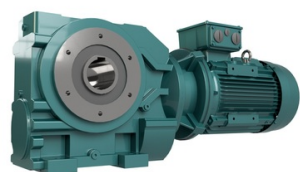


FENNER C series geared motor size 876



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: 876

Mounting position: B3

Construction

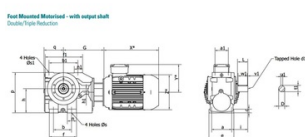
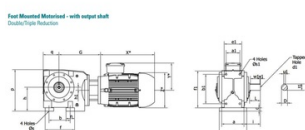
- Dimensionally interchangeable with other manufacturers
- Highly efficient gearing, saving energy and running costs
- Innovative motor adaptor uses standard IEC interface
- Oil tight gearhead enables motor removal without spillage
- Foot, Flange or shaft mounting

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	876	1.1	6	1446	5580	3.86	249	4	90	876A2724
Helical Worm	876	1.5	6	1972	5580	2.83	249	4	90	876A2728
Helical Worm	876	1.5	7	1774	5580	3.15	222	4	90	876A2628
Helical Worm	876	2.2	6	2591	5580	2.15	222	6	90	876A2645
Helical Worm	876	2.2	6	2642	5580	2.11	222	4	90	876A2636
Helical Worm	876	2.2	6	2943	5580	1.9	249	4	90	876A2736
Helical Worm	876	2.2	9	1957	5420	2.77	161	4	90	876A2536
Helical Worm	876	2.2	10	1781	5290	2.97	146	4	90	876A2436
Helical Worm	876	2.2	12	1544	4490	2.91	119	4	90	876A2336
Helical Worm	876	2.2	13	1379	4440	3.22	106	4	90	876A2236
Helical Worm	876	2.2	14	1277	4850	3.8	103	4	90	876A2136
Helical Worm	876	3	6	3603	5580	1.55	222	4	90	876A2638
Helical Worm	876	3	6	4013	5580	1.39	249	4	90	876A2738
Helical Worm	876	3	9	2669	5420	2.03	161	4	90	876A2538
Helical Worm	876	3	10	2429	5290	2.18	146	4	90	876A2438
Helical Worm	876	3	12	2105	4490	2.13	119	4	90	876A2338
Helical Worm	876	3	13	1880	4440	2.36	106	4	90	876A2238
Helical Worm	876	3	14	1755	4850	2.76	103	4	90	876A2138
Helical Worm	876	3	15	1588	4710	2.97	93	4	90	876A2038
Helical Worm	876	3	18	1385	4300	3.1	77	4	90	876A1938
Helical Worm	876	3	20	1256	4260	3.39	69	4	90	876A1838

