Снарте

CAST-IRON WORM GEARBOXES

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IRONHORSE® CAST-IRON WORM GEARBOXES



GEARBOX SELECTION FACTORS

SERVICE FACTORS AND K FACTORS

		r Selecting (th electric m										
Service Continuity Load Characteristics												
(per day)	Uniform	Moderate Shock*	Heavy Shock*	Extreme Shock*								
Occasional 1/2 hour	1.00	1.00	1.00	1.25								
Less than 3 hours	1.00	1.00	1.25	1.50								
3-10 hours	1.00	1.25	1.50	1.75								
More than 10 hours	1.25	1.50	1.75	2.00								

^{*} Shock results from sudden increases in the torque demand of the load, such as: sudden stopping, restarting, and/or reversing; significantly heavy loads dropped onto a moving conveyor; impact loads such as punch press operations.

Depending upon the load characteristics, divide the gearbox HP, Overhung Load, and Maximum Mechanical Capacity ratings by the applicable service factor.

Overhung Load K Factors for Various Drive Types									
Chain & Sprocket	1.00								
Gear	1.25								
V-belt	1.50								
Flat Belt	2.50								
Variable Pitch Belt	3.50								
Divide gearbox OHL ratings by									
the applicable OHL K fac	tors.								



IRONHORSE® CAST-IRON WORM GEARBOX SPECIFICATIONS

			IronH	lorse	Cast-Iro	on W	orı	m (iea	rbo	x Sp	ecifi	catio	ns					
												Med		1750 r	n Rati pm In		17	(rpm)	
Part Number	Nominal Ratio	Actual Ratio	Output RPM @ 1750 rpm Input	Nominal Motor HP ¹ @ 1800 rpm	NEMA Motor Frame	Output Type ²	Center Distance ³ (in)	Overhung Load 4 (lb)	Thrust Load ⁵ (lb)	Efficiency (%)	Approx Weight (lb)	Input Power (hp)	Output Power (hp)	Output Torque (lb·in)	Input Power (hp)	Output Power (hp)	Output Torque (lb·in)	Maximum Input Speed (rpm)	Maximum Backlash (arc-minute)
					Gea	rbox	Fra	me	Siz		5								
WG-175-005-D WG-175-005-H WG-175-005-L WG-175-005-R	5:1	5.25:1	350	1-1/2	56C	D H L R				93	23 27 22 22	2.83	2.62	499	2.28	2.11	402		
WG-175-010-D WG-175-010-H WG-175-010-L WG-175-010-R	10:1	10.33:1	175	1	56C	D H L R				88	23 27 22 22	1.57	1.38	515	1.36	1.19	445		
WG-175-015-D WG-175-015-H WG-175-015-L WG-175-015-R	15:1	14.5:1	117	3/4	56C	D H L R	1.75	650	550	85	23 27 22 22	1.24	1.06	554	1.13	0.96	506	2500	20
WG-175-020-D WG-175-020-H WG-175-020-L WG-175-020-R	20:1	19.5:1	88	3/4	56C	D H L R	1.	99	55	83	23 27 22 22	1.26	1.04	737	0.98	0.81	572	2500	20
WG-175-040-D WG-175-040-H WG-175-040-L WG-175-040-R	40:1	40:1	44	1/3	56C	D H L R				62	23 27 22 22	0.79	0.49	714	0.45	0.28	404		
WG-175-060-D WG-175-060-H WG-175-060-L WG-175-060-R	60:1	60:1	29	1/4	56C	D H L R				52	23 27 22 22	0.38	0.20	433	0.35	0.19	404		

¹⁾ Nominal Motor HP is the highest HP 1800 rpm motor to be used with the gearbox under conditions of 1.0 service factor. Gearbox input power capacity decreases as motor speed decreases and as service factor increases.

²⁾ Output Type: D = Dual Shaft; H = Hollow Bore; L = Left-Hand Shaft; R = Right-Hand Shaft.

³⁾ Center Distance is the distance between the centerlines of the input and output shafts/bores; serves as the gearbox frame size.

⁴⁾ Overhung Load ratings are for forces perpendicular to the output shaft and located at the shaft midpoint, such as from a gear, pulley, or sprocket with a belt or chain. Divide OHL ratings by the applicable OHL K factors shown separately in the Selection Factors tables. OHL ratings should also be divided by applicable service factors.

⁵⁾ Thrust Load ratings are for forces along the axis of the output shaft, usually encountered in vertical-drive applications from agitators, mixers, fans, blowers, etc.

⁶⁾ Maximum Mechanical Ratings are limits based on strength and durability of gearbox components; applicable when operating time is short and stopped time is greater than or equal to operating time. These ratings are applicable for 1.0 service factor loads, and may require modification depending upon characteristics of the applicable driven loads. Refer to the "Service Factors" table for more information.

⁷⁾ Maximum Thermal Ratings are limits for gearbox continuous use without overheating.



