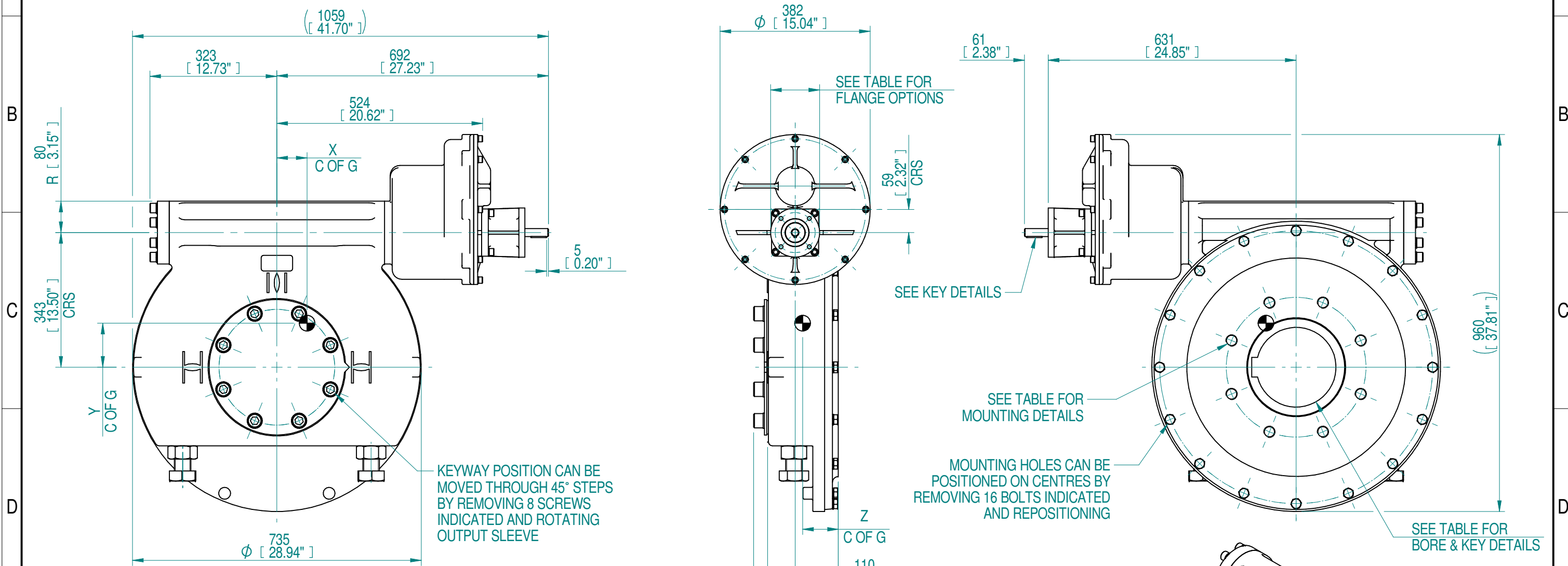
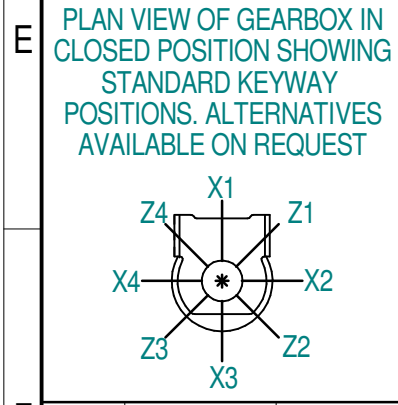