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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	876	4	6	5258	5580	1.06	249	4	90	876A2746
Helical Worm	876	4	7	4730	5580	1.18	222	4	90	876A2646
Helical Worm	876	4	9	3518	5420	1.54	161	4	90	876A2546
Helical Worm	876	4	10	3206	5290	1.65	146	4	90	876A2446
Helical Worm	876	4	12	2760	4490	1.63	119	4	90	876A2346
Helical Worm	876	4	14	2306	4850	2.1	103	4	90	876A2146
Helical Worm	876	4	14	2470	4440	1.8	106	4	90	876A2246
Helical Worm	876	4	16	2076	4710	2.27	93	4	90	876A2046
Helical Worm	876	4	19	1817	4300	2.37	77	4	90	876A1946
Helical Worm	876	4	21	1650	4260	2.58	69	4	90	876A1846
Helical Worm	876	4	29	1185	4090	3.45	49	4	70	876Z1546
Helical Worm	876	4	29	1185	4090	3.45	49	4	90	876A1546
Helical Worm	876	4	32	1069	4030	3.77	44	4	70	876Z1446
Helical Worm	876	4	32	1069	4030	3.77	44	4	90	876A1446
Helical Worm	876	5.5	7	6405	5580	0.87	222	4	90	876A2654
Helical Worm	876	5.5	9	4784	5420	1.13	161	4	90	876A2554
Helical Worm	876	5.5	10	4320	5290	1.22	146	4	90	876A2454
Helical Worm	876	5.5	12	3764	4490	1.19	119	4	90	876A2354
Helical Worm	876	5.5	14	3125	4850	1.55	103	4	90	876A2154
Helical Worm	876	5.5	14	3371	4440	1.32	106	4	90	876A2254
Helical Worm	876	5.5	16	2818	4710	1.67	93	4	90	876A2054
Helical Worm	876	5.5	19	2472	4300	1.74	77	4	90	876A1954
Helical Worm	876	5.5	21	2236	4260	1.91	69	4	90	876A1854
Helical Worm	876	5.5	30	1607	4090	2.55	49	4	70	876Z1554
Helical Worm	876	5.5	30	1607	4090	2.55	49	4	90	876A1554
Helical Worm	876	5.5	33	1447	4030	2.79	44	4	70	876Z1454
Helical Worm	876	5.5	33	1447	4030	2.79	44	4	90	876A1454
Helical Worm	876	7.5	9	6524	5420	0.83	161	4	90	876A2556
Helical Worm	876	7.5	10	5891	5290	0.9	146	4	90	876A2456
Helical Worm	876	7.5	12	5133	4490	0.87	119	4	90	876A2356
Helical Worm	876	7.5	14	4262	4850	1.14	103	4	90	876A2156
Helical Worm	876	7.5	14	4597	4440	0.97	106	4	90	876A2256
Helical Worm	876	7.5	16	3868	4710	1.22	93	4	90	876A2056
Helical Worm	876	7.5	19	3371	4300	1.28	77	4	90	876A1956
Helical Worm	876	7.5	21	3063	4260	1.39	69	4	90	876A1856
Helical Worm	876	7.5	29	2199	4090	1.86	49	4	70	876Z1556
Helical Worm	876	7.5	29	2199	4090	1.86	49	4	90	876A1556
Helical Worm	876	7.5	33	1979	4030	2.04	44	4	70	876Z1456
Helical Worm	876	7.5	33	1979	4030	2.04	44	4	90	876A1456
Helical Worm	876	11	16	5601	4710	0.84	93	4	90	876A2066
Helical Worm	876	11	19	4918	4300	0.87	77	4	90	876A1966
Helical Worm	876	11	21	4450	4260	0.96	69	4	90	876A1866
Helical Worm	876	11	22	4029	4240	1.05	65	4	90	876A1766
Helical Worm	876	11	26	3552	4060	1.14	57	4	70	876Z1666
Helical Worm	876	11	26	3552	4060	1.14	57	4	90	876A1666
Helical Worm	876	11	30	3193	4090	1.28	49	4	70	876Z1566
Helical Worm	876	11	30	3193	4090	1.28	49	4	90	876A1566
Helical Worm	876	11	33	2876	4030	1.4	44	4	70	876Z1466
Helical Worm	876	11	33	2876	4030	1.4	44	4	90	876A1466
Helical Worm	876	11	35	2602	3640	1.4	41	4	70	876Z1366
Helical Worm	876	11	35	2602	3640	1.4	41	4	90	876A1366

