



Combination TIGEAR

SELECTION USING RATING TABLES

Because the efficiency of worm gear speed reducers varies from approximately 60 to 90%, it is important to consider the horsepower/torque conditions at both input and output in a given application. In a situation where motor horsepower is known (e.g., competitive interchange or when a

particular motor is available), selection can be done based on input ratings. Where a gearbox is being selected by a designer who knows driven equipment loads, the reducer is selected from the output torque capacity.

HORSEPOWER METHOD OF SELECTION

Step 1: Determine Service Factor by referring to the reducer service factor table. Read the appropriate service factor.

Step 2: To determine Equivalent Horsepower, multiply the motor horsepower by the service factor obtained in Step 1.

Step 3: To calculate the required Ratio, divide the motor shaft rpm by the reducer output shaft rpm.

Step 4: To determine the Unit Size, refer to the rating tables and read across from the ratio row and down from the motor rpm column to select a unit whose mechanical input horsepower rating meets or exceeds the equivalent horsepower.

Reducer Service Factors

Prime Mover	Duration of Service Per Day	Driven Machine Load Classification		
		Uniform	Medium Shock	Heavy Shock
Electric Motor	Occasional 1/2 hour	0.80	0.90	1.00
	Intermittent 2 hours	0.90	1.00	1.25
	10 hours	1.00	1.25	1.50
	24 hours	1.25	1.50	1.75
Electric Motor with frequent Starts and Stops	Occasional 1/2 hour	0.90	1.00	1.25
	Intermittent 2 hours	1.00	1.25	1.50
	10 hours	1.25	1.50	1.75
	24 hours	1.50	1.75	2.00

Overhung Load

To determine overhung load, divide the torque required by the pitch radius of the sprocket, sheave, etc. and multiply by the appropriate factor as follows:

Chain Drive	1.00
Synchronous Belt Drive	1.10
Spur or Helical Gear	1.25
V-Belt	1.50
Flat Belt	2.50

The calculated overhung load must not exceed the output overhung load rating.

For loads acting a more than one shaft diameter from the seal face, use the following conversion factors:

Distance in Shaft diameters from Output Seal Face	Multiply Overhung Load Capacity by this Factor
1D	1.00
2D	0.65
3D	0.45
4D	0.35
5D	0.30

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TORQUE METHOD OF SERVICE

- Step 1: Determine Service Factor** Referring to the reducer service factor table (page G5-13), determine the appropriate service factor.
- Step 2: Determine Equivalent Torque** Multiply the torque required to drive the load at the output of the reducer by the service factor obtained in Step 1. (If drive components, e.g. chain or belt drives, are used between reducer and driven equipment be sure to account for them when calculating output torque at the reducer.)
- Step 3: Calculate Required Ratio** Divide the motor shaft rpm by the reducer output shaft rpm.
- Step 4: Determine Unit Size** Refer to the rating tables and read across from ratio row and down from motor rpm column to select a unit whose mechanical output torque rating meets or exceeds the equivalent torque.
- Step 5: Determine Required Motor Horsepower** First, calculate the output horsepower using the following equation, where output torque is the torque required to drive the load at the output of the reducer:

$$\text{Output Hp} = \frac{\text{Output Speed} \times \text{Output Torque}}{63025}$$

Then calculate the required motor horsepower using the following equation to account for reducer efficiency:

$$\text{Required motor Horsepower} = \frac{\text{Output Hp} \times \text{Rated Input Hp}}{\text{Rated Output Hp}}$$

- Step 6: Select Motor Hp** From available motors, select a horsepower that is equal to or greater than the value from Step 5: When the nearest motor horsepower is greater, check service factor at input by dividing rated input horsepower by actual motor horsepower. If the service factor is less than the value from Step 1, a larger reducer may be required.



