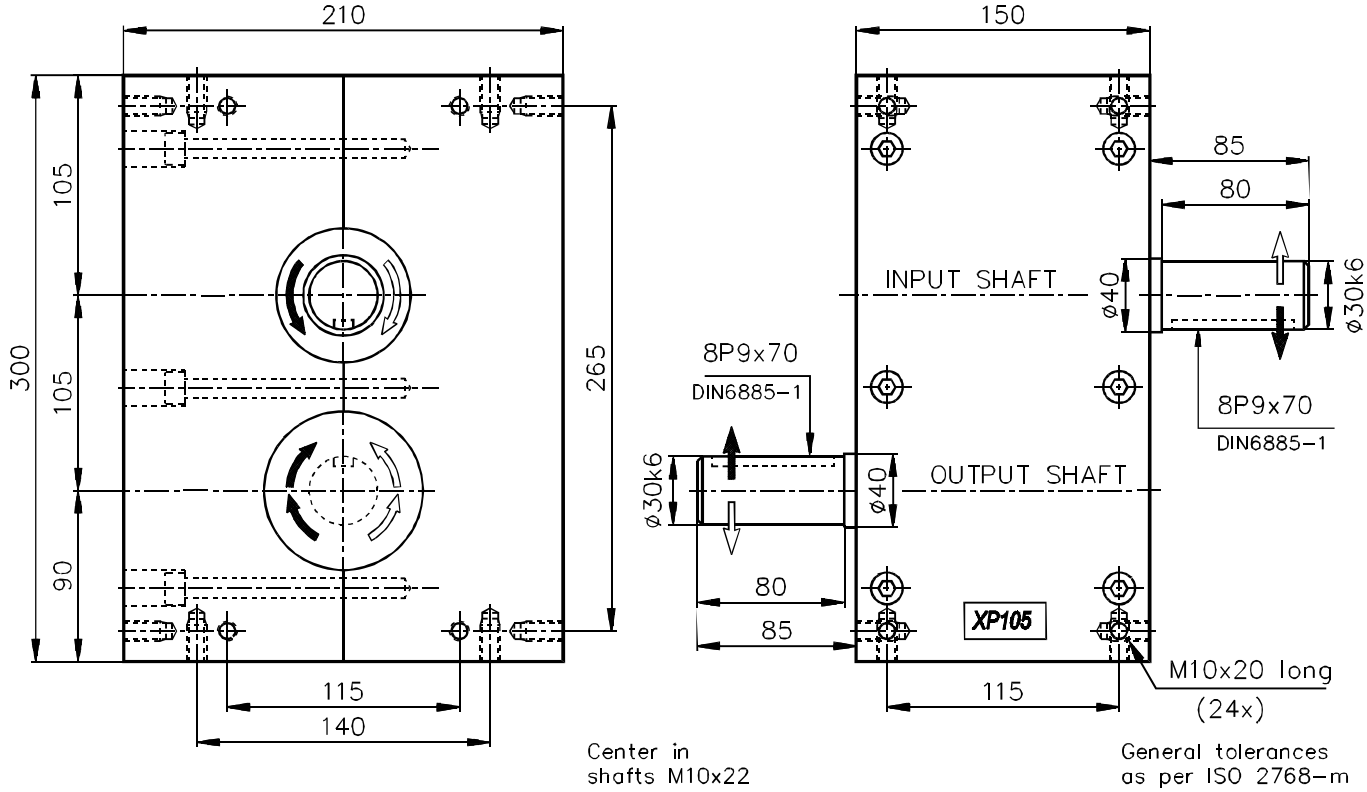
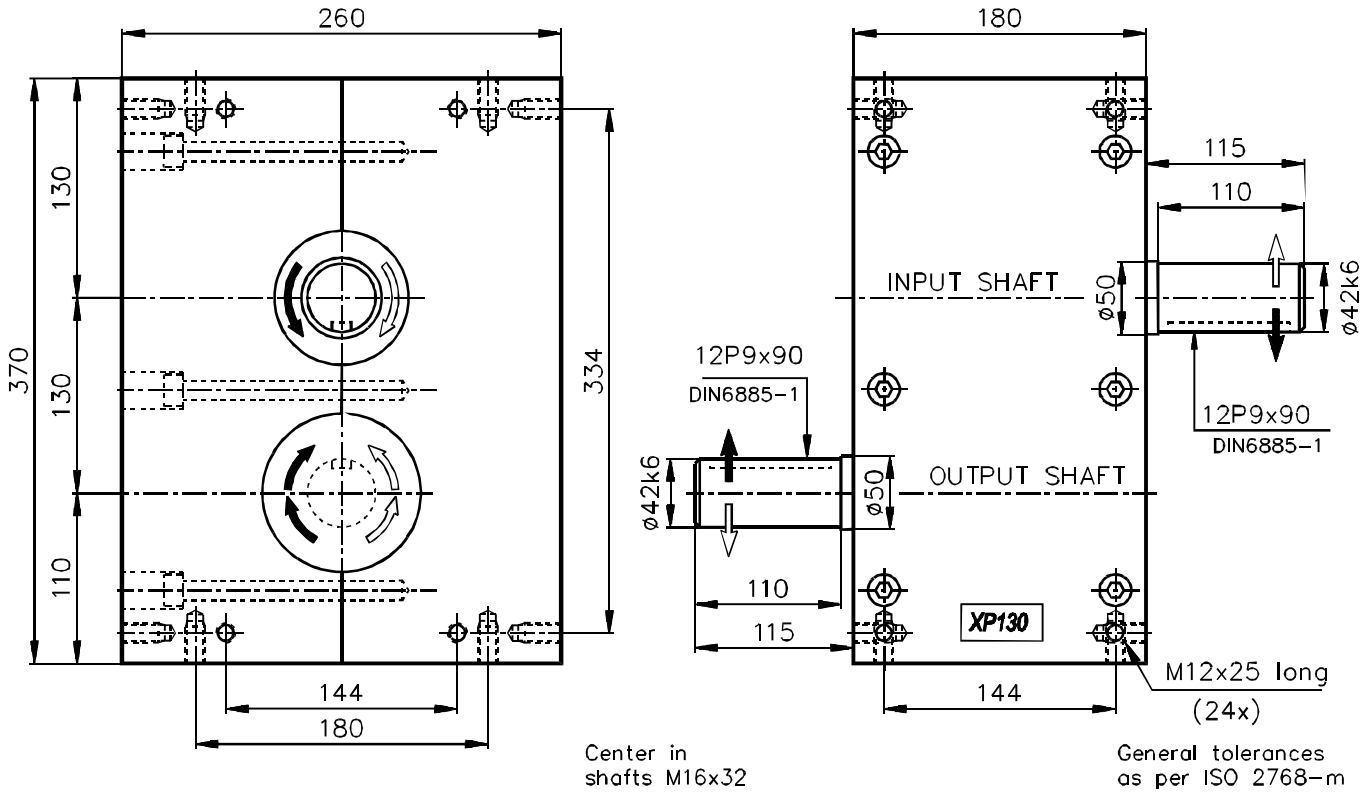



| Standard Indexer | | | | | | |
|---|---|---|---|---|---|---|
| Number of stops n | Index angle α [°] from - to | Law of motion | Output torque at indexes/min [Nm] 50 | 100 | 200 | Followers at pitch radius [mm] |
| **1** | 300 | mS 50 | 264 | 213 | 168 | 40 |
| | 330 | mS 30 | 216 | 175 | 138 | 35 |
| **2** | 150 | mS 50 | 254 | 204 | 155 | 35 |
| | 180-210 | mS 30 | 297 | 240 | 191 | 40 |
| | 240-300 | mS 0 | 280 | 227 | 183 | 40 |
| **3** | 120 | mS 30 | 335 | 281 | 219 | 35 |
| | 150 | mS 0 | 412 | 339 | 271 | 40 |
| | 180-300 | mS 0 | 343 | 278 | 225 | 40 |
| **4** | 90 | mS 0 | 292 | 284 | 221 | 35 |
| | 120-180 | mS 0 | 328 | 291 | 234 | 40 |
| | 210-300 | mS 0 | 309 | 251 | 203 | 40 |
| **5** | 120-180 | mS 0 | 355 | 354 | 285 | 47 |
| | 210-300 | mS 0 | 339 | 303 | 245 | 47 |
| **6*** | 150 | mS 0 | 335 | 334 | 269 | 35 |
| | 180 | mS 0 | 397 | 389 | 314 | 40 |
| | 210-300 | mS 0 | 381 | 335 | 271 | 40 |
| **8*** | 120 | mS 0 | 272 | 271 | 252 | 35 |
