

FENNER C series geared motor size 871



Modern design techniques and high quality components enable the Fenner series C helical worm gear unit to outperform any other gearbox in terms of lowest cost/Nm. The series C right angle range provides a highly efficient and compact solution with ratios from 8:1 to 13.500:1 and up to 10.000Nm.

Characteristics

Series: C

Type of gearbox: Helical Worm

Size: 871

Mounting position: B3

Construction

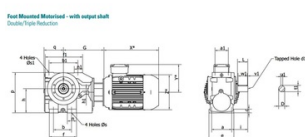
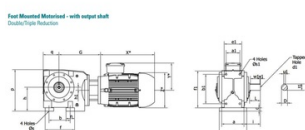
- Dimensionally interchangeable with other manufacturers
- Highly efficient gearing, saving energy and running costs
- Innovative motor adaptor uses standard IEC interface
- Oil tight gearhead enables motor removal without spillage
- Foot, Flange or shaft mounting

Application

- Ratios from 8:1 to 13,500:1
- Up to 10,000Nm
- Up to 45kW
- 8 sizes in range
- Shaft diameters from 20mm to 90mm

Approval

- ATEX certification available



Type of gearbox	Size	Motor power	Speed	Output Torque	Rated torque	Service Factor (maximum)	Gear Ratio	Number of poles	Diameter output shaft	Article
		kW		Nm	Nm				mm	
Helical Worm	871	0.18	4	274	278	1.01	362	4	30	871A5102
Helical Worm	871	0.18	5	234	278	1.19	309	4	30	871A5002
Helical Worm	871	0.18	6	172	206	1.2	217	4	30	871A2602
Helical Worm	871	0.18	6	178	278	1.56	229	4	30	871A4702
Helical Worm	871	0.18	6	192	201	1.05	247	4	30	871A2702
Helical Worm	871	0.18	7	156	276	1.77	200	4	30	871A4602
Helical Worm	871	0.18	7	176	200	1.14	190	4	30	871A4502
Helical Worm	871	0.18	9	127	257	2.02	157	4	30	871A2502
Helical Worm	871	0.18	10	115	252	2.19	142	4	30	871A2402
Helical Worm	871	0.18	11	123	128	1.04	129	4	30	871A2302
Helical Worm	871	0.18	12	108	130	1.2	114	4	30	871A2202
Helical Worm	871	0.18	14	84	234	2.79	101	4	30	871A2102
Helical Worm	871	0.18	16	73	227	3.11	86	4	25	871Z2002
Helical Worm	871	0.18	16	73	227	3.11	86	4	30	871A2002
Helical Worm	871	0.18	17	79	192	2.43	82	4	25	871Z1902
Helical Worm	871	0.18	17	79	192	2.43	82	4	30	871A1902
Helical Worm	871	0.18	19	72	206	2.86	74	4	25	871Z1802
Helical Worm	871	0.18	19	72	206	2.86	74	4	30	871A1802
Helical Worm	871	0.25	6	243	206	0.85	217	4	30	871A2606
Helical Worm	871	0.25	9	178	257	1.44	157	4	30	871A2506
Helical Worm	871	0.25	10	161	252	1.57	142	4	30	871A2406