1	ronHe	orse Cas	t-Iron	Worm	Gearbo	х Ѕр	ecif	fica	tio	1S – ((con	tinued	l fron	ı prev	rious	page)			
				1			3 (in)				(lb)		Max	ximur 1750 r	n Rati pm In	ings		Speed	ash
Part Number	Nominal Ratio	Actual Ratio	Output RPM @ 1750 rpm Input	Nominal Motor HP @ 1800 rpm	NEMA Motor Frame	Output Type ²	Center Distance	Overhung Load		Efficiency (%)	Approx Weight	Input Power (hp)	Output Power (hp)	Output Torque (lb·in)	Input Power (hp)	Output Power (hp)	Output Torque (lb·in)	Maximum Input (rpm)	Maximum Backlash (arc-minute)
		,		,	Gea	rbox	Fra	ıme	Siz	e 20									
WG-206-005-D WG-206-005-H WG-206-005-L WG-206-005-R	5:1	5.75:1	350	2	56C	H L R				92	28 28 27 27	3.62	3.33	925	2.57	2.36	657		
WG-206-010-D WG-206-010-H WG-206-010-L WG-206-010-R	10:1	10.33:1	175	1-1/2	56C	D H L R				90	28 28 27 27	2.77	2.50	935	2.10	1.89	708		
WG-206-015-D WG-206-015-H WG-206-015-L WG-206-015-R	15:1	15.5:1	117	1	56C	D H L R	2.06	700	50	85	28 28 27 27	2.09	1.78	1002	1.40	1.20	673	2500	21
WG-206-020-D WG-206-020-H WG-206-020-L WG-206-020-R	20:1	19.5:1	88	1	56C	D H L R	2.0	70	75	82	28 28 27 27	1.57	1.29	914	1.17	0.96	681	2500	21
WG-206-040-D WG-206-040-H WG-206-040-L WG-206-040-R	40:1	40:1	44	1/2	56C	D H L R				71	28 28 27 27	1.09	0.77	1120	0.71	0.50	726		
WG-206-060-D WG-206-060-H WG-206-060-L WG-206-060-R	60:1	60:1	29	1/3	56C	D H L R				58	28 28 27 27	0.60	0.35	750	0.48	0.28	606		

¹⁾ Nominal Motor HP is the highest HP 1800 rpm motor to be used with the gearbox under conditions of 1.0 service factor. Gearbox input power capacity decreases as motor speed decreases and as service factor increases.

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³⁾ Center Distance is the distance between the centerlines of the input and output shafts/bores; serves as the gearbox frame size.

⁴⁾ Overhung Load ratings are for forces perpendicular to the output shaft and located at the shaft midpoint, such as from a gear, pulley, or sprocket with a belt or chain. Divide OHL ratings by the applicable OHL K factors shown separately in the Selection Factors tables. OHL ratings should also be divided by applicable service factors.

⁵⁾ Thrust Load ratings are for forces along the axis of the output shaft, usually encountered in vertical-drive applications from agitators, mixers, fans, blowers, etc.

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li	ronHo	orse Cas	t-Iron	Worn	n Gearbo	x Sp	ecij	fica	tio	15 – ((con	tinue	d fron	n prev	rious	page)			
				1			3 (in)	(lb)			(lb)		Ma	ximun 1750 r	n Rati pm In	ings		Speed	ash
Part Number	Nominal Ratio	Actual Ratio	Output RPM @ 1750 rpm Input	Nominal Motor HP @ 1800 rpm	NEMA Motor Frame	Output Type ²	Center Distance	Overhung Load 4	Thrust Load 5 (lb)	Efficiency (%)	Approx Weight (Input Power (hp)	Output Power (hp)	Output Torque (lb·in)	Input Power (hp)	Output Power (hp)	Output Torque (lb·in)	Maximum Input Speed (rpm)	Maximum Backlash (arc-minute)
			,		Gea	rbox	Fra	me	Siz	e 23		,				,			
WG-237-005-D WG-237-005-H WG-237-005-L WG-237-005-R	5:1	5.25:1	350	3		D H L R				93	38 36 37 37	4.32	4.02	766	3.56	3.31	630		
WG-237-010-D WG-237-010-H WG-237-010-L WG-237-010-R	10:1	10.33:1	175	1-1/2		D H L				89	38 36 37 37	3.47	3.09	1158	2.24	1.99	746		
WG-237-015-D WG-237-015-H WG-237-015-L WG-237-015-R	15:1	15.5:1	117	1		D H L R	7	0	0	84	38 36 37 37	2.64	2.22	1249	1.55	1.30	732		
WG-237-020-D WG-237-020-H WG-237-020-L WG-237-020-R	20:1	20:1	88	1	56C	D H L	2.37	006	006	82	38 36 37 37	2.06	1.69	1195	1.36	1.12	791	2500	17
WG-237-040-D WG-237-040-H WG-237-040-L WG-237-040-R	40:1	40:1	44	1/2		D H L R				71	38 36 37 37	1.45	1.02	1483	0.83	0.58	845		
WG-237-060-D WG-237-060-H WG-237-060-L WG-237-060-R	60:1	60:1	29	1/2		D H L R				61	38 36 37 37	0.86	0.53	1149	0.63	0.39	844		