| | 150-180 | mS 0 | 319 | 319 | 282 | 40 |
| | 210-300 | mS 0 | 306 | 300 | 243 | 40 |
| **10*** | 150-300 | mS 0 | 345 | 345 | 344 | 47 |
| | 210-300 | mS 0 | 329 | 329 | 294 | 47 |

- Standard followers - Ø 35 mm.
- Housing made out of aluminium, weight approx. 32 kg.
- Internal moment of inertia 0,007 kgm$^2$.
- Torque during dwell approx. 20 % higher than permissible torque at 50 indexes/min.
- Keyways on input and output shafts positioned in the middle of a dwell.
- Keyways to DIN 6885/1.
- Reversibility of rotation possibile.
- Long life lubrication.
- * Indexer with 6, 8 or 10 stops requires 2 revolutions per input shaft rotation.
- Drawings with detailed dimensions available on CAD (DXF, DWG).
- A full range of reducer, clutch and brake options, as well as output overloads, is available.
- A wide range of further number of stops, index angles, and motion laws including oscillating movements is available.
- 




| Standard Indexer | | | | | | |
|---|---|---|---|---|---|---|
| Number of stops n | Index angle α [°] from – to | Law of motion | Output torque at indexes/min [Nm] | | | Followers at pitch radius [mm] |