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Type of gearbox	Size	Motor power	Speed	Output Torque	Rated torque	Service Factor (maximum)	Gear Ratio	Number of poles	Diameter output shaft	Article
		kW		Nm	Nm				mm	Max. 200 articles in the table
Helical Worm	871	0.25	11	146	239	1.64	130	4	30	871A4206
Helical Worm	871	0.25	11	159	203	1.28	120	4	30	871A4106
Helical Worm	871	0.25	12	152	130	0.86	114	4	30	871A2206
Helical Worm	871	0.25	13	118	234	1.98	101	4	30	871A2106
Helical Worm	871	0.25	16	102	227	2.23	86	4	30	871A2006
Helical Worm	871	0.25	16	112	192	1.71	82	4	25	871Z1906
Helical Worm	871	0.25	16	112	192	1.71	82	4	30	871A1906
Helical Worm	871	0.25	18	102	206	2.02	74	4	25	871Z1806
Helical Worm	871	0.25	18	102	206	2.02	74	4	30	871A1806
Helical Worm	871	0.25	21	77	202	2.62	64	4	25	871Z1706
Helical Worm	871	0.25	21	77	202	2.62	64	4	30	871A1706
Helical Worm	871	0.25	24	68	196	2.88	56	4	25	871Z1606
Helical Worm	871	0.25	24	68	196	2.88	56	4	30	871A1606
Helical Worm	871	0.25	26	74	209	2.82	53	4	25	871Z1506
Helical Worm	871	0.25	26	74	209	2.82	53	4	30	871A1506
Helical Worm	871	0.25	30	63	206	3.27	45	4	25	871Z1406
Helical Worm	871	0.25	30	63	206	3.27	45	4	30	871A1406
Helical Worm	871	0.25	35	49	179	3.65	39	4	25	871Z1306
Helical Worm	871	0.25	35	49	179	3.65	39	4	30	871A1306
Helical Worm	871	0.25	37	46	176	3.83	36	4	25	871Z1206
Helical Worm	871	0.25	37	46	176	3.83	36	4	30	871A1206
Helical Worm	871	0.37	7	325	276	0.85	200	4	30	871A4608
Helical Worm	871	0.37	9	261	257	0.98	157	4	30	871A2508
Helical Worm	871	0.37	10	232	245	1.06	140	4	30	871A4308
Helical Worm	871	0.37	10	238	252	1.06	142	4	30	871A2408
Helical Worm	871	0.37	11	216	239	1.11	130	4	30	871A4208
Helical Worm	871	0.37	11	235	203	0.86	120	4	30	871A4108
Helical Worm	871	0.37	13	175	234	1.34	101	4	30	871A2108
Helical Worm	871	0.37	13	205	204	1	105	4	30	871A4008
Helical Worm	871	0.37	16	151	227	1.5	86	4	30	871A2008
Helical Worm	871	0.37	17	165	192	1.16	82	4	25	871Z1908
Helical Worm	871	0.37	17	165	192	1.16	82	4	30	871A1908
Helical Worm	871	0.37	18	149	206	1.38	74	4	25	871Z1808
Helical Worm	871	0.37	18	149	206	1.38	74	4	30	871A1808
Helical Worm	871	0.37	21	113	202	1.79	64	4	25	871Z1708
Helical Worm	871	0.37	21	113	202	1.79	64	4	30	871A1708
Helical Worm	871	0.37	24	101	196	1.94	56	4	25	871Z1608
Helical Worm	871	0.37	24	101	196	1.94	56	4	30	871A1608
Helical Worm	871	0.37	26	109	209	1.92	53	4	25	871Z1508
Helical Worm	871	0.37	26	109	209	1.92	53	4	30	871A1508
Helical Worm	871	0.37	30	93	206	2.22	45	4	25	871Z1408
Helical Worm	871	0.37	30	93	206	2.22	45	4	30	871A1408
Helical Worm	871	0.37	35	72	179	2.49	39	4	25	871Z1308
Helical Worm	871	0.37	35	72	179	2.49	39	4	30	871A1308
Helical Worm	871	0.37	38	67	176	2.63	36	4	25	871Z1208
Helical Worm	871	0.37	38	67	176	2.63	36	4	30	871A1208
Helical Worm	871	0.37	41	70	192	2.74	33	4	25	871Z1108
Helical Worm	871	0.37	41	70	192	2.74	33	4	30	871A1108
Helical Worm	871	0.37	48	53	167	3.15	28	4	25	871Z1008
Helical Worm	871	0.37	48	53	167	3.15	28	4	30	871A1008
Helical Worm	871	0.37	54	48	161	3.35	25	4	25	871Z0908