- 1) Nominal Motor HP is the highest HP 1800 rpm motor to be used with the gearbox under conditions of 1.0 service factor. Gearbox input power capacity decreases as motor speed decreases and as service factor increases.
- 2) Output Type: D = Dual Shaft; H = Hollow Bore; L = Left-Hand Shaft; R = Right-Hand Shaft.
- 3) Center Distance is the distance between the centerlines of the input and output shafts/bores; serves as the gearbox frame size.
- 4) Overhung Load ratings are for forces perpendicular to the output shaft and located at the shaft midpoint, such as from a gear, pulley, or sprocket with a belt or chain. Divide OHL ratings by the applicable OHL K factors shown separately in the Selection Factors tables. OHL ratings should also be divided by applicable service factors.
- 5) Thrust Load ratings are for forces along the axis of the output shaft, usually encountered in vertical-drive applications from agitators, mixers, fans, blowers, etc.
- 6) Maximum Mechanical Ratings are limits based on strength and durability of gearbox components; applicable when operating time is short and stopped time is greater than or equal to operating time. These ratings are applicable for 1.0 service factor loads, and may require modification depending upon characteristics of the applicable driven loads. Refer to the "Service Factors" table for more information.
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	ronHe	orse Cas	t-Iron	Worn	ı Gearbo	х Sp	ecif	fica	tior	15 – (con	tinued	d fron	ı prev	vious _l	page)			
				1		•					(<i>q</i>))		Max	ximun 1750 r	n Rati pm In	ings		Speed	ash
Part Number	Nominal Ratio	Actual Ratio	Output RPM @ 1750 rpm Input	Nominal Motor HP @ 1800 rpm	NEMA Motor Frame	Output Type ²	Center Distance ³ (in)	Overhung Load 4 (lb)	Thrust Load ⁵ (lb)	Efficiency (%)	Approx Weight	Input Power (hp)	Output Power (hp)	Output Torque (lb-in)	Input Power (hp)	Output Power (hp)	Output Torque (lb-in)	Maximum Input Speed (rpm)	Maximum Backlash (arc-minute)
		ı	1	1	Gea	rbox	Fra	me	Siz	e 262		1	1			1			
WG-262-005-D WG-262-005-H WG-262-005-L WG-262-005-R	5:1	5.25:1	350	3	10076	H L R				93	57 58 56 56	5.24	4.86	924	4.32	4.00	761		
WG-262-010-D WG-262-010-H WG-262-010-L WG-262-010-R	10:1	10.67:1	175	2	182TC	D H L				90	57 57 56 56	4.17	3.74	1445	3.06	2.75	1061		
WG-262-015-D WG-262-015-H WG-262-015-L WG-262-015-R	15:1	15.5:1	117	2		D H L R	.2	00	00	87	50 50 49 49	3.22	2.81	1577	2.47	2.16	1212		
WG-262-020-D WG-262-020-H WG-262-020-L WG-262-020-R	20:1	19.5:1	88	1-1/2		D H L R	2.62	1000	1000	83	50 50 49 49	2.67	2.21	1563	1.84	1.53	1078	2500	17
WG-262-040-D WG-262-040-H WG-262-040-L WG-262-040-R	40:1	40:1	44	3/4	56C	D H L R				72	50 50 49 49	1.85	1.32	1919	1.11	0.80	1153		
WG-262-060-D WG-262-060-H WG-262-060-L WG-262-060-R	60:1	60:1	29	3/4		D H L R				66	50 51 49 49	1.16	0.77	1670	0.94	0.62	1346		

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I	ronHo	orse Cas	t-Iron	Worn	n Gearbo	х Sp	ecif	fica	tior	15 – (cont	tinue							
														ximur				p	
				1	o o		<u>:</u>	(qp)			_		@ 1	1750 r				ы	ų
			at	Nominal Motor HP @ 1800 rpm	NEMA Motor Frame		Center Distance ³ (in)	4	(9		Approx Weight (lb)	Мес	hanic	al 6	Th	nerma	ι /	Maximum Input Speed (rpm)	Maximum Backlash (arc-minute)
	.0		Output RPM @ 1750 rpm Input	or	Ţ.	7	ıce	Overhung Load 4	Thrust Load 5 (lb)	_	ht			و		_	ē	ma	ıck
Part Number	Nominal Ratio	. <u>.</u> 2	3 3	70.1	ţo	ad	tai	70	į pi	Efficiency (%)	eig	er	Output Power (hp)	Output Torque (lb-in)	e	Output Power (hp)	Output Torque (lb-in)	lu l	BC te)
	1/2	Actual Ratio	Output RPM @ 1750 rpm	1 LE	20	Output Type	Dis	ng	roc	Ş	3	Input Power (hp)	8	10	Input Power (hp)	Po	6	шn	Maximum B. (arc-minute)
	ij	al	750	300	Ā	ut	er	Į.	st	ien	ŏ	t P	ŭ	ž Ć	t P	nt	ž Ć	in (im
	0	g g	utp.	00 18	E E	utp	sut	ver	ıru	ţic	da	(dy)	Outp (hp)	Outpur (lb·in)	(dy)	Outh (hp)	Outpu (lb-in)	Maxir (rpm)	ax.
	2	Ą	0 @	S @	_							3 2	08	90	3 2	08	90	25	2 6
14/C 225 010 DC	1	Γ			Gea		Fra	me	Siz	e 325		I	I	1	1		I		
WG-325-010-DC						D					91								
WG-325-010-HC	10:1	10.33:1	175	3	182/4TC	H L				90	90	7.19	6.46	2419	4.63	4.16	1558		
WG-325-010-LC WG-325-010-RC	1					R					90								
WG-325-010-RC						D	1				91								
WG-325-015-HC						Н					90								
WG-325-015-LC	15:1	15.5:1	117	5	182/4TC	L				85	90	5.45	4.65	2611	3.19	2.72	1527		
WG-325-015-RC						R					90								
WG-325-020-DC						D					91								
WG-325-020-HC	20.1	10 5.1	00	3	100TC	Н				86	90	4.74	4.07	2075	2 21	2.05	2011		
WG-325-020-LC	20:1	19.5:1	88	3	182TC	L				00	90	4.74	4.07	2875	3.31	2.85	2011		
WG-325-020-RC						R					90								
WG-325-030-DA					56C	D					88								
WG-325-030-DB					145TC	D					88								
WG-325-030-HA	-			2	56C	Н					87								
WG-325-030-HB	-				145TC	H					87								
WG-325-030-LA	30:1	30:1	58		56C	L	}			77	87 87	3.66	2.80	3045	2.00	1.53	1661		
WG-325-030-LB WG-325-030-LC				3	145TC 182TC	L		0	0		87								
WG-325-030-RA	-				56C	R	3.25	1200	1100	}	87							2500	15
WG-325-030-RB				2	145TC	R	('',	_	1		87								
WG-325-030-RC				3	182TC	R					87								
WG-325-040-DA					56C	D					88								
WG-325-040-DB	1				145TC	D	1				88								
WG-325-040-HA	1				56C	Н	1				87								
WG-325-040-HB	40:1	40:1	44		145TC	Н				76	87	2 2 5	2 [[3692	1.06	1.49	2156		
WG-325-040-LA	40.1	40.1	44		56C	L				70	87	3.35	2.55	3092	1.96	1.49	2156		
WG-325-040-LB					145TC	L					87								
WG-325-040-RA					56C	R					87								
WG-325-040-RB				1.5	145TC	R					87								
WG-325-060-DA					56C	D					88								
WG-325-060-DB					145TC	D					88								
WG-325-060-HA	-				56C	Н					87								
WG-325-060-HB	60:1	60:1	29		145TC	H L				71	87 87	2.03	1.44	3127	1.61	1.14	2476		
WG-325-060-LA WG-325-060-LB	1				56C 145TC	L				}	87								
WG-325-060-LB	1				56C	R					87								
WG-325-060-RB	-				145TC	R	1				87								
1) Naminal Mater H	D : 11	1.1.	110.10				٠.											<u> </u>	<u> </u>