| | | | 50 | 100 | 200 | |
| **1** | 300 | mS 50 | 407 | 328 | 253 | 50 |
| | 330 | mS 30 | 359 | 290 | 227 | 46 |
| **2** | 150 | mS 50 | 428 | 341 | 251 | 46 |
| | 180-210 | mS 30 | 459 | 370 | 290 | 50 |
| | 240-300 | mS 0 | 432 | 350 | 280 | 50 |
| **3** | 120 | mS 30 | 544 | 466 | 357 | 46 |
| | 150 | mS 0 | 624 | 522 | 412 | 50 |
| | 180-300 | mS 0 | 529 | 429 | 345 | 50 |
| **4** | 90 | mS 0 | 479 | 473 | 363 | 46 |
| | 120-180 | mS 0 | 497 | 449 | 359 | 50 |
| | 210-300 | mS 0 | 477 | 387 | 312 | 50 |
| **5** | 120-180 | mS 0 | 543 | 542 | 443 | 59 |
| | 210-300 | mS 0 | 519 | 473 | 382 | 59 |
| **6*** | 150 | mS 0 | 545 | 543 | 446 | 46 |
| | 180 | mS 0 | 601 | 600 | 483 | 50 |
| | 210-300 | mS 0 | 576 | 517 | 418 | 50 |
| **8*** | 120 | mS 0 | 446 | 444 | 421 | 46 |
| | 150-180 | mS 0 | 484 | 483 | 435 | 50 |
| | 210-300 | mS 0 | 464 | 463 | 375 | 50 |
| **10*** | 150-180 | mS 0 | 528 | 528 | 525 | 59 |
| | 210-300 | mS 0 | 504 | 504 | 458 | 59 |

- Standard followers - Ø 40 mm.