Combination TIGEAR Size C150

RATIO	RATING DATA	INPUT RPM					PART NUMBERS		SHAFT POSITION
		2500	1750	1450	1170	870	56C	140TC	
7.50	Output RPM	341	239	198	160	119	056C150T007S1A	140C150T007S1A	Taper Hollow
	Mechanical Input HP	1.99	1.52	1.32	1.12	0.85	056C150S007S1A	140C150S007S1A	Str. Hollow
	Output Torque (lb. in.)	318	345	358	375	376	056C150B007K1A	140C150B007K1A	K1
	Output HP Rating	1.72	1.31	1.12	0.95	0.71	056C150B007L1A	140C150B007L1A	L1
	Output OHL (lbs.)	843	866	877	889	903	056C150B007LKA	140C150B007LKA	LK
9.40	Output RPM	271	190	157	127	94	056C150T009S1A	140C150T009S1A	Taper Hollow
	Mechanical Input HP	1.99	1.52	1.32	1.12	0.85	056C150S009S1A	140C150S009S1A	Str. Hollow
	Output Torque (lb. in.)	400	434	451	472	473	056C150B009K1A	140C150B009K1A	K1
	Output HP Rating	1.72	1.31	1.12	0.95	0.71	056C150B009L1A	140C150B009L1A	L1
	Output OHL (lbs.)	854	882	898	916	942	056C150B009LKA	140C150B009LKA	LK
10	Output RPM	225.50	157.80	130.80	105.10	78.47	056C150T010S1A	140C150T010S1A	Taper Hollow
	Mechanical Input HP	2.01	1.52	1.32	1.12	0.85	056C150S010S1A	140C150S010S1A	Str. Hollow
	Output Torque (lb. in.)	487	522	542	567	568	056C150B010K1A	140C150B010K1A	K1
	Output HP Rating	1.74	1.31	1.12	0.95	0.71	056C150B010L1A	140C150B010L1A	L1
	Output OHL (lbs.)	867	896	919	933	960	056C150B010LKA	140C150B010LKA	LK
15	Output RPM	179.10	125.40	103.90	83.82	62.33	056C150T015S1A	140C150T015S1A	Taper Hollow
	Mechanical Input HP	2.01	1.52	1.32	1.12	0.85	056C150S015S1A	140C150S015S1A	Str. Hollow
	Output Torque (lb. in.)	613	657	682	714	716	056C150B015K1A	140C150B015K1A	K1
	Output HP Rating	1.74	1.31	1.12	0.95	0.71	056C150B015L1A	140C150B015L1A	L1
	Output OHL (lbs.)	881	910	935	948	976	056C150B015LKA	140C150B015LKA	LK
18	Output RPM	150.00	105.00	87.00	70.20	52.20	056C150T018S1A	140C150T018S1A	Taper Hollow
	Mechanical Input HP	2.01	1.52	1.32	1.12	0.85	056C150S018S1A	140C150S018S1A	Str. Hollow
	Output Torque (lb. in.)	732	784	815	852	854	056C150B018K1A	140C150B018K1A	K1
	Output HP Rating	1.74	1.31	1.12	0.95	0.71	056C150B018L1A	140C150B018L1A	L1
	Output OHL (lbs.)	891	920	947	959	987	056C150B018LKA	140C150B018LKA	LK
20	Output RPM	123.30	86.30	71.51	57.70	42.90	056C150T020S1A	140C150T020S1A	Taper Hollow
	Mechanical Input HP	2.01	1.52	1.32	1.12	0.85	056C150S020S1A	140C150S020S1A	Str. Hollow
	Output Torque (lb. in.)	891	954	991	1037	1040	056C150B020K1A	140C150B020K1A	K1
	Output HP Rating	1.74	1.31	1.12	0.95	0.71	056C150B020L1A	140C150B020L1A	L1
	Output OHL (lbs.)	901	930	959	969	998	056C150B020LKA	140C150B020LKA	LK
25	Output RPM	98.68	69.08	57.24	46.18	34.34	056C150T025S1A	140C150T025S1A	Taper Hollow
	Mechanical Input HP	2.01	1.52	1.32	1.12	0.85	056C150S025S1A	140C150S025S1A	Str. Hollow