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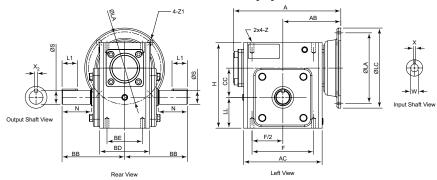
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IRONHORSE® CAST-IRON WORM GEARBOX DIMENSIONS

SOLID-SHAFT OUTPUT GEARBOXES WG-XXX-XXX-D/L/R



Dimension	s linche	s) – Iro	nHors	o Cast	-Iron V	Norm (Gearb	ovas –	Solid-9	Shaft (Jutaut	·c
Part Number	Frame	3) - 11 C	AB	AC	BB	BD	BE	CC	F	H	LL	Z (UNC)
WG-175-xxx-D/L/R	1141110	7.29	4.035	5.06	4.311	3.56	2.75	1.75	4.188	5.75	2.062	5/16-18
WG-206-xxx-D/L/R	56C	7.95	4.37	5.75	4.69	3.82	2.88	2.062	5	6.38	2.281	3, 10 10
WG-237-xxx-D/L/R	300	8.71	4.705	6.38	5.087	4.06	2.88	2.375	5	6.94	2.5	
WG-262-005-D/L/R				0.00	5.007		2.00	2.075		0.5 .	5	
WG-262-010-D/L/R	182TC	10.57	6.24									
WG-262-015-D/L/R										_		3/8-16
WG-262-020-D/L/R				7.17	5.63	4.69	3.375	2.625	6.375	8	2.938	
WG-262-040-D/L/R	56C	9.41	5.059									
WG-262-060-D/L/R												
WG-325-010-xC												
WG-325-015-xC	182/4TC	12.60	7.24									
WG-325-020-xC	182TC											
WG-325-030-xA	56C	11.40	6.06									
WG-325-030-xB	145TC	11.42	6.06	0.00	7.00		4.00	2.25	7.50	0.20	2.50	7/10/14
WG-325-030-xC	182TC	12.60	7.24	9.02	7.06	5.75	4.00	3.25	7.50	9.38	3.50	7/16-14
WG-325-040-xA	56C											
WG-325-040-xB	145TC	11.42	6.06									
WG-325-060-xA	56C	11.42	0.00									
WG-325-060-xB	145TC											
Part # (reneated)	Frame		Flange		Input	Shaft		Outpu	t Shaft			
Part # (repeated)	Frame	LA	Flange LC	Z 1	Input W	Shaft X	L1	N	S	X2		
WG-175-xxx-D/L/R		LA	LC	Z 1	W	X	1	N 1.781	S 7/8			
WG-175-xxx-D/L/R WG-206-xxx-D/L/R	Frame 56C						1 1.25	N 1.781 2.09	S	X2		
WG-175-xxx-D/L/R WG-206-xxx-D/L/R WG-237-xxx-D/L/R		LA	LC	Z 1	W	X	1	N 1.781	S 7/8	X2		
WG-175-xxx-D/L/R WG-206-xxx-D/L/R WG-237-xxx-D/L/R WG-262-005-D/L/R	56C	LA 5.875	LC 6.496	Z1 0.433	W 5/8	X 3/16	1 1.25	N 1.781 2.09	S 7/8	X2		
WG-175-xxx-D/L/R WG-206-xxx-D/L/R WG-237-xxx-D/L/R WG-262-005-D/L/R WG-262-010-D/L/R		LA	LC	Z 1	W	X	1 1.25	N 1.781 2.09	S 7/8 1	X2 3/16		
WG-175-xxx-D/L/R WG-206-xxx-D/L/R WG-237-xxx-D/L/R WG-262-005-D/L/R WG-262-010-D/L/R WG-262-015-D/L/R	56C	LA 5.875	LC 6.496	Z1 0.433	W 5/8	X 3/16	1 1.25 1.25	N 1.781 2.09 2.37	S 7/8	X2		
WG-175-xxx-D/L/R WG-206-xxx-D/L/R WG-237-xxx-D/L/R WG-262-005-D/L/R WG-262-010-D/L/R WG-262-015-D/L/R WG-262-020-D/L/R	56C 182TC	LA 5.875 7.25	6.496 9	Z10.4330.551	5/8 1-1/8	3/16 1/4	1 1.25	N 1.781 2.09	S 7/8 1	X2 3/16		
WG-175-xxx-D/L/R WG-206-xxx-D/L/R WG-237-xxx-D/L/R WG-262-005-D/L/R WG-262-010-D/L/R WG-262-015-D/L/R WG-262-020-D/L/R WG-262-040-D/L/R	56C	LA 5.875	LC 6.496	Z1 0.433	W 5/8	X 3/16	1 1.25 1.25	N 1.781 2.09 2.37	S 7/8 1	X2 3/16		
WG-175-xxx-D/L/R WG-206-xxx-D/L/R WG-237-xxx-D/L/R WG-262-005-D/L/R WG-262-010-D/L/R WG-262-015-D/L/R WG-262-020-D/L/R WG-262-040-D/L/R WG-262-060-D/L/R	56C 182TC	LA 5.875 7.25	6.496 9	Z10.4330.551	5/8 1-1/8	3/16 1/4	1 1.25 1.25	N 1.781 2.09 2.37	S 7/8 1	X2 3/16		
WG-175-xxx-D/L/R WG-206-xxx-D/L/R WG-237-xxx-D/L/R WG-262-005-D/L/R WG-262-010-D/L/R WG-262-015-D/L/R WG-262-020-D/L/R WG-262-040-D/L/R WG-262-060-D/L/R WG-325-010-xC	56C 182TC 56C	5.875 7.25 5.875	9 6.496	0.433 0.551 0.433	5/8 1-1/8 5/8	3/16 1/4 3/16	1 1.25 1.25	N 1.781 2.09 2.37	S 7/8 1	X2 3/16		