- Housing made out of aluminium, weight approx. 45 kg.
- Internal moment of inertia 0,03 kgm$^2$.
- Torque during dwell approx. 20 % higher than permissible torque at 50 indexes/min.
- Keyways on input and output shafts positioned in the middle of a dwell.
- Keyways to DIN 6885/1.
- Reversibility of rotation possibile.
- Long life lubrication.
- * Indexer with 6, 8 or 10 stops requires 2 revolutions per input shaft rotation.
- Drawings with detailed dimensions available on CAD (DXF, DWG).
- A full range of reducer, clutch and brake options, as well as output overloads, is available.
- A wide range of further number of stops, index angles, and motion laws including oscillating movements is available.
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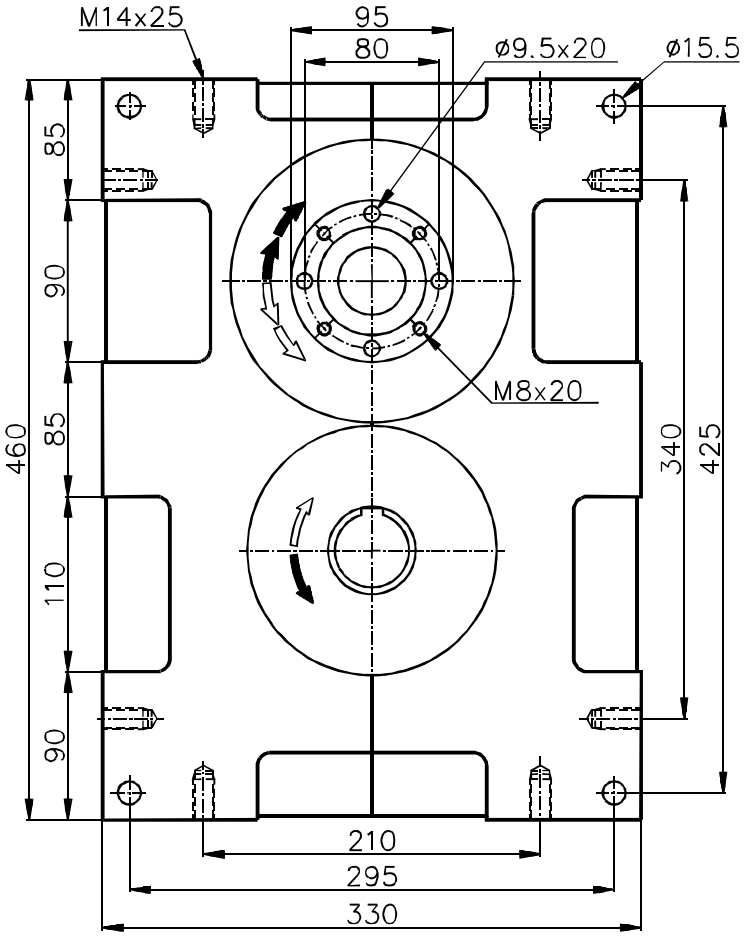


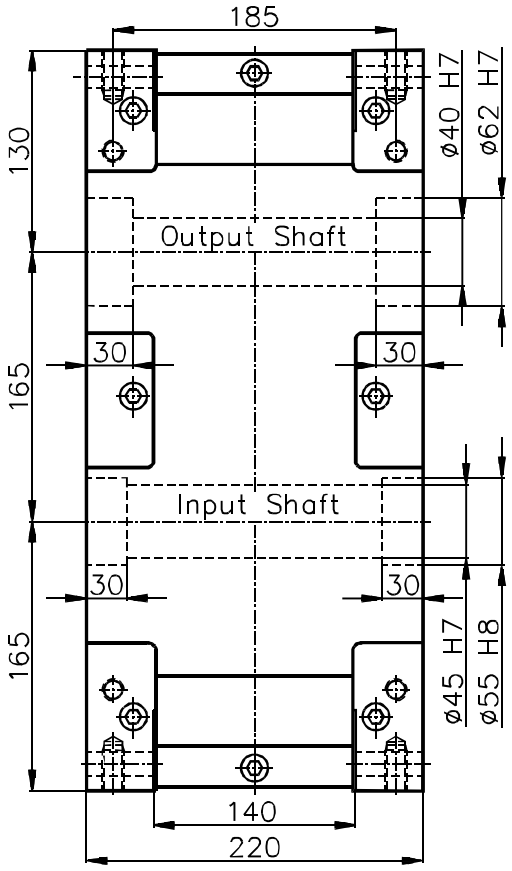


| Standard Indexer | | | | | | |
|---|---|---|---|---|---|---|
| Number of stops n | Index angle α [°] from - to | Law of motion | Output torque at indexes/min [Nm] 50 | 100 | 200 | Followers at pitch radius [mm] |
| **1** | 300 | mS 50 | 766 | 612 | 455 | 62 |
| | 330 | mS 30 | 770 | 618 | 474 | 62 |
| **2** | 165 | mS 50 | 893 | 708 | 506 | 62 |
| | 180-210 | mS 30 | 859 | 689 | 526 | 62 |
| | 240-300 | mS 0 | 812 | 656 | 518 | 62 |