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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	876	11	40	2323	3490	1.5	37	4	70	876Z1266
Helical Worm	876	11	40	2323	3490	1.5	37	4	90	876A1266
Helical Worm	876	11	47	2049	3590	1.75	31	4	70	876Z1166
Helical Worm	876	11	47	2049	3590	1.75	31	4	90	876A1166
Helical Worm	876	11	51	1815	3180	1.75	28	4	70	876Z1066
Helical Worm	876	11	51	1815	3180	1.75	28	4	90	876A1066
Helical Worm	876	11	57	1631	3050	1.87	25	4	70	876Z0966
Helical Worm	876	11	57	1631	3050	1.87	25	4	90	876A0966
Helical Worm	876	11	64	1454	2920	2.01	22	4	70	876Z0866
Helical Worm	876	11	64	1454	2920	2.01	22	4	90	876A0866
Helical Worm	876	11	74	1310	3040	2.32	19	4	70	876Z0766
Helical Worm	876	11	74	1310	3040	2.32	19	4	90	876A0766
Helical Worm	876	11	83	1178	2920	2.48	17	4	70	876Z0666
Helical Worm	876	11	83	1178	2920	2.48	17	4	90	876A0666
Helical Worm	876	11	88	1061	2580	2.43	16	4	70	876Z0566
Helical Worm	876	11	88	1061	2580	2.43	16	4	90	876A0566
Helical Worm	876	11	106	916	2650	2.89	13	4	70	876Z0466
Helical Worm	876	11	106	916	2650	2.89	13	4	90	876A0466
Helical Worm	876	11	120	820	2540	3.1	12	4	70	876Z0366
Helical Worm	876	11	120	820	2540	3.1	12	4	90	876A0366
Helical Worm	876	11	134	731	2420	3.31	10	4	70	876Z0266
Helical Worm	876	11	134	731	2420	3.31	10	4	90	876A0266
Helical Worm	876	11	184	532	2120	3.98	7	4	70	876Z0166
Helical Worm	876	11	184	532	2120	3.98	7	4	90	876A0166
Helical Worm	876	15	25	4862	4060	0.84	57	4	90	876A1668
Helical Worm	876	15	30	4369	4090	0.94	49	4	70	876Z1568
Helical Worm	876	15	30	4369	4090	0.94	49	4	90	876A1568
Helical Worm	876	15	33	3934	4030	1.02	44	4	70	876Z1468
Helical Worm	876	15	33	3934	4030	1.02	44	4	90	876A1468
Helical Worm	876	15	35	3558	3640	1.02	41	4	70	876Z1368
Helical Worm	876	15	35	3558	3640	1.02	41	4	90	876A1368
Helical Worm	876	15	39	3176	3490	1.1	37	4	70	876Z1268
Helical Worm	876	15	39	3176	3490	1.1	37	4	90	876A1268
Helical Worm	876	15	47	2806	3590	1.28	31	4	70	876Z1168
Helical Worm	876	15	47	2806	3590	1.28	31	4	90	876A1168
Helical Worm	876	15	51	2485	3180	1.28	28	4	70	876Z1068
Helical Worm	876	15	51	2485	3180	1.28	28	4	90	876A1068
Helical Worm	876	15	57	2232	3050	1.37	25	4	70	876Z0968
Helical Worm	876	15	57	2232	3050	1.37	25	4	90	876A0968
Helical Worm	876	15	64	1989	2920	1.47	22	4	70	876Z0868
Helical Worm	876	15	64	1989	2920	1.47	22	4	90	876A0868
Helical Worm	876	15	74	1791	3040	1.7	19	4	70	876Z0768
Helical Worm	876	15	74	1791	3040	1.7	19	4	90	876A0768
Helical Worm	876	15	82	1613	2920	1.81	17	4	70	876Z0668
Helical Worm	876	15	82	1613	2920	1.81	17	4	90	876A0668
Helical Worm	876	15	88	1451	2580	1.78	16	4	70	876Z0568
Helical Worm	876	15	88	1451	2580	1.78	16	4	90	876A0568
Helical Worm	876	15	106	1253	2650	2.11	13	4	70	876Z0468
Helical Worm	876	15	106	1253	2650	2.11	13	4	90	876A0468
Helical Worm	876	15	119	1122	2540	2.26	12	4	70	876Z0368
Helical Worm	876	15	119	1122	2540	2.26	12	4	90	876A0368