WG-175-xxx-D/L/R WG-206-xxx-D/L/R WG-237-xxx-D/L/R WG-262-005-D/L/R WG-262-010-D/L/R WG-262-015-D/L/R WG-262-020-D/L/R WG-262-040-D/L/R WG-262-060-D/L/R WG-325-010-xC WG-325-015-xC	56C 182TC 56C	LA 5.875 7.25	6.496 9	Z10.4330.551	5/8 1-1/8	3/16 1/4	1 1.25 1.25	N 1.781 2.09 2.37	S 7/8 1	X2 3/16		
WG-175-xxx-D/L/R WG-206-xxx-D/L/R WG-237-xxx-D/L/R WG-262-005-D/L/R WG-262-010-D/L/R WG-262-015-D/L/R WG-262-020-D/L/R WG-262-040-D/L/R WG-262-060-D/L/R WG-325-010-xC WG-325-015-xC	56C 182TC 56C 182/4TC 182TC	5.875 7.25 5.875	9 6.496	0.433 0.551 0.433	5/8 1-1/8 5/8 1-1/8	3/16 1/4 3/16	1 1.25 1.25	N 1.781 2.09 2.37	S 7/8 1	X2 3/16		
WG-175-xxx-D/L/R WG-206-xxx-D/L/R WG-237-xxx-D/L/R WG-262-005-D/L/R WG-262-010-D/L/R WG-262-015-D/L/R WG-262-020-D/L/R WG-262-040-D/L/R WG-262-060-D/L/R WG-325-010-xC WG-325-015-xC WG-325-020-xC WG-325-030-xA	56C 182TC 56C 182/4TC 182TC 56C	5.875 7.25 5.875	9 6.496	0.433 0.551 0.433	5/8 1-1/8 5/8 1-1/8 5/8	3/16 1/4 3/16	1 1.25 1.25	N 1.781 2.09 2.37	S 7/8 1	X2 3/16		
WG-175-xxx-D/L/R WG-206-xxx-D/L/R WG-237-xxx-D/L/R WG-262-005-D/L/R WG-262-010-D/L/R WG-262-015-D/L/R WG-262-020-D/L/R WG-262-040-D/L/R WG-262-060-D/L/R WG-325-010-xC WG-325-015-xC WG-325-030-xA WG-325-030-xB	56C 182TC 56C 182/4TC 182TC 56C 145TC	5.875 7.25 5.875 7.25 5.875	9 6.496 9.00 6.50	0.433 0.551 0.433 0.55 0.41	5/8 1-1/8 5/8 1-1/8 5/8 7/8	3/16 1/4 3/16 1/4 3/16	1 1.25 1.25	N 1.781 2.09 2.37	S 7/8 1	X2 3/16		
WG-175-xxx-D/L/R WG-206-xxx-D/L/R WG-237-xxx-D/L/R WG-262-005-D/L/R WG-262-010-D/L/R WG-262-015-D/L/R WG-262-020-D/L/R WG-262-040-D/L/R WG-262-060-D/L/R WG-325-010-xC WG-325-015-xC WG-325-030-xA WG-325-030-xB WG-325-030-xC	56C 182TC 56C 182/4TC 182TC 56C 145TC 182TC	5.875 7.25 5.875 7.25	9 6.496 9.00	0.433 0.551 0.433 0.55	5/8 1-1/8 5/8 1-1/8 5/8 7/8 1-1/8	3/16 1/4 3/16 1/4	1 1.25 1.25	1.781 2.09 2.37	S 7/8 1	X2 3/16		
WG-175-xxx-D/L/R WG-206-xxx-D/L/R WG-237-xxx-D/L/R WG-262-005-D/L/R WG-262-010-D/L/R WG-262-015-D/L/R WG-262-020-D/L/R WG-262-040-D/L/R WG-262-060-D/L/R WG-325-010-xC WG-325-015-xC WG-325-020-xC WG-325-030-xA WG-325-030-xB WG-325-030-xC WG-325-040-xA	56C 182TC 56C 182/4TC 182TC 56C 145TC 182TC 56C	5.875 7.25 5.875 7.25 5.875	9 6.496 9.00 6.50	0.433 0.551 0.433 0.55 0.41	5/8 1-1/8 5/8 1-1/8 5/8 7/8 1-1/8 5/8	3/16 1/4 3/16 1/4 3/16	1 1.25 1.25	1.781 2.09 2.37	S 7/8 1	X2 3/16		
WG-175-xxx-D/L/R WG-206-xxx-D/L/R WG-237-xxx-D/L/R WG-262-005-D/L/R WG-262-010-D/L/R WG-262-015-D/L/R WG-262-020-D/L/R WG-262-040-D/L/R WG-262-060-D/L/R WG-325-010-xC WG-325-015-xC WG-325-030-xC WG-325-030-xB WG-325-030-xC WG-325-040-xA WG-325-040-xB	56C 182TC 56C 182/4TC 182TC 56C 145TC 182TC 56C 145TC	5.875 7.25 5.875 7.25 5.875	9 6.496 9.00 6.50	0.433 0.551 0.433 0.55 0.41	5/8 1-1/8 5/8 1-1/8 5/8 7/8 1-1/8 5/8 7/8	3/16 1/4 3/16 1/4 3/16	1 1.25 1.25	1.781 2.09 2.37	S 7/8 1	X2 3/16		
WG-175-xxx-D/L/R WG-206-xxx-D/L/R WG-237-xxx-D/L/R WG-262-005-D/L/R WG-262-010-D/L/R WG-262-015-D/L/R WG-262-020-D/L/R WG-262-040-D/L/R WG-262-060-D/L/R WG-325-010-xC WG-325-015-xC WG-325-020-xC WG-325-030-xA WG-325-030-xB WG-325-030-xC WG-325-040-xA	56C 182TC 56C 182/4TC 182TC 56C 145TC 182TC 56C	5.875 7.25 5.875 7.25 5.875 7.25	9 6.496 9.00 6.50 9.00	0.433 0.551 0.433 0.55 0.41 0.55	5/8 1-1/8 5/8 1-1/8 5/8 7/8 1-1/8 5/8	3/16 1/4 3/16 1/4 3/16 1/4	1 1.25 1.25	1.781 2.09 2.37	S 7/8 1	X2 3/16		