| **3** | 135-150 | mS 30 | 1059 | 942 | 720 | 62 |
| | 180-210 | mS 0 | 1065 | 892 | 705 | 62 |
| | 240-300 | mS 0 | 997 | 807 | 646 | 62 |
| **4** | 105 | mS 30 | 887 | 870 | 688 | 62 |
| | 120-180 | mS 0 | 873 | 841 | 663 | 62 |
| | 210-300 | mS 0 | 840 | 726 | 583 | 62 |
| **5** | 120-180 | mS 0 | 969 | 965 | 835 | 74 |
| | 210-300 | mS 0 | 927 | 902 | 726 | 74 |
| **6*** | 180-210 | mS 0 | 1045 | 1043 | 869 | 62 |
| | 240-300 | mS 0 | 1017 | 973 | 786 | 62 |
| **8*** | 150-210 | mS 0 | 840 | 838 | 779 | 62 |
| | 240-300 | mS 0 | 817 | 816 | 703 | 62 |

- Standard followers - Ø 52 mm.
- Housing made of cast iron, weight approx. 120 kg.
- Internal moment of inertia 0,07 kgm$^2$.
- Torque during dwell approx. 20 % higher than permissible torque at 50 indexes/min.
- Keyways on input and output shafts positioned in the middle of a dwell.
- Keyways to DIN 6885/1.
- Reversibility of rotation possibile.
- Long life lubrication.
- * Indexer with 6 or 8 stops requires 2 revolutions per input shaft rotation.
- Drawings with detailed dimensions available on CAD (DXF, DWG).
- A full range of reducer, clutch and brake options, as well as output overloads, is available.
- A wide range of further number of stops, index angles, and motion laws including oscillating movements is available.
