

IRONHORSE WORM GEARBOX USER MANUAL TABLE OF CONTENTS



CONTENTS

IRONHORSE WORM GEARBOXES USER MANUAL TOC

WARNINGS AND TRADEMARKS	W-1
Warnings and Trademarks	W-1
IRONHORSE WORM GEARBOX USER MANUAL REVISION HISTORY	H-1
IRONHORSE WORM GEARBOX USER MANUAL TABLE OF CONTENTS	TOC-1
CHAPTER 1: GETTING STARTED	1-1
User Manual Overview	1-2
Overview of This Publication	1-2
Who Should Read This Manual.	1-2
Technical Support	1-2
Special Symbols	1-2
IronHorse® Worm Gearbox Introduction	1-3
Purpose of Worm Gearboxes	1-3
Package Contents	1-3
Part Number Explanation.	1-4
Nameplate Information.	1-4
CHAPTER 2: CAST-IRON WORM GEARBOXES.	2-1
IronHorse® Cast-Iron Worm Gearboxes.	2-2
Gearbox Selection Factors	2-2
Service Factors and K Factors.	2-2
IronHorse® Cast-Iron Worm Gearbox Specifications.	2-3
Frame Size 175 Specifications	2-3
Frame Size 206 Specifications	2-4
Frame Size 237 Specifications	2-5
Frame Size 262 Specifications	2-6
Frame Size 325 Specifications	2-7
IronHorse® Cast-Iron Worm Gearbox Dimensions.	2-8
Solid-Shaft Output Gearboxes WG-xxx-xxx-D/L/R	2-8
Hollow-Bore Output Gearboxes WG-xxx-xxx-H.	2-9
IronHorse® Cast-Iron Worm Gearbox Accessory Mounting Bases	2-10
Mounting Base Selection and Dimensions	2-10

CHAPTER 3: ALUMINUM WORM GEARBOXES	3-1
IronHorse® Aluminum Worm Gearboxes	3-2
Gearbox Selection Factors	3-2
Service Factors and K Factors.	3-2
IronHorse® Aluminum Worm Gearbox Specifications	3-3
Frame Sizes 30, 40, 50 mm Specifications	3-3
Frame Sizes 63, 75 mm Specifications	3-4
IronHorse® Aluminum Worm Gearbox Dimensions	3-5
IronHorse® Aluminum Worm Gearbox Accessories	3-6
CHAPTER 4: INSTALLATION AND LUBRICATION	4-1
IronHorse® Worm Gearbox Installation.	4-2
Installation Instructions	4-2
Vent Plug Installation – (Cast-Iron Gearboxes only).	4-2
IronHorse® Worm Gearbox Lubrication & Mounting Orientations.	4-3
Lubrication Instructions	4-3
Lubricant Capacities & Mounting Orientations	4-4
APPENDIX A: GLOSSARY OF TERMS	A-1
Glossary of Gearbox Terms	A-2
APPENDIX B: GEARBOX SELECTION	B-1
Gearbox Selection Procedure.	B-2
Gearbox Selection Steps	B-2
Gearbox Selection Example.	B-2