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Type of gearbox	Size	Motor power kW	Speed	Output Torque Nm	Rated torque Nm	Service Factor (maximum)	Gear Ratio	Number of poles	Diameter output shaft mm	Article
Max. 200 articles in the table										
Helical Worm	871	0.37	54	48	161	3.35	25	4	30	871A0908
Helical Worm	871	0.37	62	42	156	3.71	22	4	25	871Z0808
Helical Worm	871	0.37	62	42	156	3.71	22	4	30	871A0808
Helical Worm	871	0.55	17	238	192	0.81	82	4	25	871Z1916
Helical Worm	871	0.55	17	238	192	0.81	82	4	30	871A1916
Helical Worm	871	0.55	19	215	206	0.96	74	4	25	871Z1816
Helical Worm	871	0.55	19	215	206	0.96	74	4	30	871A1816
Helical Worm	871	0.55	22	163	202	1.24	64	4	25	871Z1716
Helical Worm	871	0.55	22	163	202	1.24	64	4	30	871A1716
Helical Worm	871	0.55	25	145	196	1.35	56	4	25	871Z1616
Helical Worm	871	0.55	25	145	196	1.35	56	4	30	871A1616
Helical Worm	871	0.55	26	157	209	1.33	53	4	25	871Z1516
Helical Worm	871	0.55	26	157	209	1.33	53	4	30	871A1516
Helical Worm	871	0.55	31	134	206	1.54	45	4	25	871Z1416
Helical Worm	871	0.55	31	134	206	1.54	45	4	30	871A1416
Helical Worm	871	0.55	36	103	179	1.74	39	4	25	871Z1316
Helical Worm	871	0.55	36	103	179	1.74	39	4	30	871A1316
Helical Worm	871	0.55	39	97	176	1.81	36	4	25	871Z1216
Helical Worm	871	0.55	39	97	176	1.81	36	4	30	871A1216
Helical Worm	871	0.55	42	101	192	1.9	33	4	25	871Z1116
Helical Worm	871	0.55	42	101	192	1.9	33	4	30	871A1116
Helical Worm	871	0.55	50	77	167	2.17	28	4	25	871Z1016
Helical Worm	871	0.55	50	77	167	2.17	28	4	30	871A1016
Helical Worm	871	0.55	56	68	161	2.37	25	4	25	871Z0916
Helical Worm	871	0.55	56	68	161	2.37	25	4	30	871A0916
Helical Worm	871	0.55	64	61	156	2.56	22	4	25	871Z0816
Helical Worm	871	0.55	64	61	156	2.56	22	4	30	871A0816
Helical Worm	871	0.55	68	83	226	2.72	20	4	25	871Z0716
Helical Worm	871	0.55	68	83	226	2.72	20	4	30	871A0716
Helical Worm	871	0.55	74	59	168	2.85	19	4	25	871Z0616
Helical Worm	871	0.55	74	59	168	2.85	19	4	30	871A0616
Helical Worm	871	0.55	86	46	144	3.13	16	4	25	871Z0516
Helical Worm	871	0.55	86	46	144	3.13	16	4	30	871A0516
Helical Worm	871	0.55	94	46	159	3.46	14	4	25	871Z0416
Helical Worm	871	0.55	94	46	159	3.46	14	4	30	871A0416
Helical Worm	871	0.55	107	41	154	3.76	13	4	25	871Z0316
Helical Worm	871	0.55	107	41	154	3.76	13	4	30	871A0316
Helical Worm	871	0.75	22	222	202	0.91	64	4	25	871Z1718
Helical Worm	871	0.75	22	222	202	0.91	64	4	30	871A1718
Helical Worm	871	0.75	25	197	196	0.99	56	4	25	871Z1618
Helical Worm	871	0.75	25	197	196	0.99	56	4	30	871A1618
Helical Worm	871	0.75	26	214	209	0.98	53	4	25	871Z1518
Helical Worm	871	0.75	26	214	209	0.98	53	4	30	871A1518
Helical Worm	871	0.75	31	183	206	1.13	45	4	25	871Z1418
Helical Worm	871	0.75	31	183	206	1.13	45	4	30	871A1418
Helical Worm	871	0.75	36	141	179	1.27	39	4	25	871Z1318
Helical Worm	871	0.75	36	141	179	1.27	39	4	30	871A1318
Helical Worm	871	0.75	39	132	176	1.33	36	4	25	871Z1218
Helical Worm	871	0.75	39	132	176	1.33	36	4	30	871A1218
Helical Worm	871	0.75	42	137	192	1.4	33	4	25	871Z1118
Helical Worm	871	0.75	42	137	192	1.4	33	4	30	871A1118