| 1                    | 2                              |                                 | 3                               |              | 4  |                               | 5   |  | 6  |   | 7               |          | 8        |                 |             |                    |               |
|----------------------|--------------------------------|---------------------------------|---------------------------------|--------------|--|-------------------------------|---|--|--|---|-----------------|----------|----------|-----------------|-------------|--------------------|---------------|
| INPUT FLANGE DETAILS |                                |                                 |                                 |              | MOUNTING HOLES - BOLT CIRCLE (OFF CENTRES)           |                               |   |  |  | STEM ACCEPTANCE IN ACCORDANCE TO STANDARD |                 |          |          |                 |             |                    |               |
| INPUT FLANGE         | FLANGE O/DIA.                  | SHAFT DIA.                      | RECESS DIA.                     | RECESS DEPTH | HOLE DETAILS (OFF CENTRES)                           | KEY DETAILS                   | ISO 5211 / MSS SP-101 MOUNTING OPTION                 | HOLE DETAILS (OFF CENTRES)                         | MAX OUTSIDE DIA. INCLUDING DRILLED HOLES | MIN INSIDE DIA. INCLUDING DRILLED HOLES   | SQ BORE MAX     | STANDARD | MIN BORE | SQ KEY MAX BORE | SQ KEY SIZE | RECT. KEY MAX BORE | RECT KEY SIZE |
| ISO F10              | Ø125 x 15<br>(Ø4.92" x 0.590") | Ø20.00-0.05<br>(Ø0.787"-0.002") | Ø70.05+0.15<br>(Ø2.758"+0.006") | 4 (0.16")    | 4 x Ø10.5 ON Ø102.0 P.C. (4 x Ø0.41" ON Ø4.02" P.C.) | 6x6x40<br>(0.24"x0.24"x1.57") | ISO F35*  | 8 x M30 x 36 (1.42") DEEP ON Ø356.0 (Ø14.02") P.C. | Ø520 (20.47")                            | Ø291 (11.46")                             | □ 152.6 (6.00") | BS4235   | -        | -               | -           | 203                | 50 x 28       |
| FA10                 |                                |                                 | Ø58.70+0.15<br>(Ø2.311"+0.006") |              |  |                               | 8 x 1" UNC x 36 (1.42") DEEP ON Ø355.6 (Ø14.00") P.C. | ANSI B17.1   |  |   |                 | -        | 7.375"   | 1 3/4" SQ.      | 7.625"      | 2" x 1 1/2"        |               |
|                      |                                |                                 |                                 |              |  |                               |   |  |  |   |                 | DIN 6885 | -        | -               | -           | 203                | 50 x 28       |



- NOTES:
- OTHER INPUT AND OUTPUT OPTIONS AVAILABLE - SEE 'IW GEARBOX BROCHURE' AT WWW.ROTORK.COM FOR FURTHER DETAILS.
  - CENTRE OF GRAVITY POSITION IS INDICATIVE FOR STANDARD BUILD WHEN IN POSITION SHOWN.
  - \* THREAD DEPTH DOES NOT MATCH ISO STANDARD.
  - WEIGHT AND C OF G DIMENSIONS WILL VARY +/-1% DEPENDING ON RATIO.



| RATIO | TURNS TO CLOSE | M.A. (±10%) | WEIGHT (KG) | MAX OUTPUT (Nm) | MAX INPUT (Nm) | X  | Y   | Z  |
|-------|----------------|-------------|-------------|-----------------|----------------|----|-----|----|
| 3700  | 925            | 1170        | 415         | 100000          | 85             | 77 | 112 | 91 |
| 3108  | 777            | 983         |             |                 | 102            |    |     |    |
| 2664  | 666            | 843         |             |                 | 119            |    |     |    |
| 1816  | 454            | 575         |             |                 | 174            |    |     |    |
| 1332  | 333            | 421         |             |                 | 237            |    |     |    |
| 1238  | 310            | 392         |             |                 | 255            |    |     |    |
| 908   | 227            | 287         |             |                 | 348            |    |     |    |
| 666   | 167            | 211         |             |                 | 475            |    |     |    |
| 444   | 111            | 140         |             |                 | 712            |    |     |    |
| 303   | 76             | 96          |             |                 | 1044           |    |     |    |
| 222   | 56             | 70          |             |                 | 1424           |    |     |    |

| Rev | ECN | Revised  | Rev. Approved | Date       | Change Description      |
|-----|-----|----------|---------------|------------|-------------------------|
| 0-1 |     | J.Lawton | J.Lawton      | 2019-11-12 | Include secondary units |

AS PART OF CONTINUOUS PRODUCT DEVELOPMENT, ALL DETAILS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE. FOR UP TO DATE DETAILS PLEASE VISIT [www.rotork.com](http://www.rotork.com)

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Dimensions in mm  
Scale 1:10

Title **IW106 IR3 QUARTER TURN GEARBOX**

Created S.Monish 2019-10-03  
Checked V.G.Balaji 2019-10-09  
Approved J.Lawton 2019-11-12

Drawing Number **PUB-IW106-IR3**  
Rev 0-1

Nominal Mass **SEE TABLE** Size A3 Sheet 1 of 1