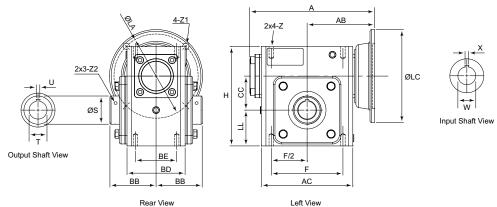
Dual-shaft output gearboxes have output shafts on both sides (dimensions BB, L1, N, S, & X2).

Left-hand shaft gearboxes have output shafts only on the left side, as viewed looking into the input shaft. Right-hand shaft gearboxes have output shafts only on the right side, as viewed looking into the input shaft.

See our website: www.AutomationDirect.com for complete engineering drawings.



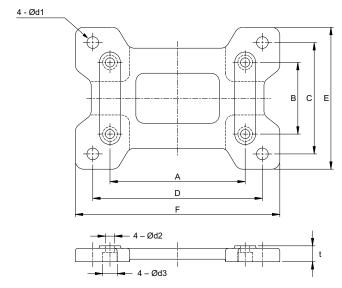
IRONHORSE® CAST-IRON WORM GEARBOX DIMENSIONS (CONTINUED) HOLLOW-BORE OUTPUT GEARBOXES WG-XXX-XXX-H



