

Technical drawing of the IW116 N Quarter Turn Gearbox, showing three views: Plan View, Side View, and Front View. The drawing includes dimensions in millimeters and inches, and a table of specifications.

Table 1: Input Flange Details

INPUT FLANGE	FLANGE O/DIA.	SHAFT DIA.	RECESS DIA.	RECESS DEPTH	HOLE DETAILS (OFF CENTRES)	KEY DETAILS
ISO F25	Ø300 x 20 (Ø11.81" x 0.787")	Ø50.00-0.05 (Ø1.969"-0.002")	Ø200.10+0.10 (Ø7.878"+0.004")	5 (0.20")	8 x Ø16.5 ON Ø254.0 P.C. (8 x Ø0.65" ON Ø10.00" P.C.)	14x9x100 (0.55"x0.35"x3.93")
FA25			Ø152.30+0.17 (Ø5.996"+0.007")			

Table 2: Mounting Holes - Bolt Circle (Off Centres)

ISO 5211 / MSS SP-101 MOUNTING OPTION	HOLE DETAILS (OFF CENTRES)	MAX OUTSIDE DIA. INCLUDING DRILLED HOLES	MIN INSIDE DIA. INCLUDING DRILLED HOLES
ISO F40*	8 x M36 x 36 (1.42") DEEP ON Ø406.0 (Ø15.98") P.C.	Ø544 (21.42")	Ø361 (14.2")
FA40*	8 x 1.25" UNC x 36 (1.42") DEEP ON Ø406.4 (Ø16.00") P.C.		

Table 3: Stem Acceptance in Accordance to Standard

SQ BORE MAX	STANDARD	MIN BORE	SQ KEY MAX BORE	SQ KEY SIZE	RECT. KEY MAX BORE	RECT KEY SIZE
□ 189.5 (7.46")	BS4235	-	-	-	270.0	63 x 32
	BS46	-	-	-	10"	2 1/2" x 1 7/8"
	ANSI B17.1	-	9.4"	2 1/2" SQ.	10.125"	2 1/2" x 1 3/4"
	DIN 6885	-	-	-	270.0	63 x 32

Notes:

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

Table 4: Gearbox Specifications

DESCRIPTION	TORQUE	CENTRE OF GRAVITY
73	18	26
18	26	428
26	428	141000
428	141000	5403
141000	5403	23
5403	23	83
23	83	103
83	103	
103		

Table 5: Revision History

Rev	ECN	Revised	Rev. Approved	Date	Change Description
0-0		J.Forshaw	S.Telukuntla	2025-06-30	First issue

Table 6: Drawing Information

Created	Checked	Approved	Drawing Number	Rev
J.Forshaw	S.Telukuntla	S.Telukuntla	PUB-IW116-MK2-N	0-0