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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	876	15	133	1001	2420	2.42	10	4	70	876Z0268
Helical Worm	876	15	133	1001	2420	2.42	10	4	90	876A0268
Helical Worm	876	15	184	728	2120	2.91	7	4	70	876Z0168
Helical Worm	876	15	184	728	2120	2.91	7	4	90	876A0168
Helical Worm	876	18.5	33	4852	4030	0.83	44	4	70	876Z1476
Helical Worm	876	18.5	33	4852	4030	0.83	44	4	90	876A1476
Helical Worm	876	18.5	35	4388	3640	0.83	41	4	70	876Z1376
Helical Worm	876	18.5	35	4388	3640	0.83	41	4	90	876A1376
Helical Worm	876	18.5	39	3917	3490	0.89	37	4	70	876Z1276
Helical Worm	876	18.5	39	3917	3490	0.89	37	4	90	876A1276
Helical Worm	876	18.5	47	3461	3590	1.04	31	4	70	876Z1176
Helical Worm	876	18.5	47	3461	3590	1.04	31	4	90	876A1176
Helical Worm	876	18.5	51	3065	3180	1.04	28	4	70	876Z1076
Helical Worm	876	18.5	51	3065	3180	1.04	28	4	90	876A1076
Helical Worm	876	18.5	57	2753	3050	1.11	25	4	70	876Z0976
Helical Worm	876	18.5	57	2753	3050	1.11	25	4	90	876A0976
Helical Worm	876	18.5	64	2453	2920	1.19	22	4	70	876Z0876
Helical Worm	876	18.5	64	2453	2920	1.19	22	4	90	876A0876
Helical Worm	876	18.5	74	2209	3040	1.38	19	4	70	876Z0776
Helical Worm	876	18.5	74	2209	3040	1.38	19	4	90	876A0776
Helical Worm	876	18.5	82	1989	2920	1.47	17	4	70	876Z0676
Helical Worm	876	18.5	82	1989	2920	1.47	17	4	90	876A0676
Helical Worm	876	18.5	88	1790	2580	1.44	16	4	70	876Z0576
Helical Worm	876	18.5	88	1790	2580	1.44	16	4	90	876A0576
Helical Worm	876	18.5	106	1545	2650	1.72	13	4	70	876Z0476
Helical Worm	876	18.5	106	1545	2650	1.72	13	4	90	876A0476
Helical Worm	876	18.5	119	1384	2540	1.84	12	4	70	876Z0376
Helical Worm	876	18.5	119	1384	2540	1.84	12	4	90	876A0376
Helical Worm	876	18.5	133	1235	2420	1.96	10	4	70	876Z0276
Helical Worm	876	18.5	133	1235	2420	1.96	10	4	90	876A0276
Helical Worm	876	18.5	184	898	2120	2.36	7	4	70	876Z0176
Helical Worm	876	18.5	184	898	2120	2.36	7	4	90	876A0176
Helical Worm	876	22	51	3645	3180	0.87	28	4	70	876Z1078
Helical Worm	876	22	51	3645	3180	0.87	28	4	90	876A1078
Helical Worm	876	22	57	3274	3050	0.93	25	4	70	876Z0978
Helical Worm	876	22	57	3274	3050	0.93	25	4	90	876A0978
Helical Worm	876	22	64	2917	2920	1	22	4	70	876Z0878
Helical Worm	876	22	64	2917	2920	1	22	4	90	876A0878
Helical Worm	876	22	74	2627	3040	1.16	19	4	70	876Z0778
Helical Worm	876	22	74	2627	3040	1.16	19	4	90	876A0778
Helical Worm	876	22	82	2365	2920	1.23	17	4	70	876Z0678
Helical Worm	876	22	82	2365	2920	1.23	17	4	90	876A0678
Helical Worm	876	22	88	2129	2580	1.21	16	4	70	876Z0578
Helical Worm	876	22	88	2129	2580	1.21	16	4	90	876A0578
Helical Worm	876	22	106	1837	2650	1.44	13	4	70	876Z0478
Helical Worm	876	22	106	1837	2650	1.44	13	4	90	876A0478
Helical Worm	876	22	119	1646	2540	1.54	12	4	70	876Z0378
Helical Worm	876	22	119	1646	2540	1.54	12	4	90	876A0378
Helical Worm	876	22	133	1468	2420	1.65	10	4	70	876Z0278
Helical Worm	876	22	133	1468	2420	1.65	10	4	90	876A0278
Helical Worm	876	22	184	1068	2120	1.99	7	4	70	876Z0178

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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	876	22	184	1068	2120	1.99	7	4	90	876A0178
Helical Worm	876	30	83	3213	2920	0.91	17	4	70	876Z0688
Helical Worm	876	30	83	3213	2920	0.91	17	4	90	876A0688
Helical Worm	876	30	88	2893	2580	0.89	16	4	70	876Z0588
Helical Worm	876	30	88	2893	2580	0.89	16	4	90	876A0588
Helical Worm	876	30	106	2498	2650	1.06	13	4	70	876Z0488
Helical Worm	876	30	106	2498	2650	1.06	13	4	90	876A0488
Helical Worm	876	30	120	2237	2540	1.14	12	4	70	876Z0388
Helical Worm	876	30	120	2237	2540	1.14	12	4	90	876A0388
Helical Worm	876	30	134	1994	2420	1.21	10	4	70	876Z0288
Helical Worm	876	30	134	1994	2420	1.21	10	4	90	876A0288
Helical Worm	876	30	184	1452	2120	1.46	7	4	70	876Z0188
Helical Worm	876	30	184	1452	2120	1.46	7	4	90	876A0188
Helical Worm	876	37	107	3070	2650	0.86	13	4	70	876Z0494
Helical Worm	876	37	107	3070	2650	0.86	13	4	90	876A0494
Helical Worm	876	37	120	2750	2540	0.92	12	4	70	876Z0394
Helical Worm	876	37	120	2750	2540	0.92	12	4	90	876A0394
Helical Worm	876	37	134	2453	2420	0.99	10	4	70	876Z0294
Helical Worm	876	37	134	2453	2420	0.99	10	4	90	876A0294
Helical Worm	876	37	185	1784	2120	1.19	7	4	70	876Z0194
Helical Worm	876	37	185	1784	2120	1.19	7	4	90	876A0194
Helical Worm	876	45	134	2983	2420	0.81	10	4	70	876Z0295
Helical Worm	876	45	134	2983	2420	0.81	10	4	90	876A0295
Helical Worm	876	45	185	2170	2120	0.98	7	4	70	876Z0195
Helical Worm	876	45	185	2170	2120	0.98	7	4	90	876A0195

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