	Dimensions (inches) – IronHorse Cast-Iron Worm Gearboxes – Hollow-Bore Out													
Dimension	s (inches) – Iro	nHorse	e Cast-	Iron W	lorm G	iearbo	xes – ŀ	Iollow	-Bore	Outpu	ts		
Part Number	Frame	Α	AB	AC	BB	BD	BE	СС	F	Н	LL	Z (UNC)		
WG-175-xxx-H		7.28	4.035	5.059	3.091	3.563	2.750	1.75	4.188	5.75	2.062			
WG-206-xxx-H	56C	7.95	4.370	5.748	3.219	3.819	2.880	2.062	5.000	6.375	2.281			
WG-237-xxx-H		8.68	4.705	6.378	3.220	4.055	2.880	2.375	5.000	6.937	2.500			
WG-262-005-H	182TC	10.59	6.240											
WG-262-010-H	10210	10.59	0.240									3/8-16		
WG-262-015-H				7.165	3.500	4.685	3.375	2.625	6.375	8.000	2.938			
WG-262-020-H	56C	9.41	5.059	7.103	3.300	4.003	3.575	2.023	0.575	0.000	2.930			
WG-262-040-H	300	9.41	3.033											
WG-262-060-H														
WG-325-010-HC	182/4TC													
WG-325-015-HC		12.60	7.24											
WG-325-020-HC	182TC													
WG-325-030-HA	56C													
WG-325-030-HB	145TC			9.02	4.375	5.75	4.00	3.25	7.50	9.38	3.50	7/16-14		
WG-325-040-HA	56C	11.42	6.06											
WG-325-040-HB	145TC	11.72	0.00											
WG-325-060-HA	56C													
WG-325-060-HB	145TC													
			Flange			Shaft			tput Bo					
Part # (repeated)	Frame	LA	Flange LC	Z 1	Input W	Shaft X	S	T	tput Bo	Z2 (U	_			
Part # (repeated) WG-175-xxx-H	Frame	LA	LC	Z 1	W	X	1.575	T	U		_			
Part # (repeated) WG-175-xxx-H WG-206-xxx-H							1.575 1.772	1.0 1.125		Z2 (U	_			
Part # (repeated) WG-175-xxx-H WG-206-xxx-H WG-237-xxx-H	Frame	LA	LC	Z 1	W	X	1.575	T	U	Z2 (U	_			
Part # (repeated) WG-175-xxx-H WG-206-xxx-H WG-237-xxx-H WG-262-005-H	Frame	LA	LC	Z1 0.433	W	X	1.575 1.772	1.0 1.125	U	Z2 (U	_			
Part # (repeated) WG-175-xxx-H WG-206-xxx-H WG-237-xxx-H WG-262-005-H WG-262-010-H	Frame 56C	LA 5.875	LC 6.496	Z 1	W 5/8	X 3/16	1.575 1.772	1.0 1.125	U	Z2 (U	-32			
Part # (repeated) WG-175-xxx-H WG-206-xxx-H WG-237-xxx-H WG-262-005-H WG-262-010-H WG-262-015-H	Frame 56C	LA 5.875	LC 6.496	Z1 0.433	W 5/8	X 3/16	1.575 1.772	1.0 1.125	U	#10	-32			
Part # (repeated) WG-175-xxx-H WG-206-xxx-H WG-237-xxx-H WG-262-005-H WG-262-010-H WG-262-015-H WG-262-020-H	Frame 56C	LA 5.875	LC 6.496	Z1 0.433	W 5/8	X 3/16	1.575 1.772 1.969	1.0 1.125 1.250	1/4	#10	-32			
Part # (repeated) WG-175-xxx-H WG-206-xxx-H WG-237-xxx-H WG-262-005-H WG-262-010-H WG-262-015-H WG-262-020-H WG-262-040-H	Frame 56C 182TC	LA 5.875 7.25	6.496 9.000	Z1 0.433 0.551	5/8 1-1/8	X 3/16 1/4	1.575 1.772 1.969	1.0 1.125 1.250	1/4	#10	-32			
Part # (repeated) WG-175-xxx-H WG-206-xxx-H WG-237-xxx-H WG-262-005-H WG-262-010-H WG-262-015-H WG-262-020-H WG-262-040-H WG-262-060-H	Frame 56C 182TC	LA 5.875 7.25	6.496 9.000	Z1 0.433 0.551	5/8 1-1/8	X 3/16 1/4	1.575 1.772 1.969	1.0 1.125 1.250	1/4	#10	-32			
Part # (repeated) WG-175-xxx-H WG-206-xxx-H WG-237-xxx-H WG-262-005-H WG-262-010-H WG-262-015-H WG-262-020-H WG-262-040-H WG-262-060-H WG-325-010-HC	Frame 56C 182TC	5.875 7.25 5.875	9.000 6.496	0.433 0.551 0.433	5/8 1-1/8 5/8	3/16 1/4 3/16	1.575 1.772 1.969	1.0 1.125 1.250	1/4	#10	-32			
Part # (repeated) WG-175-xxx-H WG-206-xxx-H WG-237-xxx-H WG-262-005-H WG-262-010-H WG-262-015-H WG-262-020-H WG-262-040-H WG-262-060-H WG-325-010-HC WG-325-015-HC	56C 182TC 56C 182/4TC	LA 5.875 7.25	6.496 9.000	Z1 0.433 0.551	5/8 1-1/8	X 3/16 1/4	1.575 1.772 1.969	1.0 1.125 1.250	1/4	#10	-32			
Part # (repeated) WG-175-xxx-H WG-206-xxx-H WG-237-xxx-H WG-262-005-H WG-262-010-H WG-262-015-H WG-262-020-H WG-262-040-H WG-262-060-H WG-325-010-HC WG-325-015-HC	56C 182TC 56C 182/4TC 182TC	5.875 7.25 5.875	9.000 6.496	0.433 0.551 0.433	5/8 1-1/8 5/8 1-1/8	3/16 1/4 3/16	1.575 1.772 1.969	1.0 1.125 1.250	1/4	#10	-32			
Part # (repeated) WG-175-xxx-H WG-206-xxx-H WG-237-xxx-H WG-262-005-H WG-262-010-H WG-262-020-H WG-262-040-H WG-262-060-H WG-325-010-HC WG-325-015-HC WG-325-030-HA	56C 182TC 56C 182/4TC 182TC 56C	5.875 7.25 5.875	9.000 6.496	0.433 0.551 0.433	5/8 1-1/8 5/8 1-1/8 5/8	3/16 1/4 3/16	1.575 1.772 1.969 2.362	1.0 1.125 1.250 1.437	1/4	#10: 1/4-	-32			
Part # (repeated) WG-175-xxx-H WG-206-xxx-H WG-237-xxx-H WG-262-005-H WG-262-010-H WG-262-015-H WG-262-020-H WG-262-040-H WG-325-010-HC WG-325-015-HC WG-325-030-HA WG-325-030-HB	56C 182TC 56C 182/4TC 182TC 56C 145TC	5.875 7.25 5.875	9.000 6.496	0.433 0.551 0.433	5/8 1-1/8 5/8 1-1/8 5/8 7/8	3/16 1/4 3/16	1.575 1.772 1.969	1.0 1.125 1.250	1/4	#10	-32			
Part # (repeated) WG-175-xxx-H WG-206-xxx-H WG-237-xxx-H WG-262-005-H WG-262-010-H WG-262-015-H WG-262-040-H WG-262-060-H WG-325-010-HC WG-325-015-HC WG-325-030-HA WG-325-030-HB WG-325-040-HA	56C 182TC 56C 182/4TC 182TC 56C 145TC 56C	5.875 7.25 5.875	9.000 6.496	0.433 0.551 0.433	5/8 1-1/8 5/8 1-1/8 5/8 7/8 5/8	3/16 1/4 3/16	1.575 1.772 1.969 2.362	1.0 1.125 1.250 1.437	1/4	#10: 1/4-	-32			
Part # (repeated) WG-175-xxx-H WG-206-xxx-H WG-237-xxx-H WG-262-005-H WG-262-010-H WG-262-015-H WG-262-040-H WG-262-040-H WG-325-010-HC WG-325-015-HC WG-325-030-HA WG-325-030-HA WG-325-040-HA WG-325-040-HB	56C 182TC 56C 182/4TC 182TC 56C 145TC 56C 145TC	5.875 7.25 5.875 7.25	9.000 6.496 9.000	0.433 0.551 0.433 0.55	5/8 1-1/8 5/8 1-1/8 5/8 7/8 5/8 7/8	3/16 1/4 3/16 1/4	1.575 1.772 1.969 2.362	1.0 1.125 1.250 1.437	1/4	#10: 1/4-	-32			
Part # (repeated) WG-175-xxx-H WG-206-xxx-H WG-237-xxx-H WG-262-005-H WG-262-010-H WG-262-015-H WG-262-040-H WG-262-060-H WG-325-010-HC WG-325-015-HC WG-325-030-HA WG-325-030-HB WG-325-040-HB WG-325-040-HB WG-325-060-HA	56C 182TC 56C 182/4TC 182TC 56C 145TC 56C 145TC 56C	5.875 7.25 5.875 7.25	9.000 6.496 9.000	0.433 0.551 0.433 0.55	5/8 1-1/8 5/8 1-1/8 5/8 7/8 5/8 7/8 5/8	3/16 1/4 3/16 1/4	1.575 1.772 1.969 2.362	1.0 1.125 1.250 1.437	1/4	#10: 1/4-	-32			
Part # (repeated) WG-175-xxx-H WG-206-xxx-H WG-237-xxx-H WG-262-005-H WG-262-010-H WG-262-015-H WG-262-040-H WG-262-040-H WG-325-010-HC WG-325-015-HC WG-325-030-HA WG-325-030-HA WG-325-040-HA WG-325-040-HB	56C 182TC 56C 182TC 182TC 56C 145TC 56C 145TC 56C 145TC 56C 145TC	5.875 7.25 5.875 7.25 5.88	9.000 6.496 9.000 6.50	0.433 0.551 0.433 0.55	5/8 1-1/8 5/8 1-1/8 5/8 7/8 5/8 7/8 5/8 7/8	3/16 1/4 3/16 1/4 3/16	1.575 1.772 1.969 2.362	1.0 1.125 1.250 1.437	1/4	#10: 1/4-	-32			