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Type of gearbox	Size	Motor power kW	Speed	Output Torque Nm	Rated torque Nm	Service Factor (maximum)	Gear Ratio	Number of poles	Diameter output shaft mm	Article
Max. 200 articles in the table										
Helical Worm	871	0.75	50	105	167	1.59	28	4	25	871Z1018
Helical Worm	871	0.75	50	105	167	1.59	28	4	30	871A1018
Helical Worm	871	0.75	56	93	161	1.73	25	4	25	871Z0918
Helical Worm	871	0.75	56	93	161	1.73	25	4	30	871A0918
Helical Worm	871	0.75	64	83	156	1.88	22	4	25	871Z0818
Helical Worm	871	0.75	64	83	156	1.88	22	4	30	871A0818
Helical Worm	871	0.75	68	113	226	2	20	4	25	871Z0718
Helical Worm	871	0.75	68	113	226	2	20	4	30	871A0718
Helical Worm	871	0.75	74	80	168	2.1	19	4	25	871Z0618
Helical Worm	871	0.75	74	80	168	2.1	19	4	30	871A0618
Helical Worm	871	0.75	86	62	144	2.32	16	4	25	871Z0518
Helical Worm	871	0.75	86	62	144	2.32	16	4	30	871A0518
Helical Worm	871	0.75	94	63	159	2.52	14	4	25	871Z0418
Helical Worm	871	0.75	94	63	159	2.52	14	4	30	871A0418
Helical Worm	871	0.75	107	56	154	2.75	13	4	25	871Z0318
Helical Worm	871	0.75	107	56	154	2.75	13	4	30	871A0318
Helical Worm	871	0.75	121	50	149	2.98	11	4	25	871Z0218
Helical Worm	871	0.75	121	50	149	2.98	11	4	30	871A0218
Helical Worm	871	0.75	164	37	137	3.7	8	4	25	871Z0118
Helical Worm	871	0.75	164	37	137	3.7	8	4	30	871A0118
Helical Worm	871	1.1	37	202	179	0.89	39	4	25	871Z1324
Helical Worm	871	1.1	37	202	179	0.89	39	4	30	871A1324
Helical Worm	871	1.1	40	189	176	0.93	36	4	25	871Z1224
Helical Worm	871	1.1	40	189	176	0.93	36	4	30	871A1224
Helical Worm	871	1.1	43	197	192	0.97	33	4	25	871Z1124
Helical Worm	871	1.1	43	197	192	0.97	33	4	30	871A1124
Helical Worm	871	1.1	51	150	167	1.11	28	4	25	871Z1024
Helical Worm	871	1.1	51	150	167	1.11	28	4	30	871A1024
Helical Worm	871	1.1	57	134	161	1.2	25	4	25	871Z0924
Helical Worm	871	1.1	57	134	161	1.2	25	4	30	871A0924
Helical Worm	871	1.1	65	119	156	1.31	22	4	25	871Z0824
Helical Worm	871	1.1	65	119	156	1.31	22	4	30	871A0824
Helical Worm	871	1.1	70	162	226	1.4	20	4	25	871Z0724
Helical Worm	871	1.1	70	162	226	1.4	20	4	30	871A0724
Helical Worm	871	1.1	75	115	168	1.46	19	4	25	871Z0624
Helical Worm	871	1.1	75	115	168	1.46	19	4	30	871A0624
Helical Worm	871	1.1	88	90	144	1.6	16	4	25	871Z0524
Helical Worm	871	1.1	88	90	144	1.6	16	4	30	871A0524
Helical Worm	871	1.1	96	91	159	1.75	14	4	25	871Z0424
Helical Worm	871	1.1	96	91	159	1.75	14	4	30	871A0424
Helical Worm	871	1.1	109	81	154	1.9	13	4	25	871Z0324
Helical Worm	871	1.1	109	81	154	1.9	13	4	30	871A0324
Helical Worm	871	1.1	124	71	149	2.1	11	4	25	871Z0224
Helical Worm	871	1.1	124	71	149	2.1	11	4	30	871A0224
Helical Worm	871	1.1	168	53	137	2.58	8	4	25	871Z0124
Helical Worm	871	1.1	168	53	137	2.58	8	4	30	871A0124
Helical Worm	871	1.5	51	205	167	0.81	28	4	25	871Z1028
Helical Worm	871	1.5	51	205	167	0.81	28	4	30	871A1028
Helical Worm	871	1.5	57	183	161	0.88	25	4	25	871Z0928
Helical Worm	871	1.5	57	183	161	0.88	25	4	30	871A0928
Helical Worm	871	1.5	65	163	156	0.96	22	4	25	871Z0828