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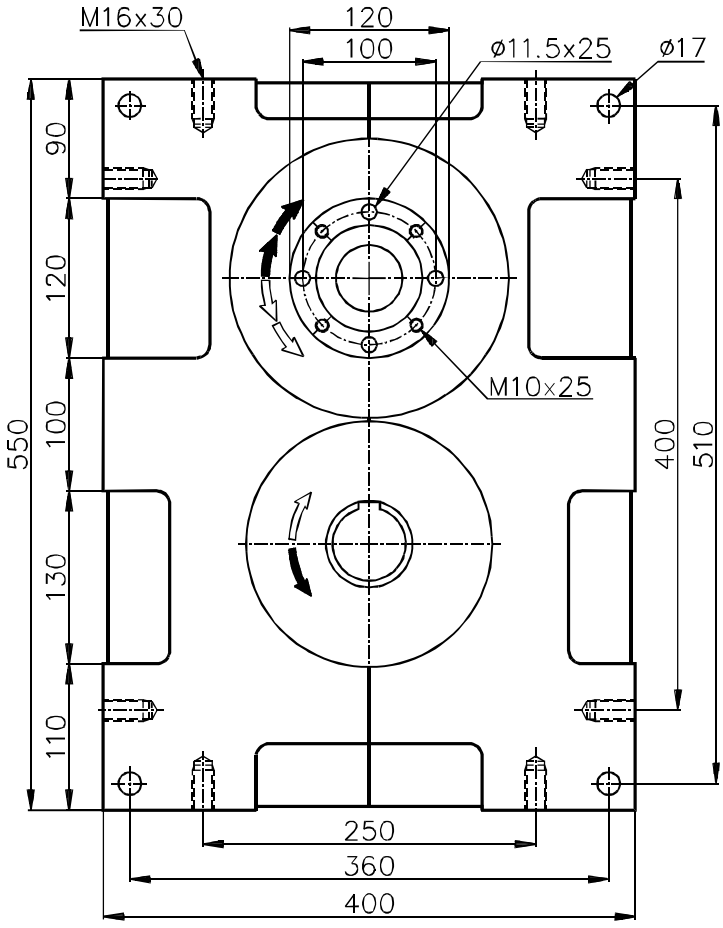


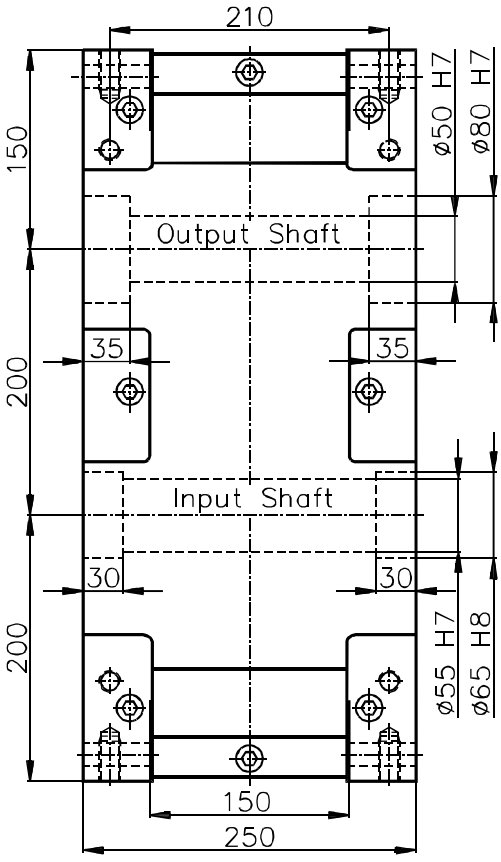


| Standard Indexer | | | | | | |
|---|---|---|---|---|---|---|
| Number of stops n | Index angle α [°] from - to | Law of motion | Output torque at indexes/min [Nm] 50 | 100 | 200 | Followers at pitch radius [mm] |
| **1** | 300 | mS 50 | 1245 | 987 | 706 | 76 |
| | 330 | mS 30 | 1250 | 1000 | 748 | 76 |
| **2** | 165 | mS 50 | 1454 | 1141 | 768 | 76 |
| | 180-210 | mS 30 | 1400 | 1117 | 829 | 76 |
| | 240-300 | mS 0 | 1322 | 1066 | 832 | 76 |
| **3** | 135-150 | mS 30 | 1850 | 1524 | 1134 | 76 |
| | 180-210 | mS 0 | 1796 | 1447 | 1131 | 76 |
| | 240-300 | mS 0 | 1621 | 1311 | 1043 | 76 |
| **4** | 105 | mS 30 | 1550 | 1504 | 1064 | 76 |
| | 120-180 | mS 0 | 1528 | 1366 | 1064 | 76 |
| | 210-300 | mS 0 | 1460 | 1182 | 943 | 76 |
| **5** | 120-180 | mS 0 | 1676 | 1665 | 1322 | 90 |
| | 210-300 | mS 0 | 1603 | 1450 | 1160 | 90 |
| **6*** | 180-210 | mS 0 | 1827 | 1758 | 1405 | 76 |
| | 240-300 | mS 0 | 1777 | 1583 | 1275 | 76 |
| **8*** | 150-210 | mS 0 | 1470 | 1466 | 1263 | 76 |
| | 240-300 | mS 0 | 1429 | 1418 | 1143 | 76 |

- Standard followers - Ø 62 mm.