IRONHORSE® CAST-IRON WORM GEARBOX ACCESSORY MOUNTING BASES MOUNTING BASE SELECTION AND DIMENSIONS



	Ir	onHorse \	Norm	Gearb	οχ Μοι	ınting	Bases			IronHorse Worm Gearbox Mounting Bases														
	Fits Gearbox	Approx				E	Dimens	ions (in	1)															
Part Number	Numbers	Weight (lb)	A	В	С	D	E	F	t	d1	d2	d3												
WG-175-BASE	WG-175-xxx-x	4.0	4.19	2.76	4.50	5.75	5.69	7.00	0.69	0.43	0.35	0.55												
WG-206-BASE	WG-206-xxx-x	4.8	5.00	2.88	4.69	6.38	5.91	7.76	0.72	0.47	0.43	0.69												
WG-237-BASE	WG-237-xxx-x	6.2	5.00	2.88	4.88	7.06	6.22	8.50	0.75	0.47	0.43	0.69												
WG-262-BASE	WG-262-xxx-x	7.5	6.38	3.38	5.25	8.00	6.69	9.65	0.75	0.55	0.43	0.69												
WG-325-BASE	WG-325-xxx-xx	12.0	7.50	4.00	6.13	9.50	7.66	11.19	0.88	0.50	0.47	0.71												