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Type of gearbox	Size	Motor power	Speed	Output Torque	Rated torque	Service Factor (maximum)	Gear Ratio	Number of poles	Diameter output shaft	Article
		kW		Nm	Nm				mm	Max. 200 articles in the table
Helical Worm	871	1.5	65	163	156	0.96	22	4	30	871A0828
Helical Worm	871	1.5	70	222	226	1.02	20	4	25	871Z0728
Helical Worm	871	1.5	70	222	226	1.02	20	4	30	871A0728
Helical Worm	871	1.5	75	157	168	1.07	19	4	25	871Z0628
Helical Worm	871	1.5	75	157	168	1.07	19	4	30	871A0628
Helical Worm	871	1.5	88	122	144	1.18	16	4	25	871Z0528
Helical Worm	871	1.5	88	122	144	1.18	16	4	30	871A0528
Helical Worm	871	1.5	96	124	159	1.28	14	4	25	871Z0428
Helical Worm	871	1.5	96	124	159	1.28	14	4	30	871A0428
Helical Worm	871	1.5	109	110	154	1.4	13	4	25	871Z0328
Helical Worm	871	1.5	109	110	154	1.4	13	4	30	871A0328
Helical Worm	871	1.5	124	97	149	1.54	11	4	25	871Z0228
Helical Worm	871	1.5	124	97	149	1.54	11	4	30	871A0228
Helical Worm	871	1.5	168	73	137	1.88	8	4	25	871Z0128
Helical Worm	871	1.5	168	73	137	1.88	8	4	30	871A0128
Helical Worm	871	2.2	95	184	159	0.86	14	4	25	871Z0436
Helical Worm	871	2.2	95	184	159	0.86	14	4	30	871A0436
Helical Worm	871	2.2	108	163	154	0.94	13	4	25	871Z0336
Helical Worm	871	2.2	108	163	154	0.94	13	4	30	871A0336
Helical Worm	871	2.2	123	144	149	1.03	11	4	25	871Z0236
Helical Worm	871	2.2	123	144	149	1.03	11	4	30	871A0236
Helical Worm	871	2.2	166	108	137	1.27	8	4	25	871Z0136
Helical Worm	871	2.2	166	108	137	1.27	8	4	30	871A0136
Helical Worm	871	3	165	148	137	0.93	8	4	25	871Z0138
Helical Worm	871	3	165	148	137	0.93	8	4	30	871A0138

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