- Housing made of cast iron, weight approx. 220 kg.
- Internal moment of inertia 0,15 kgm$^2$.
- Torque during dwell approx. 20 % higher than permissible torque at 50 indexes/mi
- Keyways on input and output shafts positioned in the middle of a dwell.
- Keyways to DIN 6885/1.
- Reversibility of rotation possibile.
- Long life lubrication.
- * Indexer with 6 or 8 stops requires 2 revolutions per input shaft rotation.
- Drawings with detailed dimensions availa ble on CAD (DXF, DWG).
- A full range of reducer, clutch and brake options, as well as output overloads, is available.
- A wide range of further number of stops, index angles, and motion laws including oscillating movements is available.
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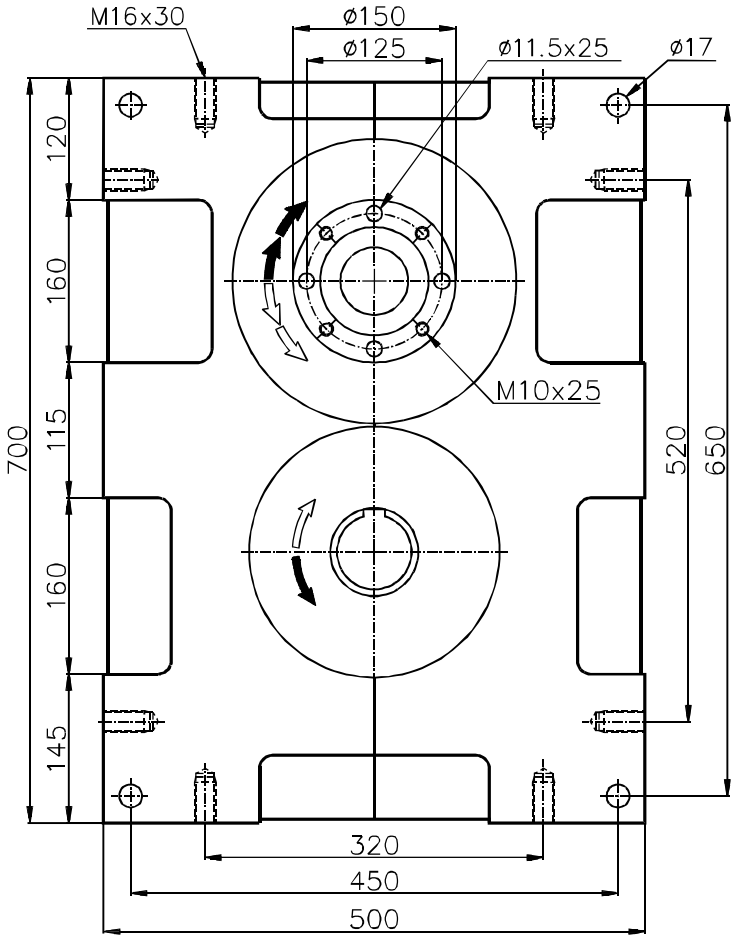


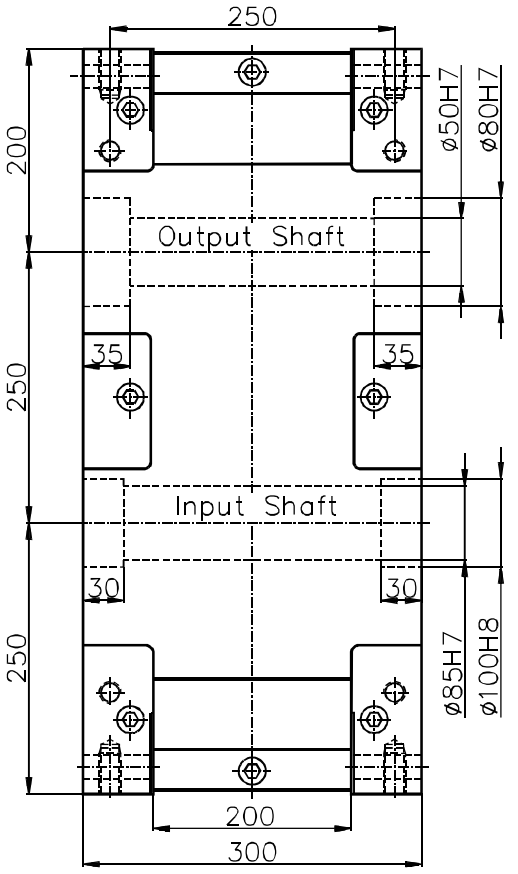


| Standard Indexer | | | | | | |
|---|---|---|---|---|---|---|
| Number of stops n | Index angle α [°] from - to | Law of motion | Output torque at indexes/min [Nm] 50 | 100 | 200 | Followers at pitch radius [mm] |
| **1** | 300 | mS 50 | 2237 | 1745 | 1129 | 96 |
| | 330 | mS 50 | 2172 | 1704 | 1146 | 96 |
| **2** | 165 | mS 50 | 2616 | 2005 | 1151 | 96 |
| | 180-210 | mS 30 | 2524 | 1991 | 1381 | 96 |
| | 240-300 | mS 0 | 2387 | 1914 | 1455 | 96 |
| **3** | 135-150 | mS 30 | 3383 | 2711 | 1893 | 96 |
| | 180-210 | mS 0 | 3236 | 2595 | 1972 | 96 |
| | 240-300 | mS 0 | 2922 | 2357 | 1848 | 96 |
| **4** | 105 | mS 30 | 2834 | 2662 | 1689 | 96 |
| | 120-180 | mS 0 | 2802 | 2453 | 1854 | 96 |
| | 210-300 | mS 0 | 2638 | 2130 | 1680 | 96 |
| **5** | 120-180 | mS 0 | 3002 | 2960 | 2281 | 112 |
| | 210-300 | mS 0 | 2873 | 2549 | 2026 | 112 |
| **6*** | 180-210 | mS 0 | 3349 | 3164 | 2502 | 96 |
| | 240-300 | mS 0 | 3257 | 2852 | 2283 | 96 |
| **8*** | 150-210 | mS 0 | 2698 | 2686 | 2259 | 96 |
| | 240-300 | mS 0 | 2791 | 2785 | 2460 | 96 |

- Standard followers - Ø 80 mm.
- Housing made of cast iron, weight approx. 320 kg.
- Internal moment of inertia 0,5 kgm$^2$.
- Torque during dwell approx. 20 % higher than permissible torque at 50 indexes/min.
- Keyways on input and output shafts positioned in the middle of a dwell.
- Keyways to DIN 6885/1.
- Reversibility of rotation possibile.
- Long life lubrication.
- * Indexer with 6 or 8 stops requires 2 revolutions per input shaft rotation.
- Drawings with detailed dimensions available on CAD (DXF, DWG).
- A full range of reducer, clutch and brake options, as well as output overloads, is available.
- A wide range of further number of stops, index angles, and motion laws including oscillating movements is available.
- 