	Output Torque (lb. in.)	1113	1192	1238	1296	1299	056C150B025K1A	140C150B025K1A	K1
	Output HP Rating	1.74	1.31	1.12	0.95	0.71	056C150B025L1A	140C150B025L1A	L1
	Output OHL (lbs.)	909	938	971	978	1008	056C150B025LKA	140C150B025LKA	LK
30	Output RPM	82.19	57.53	47.67	38.47	28.60	056C150T030S1A	140C150T030S1A	Taper Hollow
	Mechanical Input HP	1.69	1.11	1.01	0.87	0.75	056C150S030S1A	140C150S030S1A	Str. Hollow
	Output Torque (lb. in.)	1106	1022	1113	1184	1361	056C150B030K1A	140C150B030K1A	K1
	Output HP Rating	1.44	0.93	0.84	0.72	0.62	056C150B030L1A	140C150B030L1A	L1
	Output OHL (lbs.)	932	970	977	1003	1041	056C150B030LKA	140C150B030LKA	LK
38	Output RPM	65.79	46.05	38.16	30.79	22.89	056C150T038S1A	140C150T038S1A	Taper Hollow
	Mechanical Input HP	1.69	1.11	1.01	0.87	0.75	056C150S038S1A	140C150S038S1A	Str. Hollow
	Output Torque (lb. in.)	1382	1277	1391	1479	1700	056C150B038K1A	140C150B038K1A	K1
	Output HP Rating	1.44	0.93	0.84	0.72	0.62	056C150B038L1A	140C150B038L1A	L1
	Output OHL (lbs.)	940	979	983	1012	1052	056C150B038LKA	140C150B038LKA	LK
40	Output RPM	61.64	43.15	35.75	28.85	21.45	056C150T040S1A	140C150T040S1A	Taper Hollow
	Mechanical Input HP	1.50	1.13	1.01	0.83	0.66	056C150S040S1A	140C150S040S1A	Str. Hollow
	Output Torque (lb. in.)	1277	1347	1452	1458	1548	056C150B040K1A	140C150B040K1A	K1
	Output HP Rating	1.25	0.92	0.82	0.67	0.53	056C150B040L1A	140C150B040L1A	L1
	Output OHL (lbs.)	940	981	983	1013	1054	056C150B040LKA	140C150B040LKA	LK
50	Output RPM	49.34	34.54	28.62	23.09	17.17	056C150T050S1A	140C150T050S1A	Taper Hollow
	Mechanical Input HP	1.50	1.11	1.01	0.81	0.62	056C150S050S1A	140C150S050S1A	Str. Hollow
	Output Torque (lb. in.)	1596	1663	1814	1776	1802	056C150B050K1A	140C150B050K1A	K1
	Output HP Rating	1.25	0.91	0.82	0.65	0.49	056C150B050L1A	140C150B050L1A	L1
	Output OHL (lbs.)	943	985	983	1016	1061	056C150B050LKA	140C150B050LKA	LK

NOTE: All units include drilled and tapped mounting holes on the top and bottom surfaces. If optional bolt-on foot is required, order part number 6011246.

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SELECTION



Combination TIGEAR Size C150

RATIO	RATING DATA	INPUT RPM					PART NUMBER		SHAFT POSITION
		2500	1750	1450	1170	870	56C	140TC	
60	Output RPM	41.10	28.77	23.84	19.23	14.30	056C150T060S1A	---	Taper Hollow
	Mechanical Input HP	1.08	0.87	0.77	0.64	0.50	056C150S060S1A	---	Str. Hollow
	Output Torque (lb. in.)	1299	1474	1556	1585	1658	056C150B060K1A	---	K1
	Output HP Rating	0.85	0.67	0.59	0.48	0.38	056C150B060L1A	---	L1
	Output OHL (lbs.)	985	1013	1019	1062	1063	056C150B060LKA	---	LK
75	Output RPM	32.89	23.03	19.08	15.39	11.45	056C150T075S1A	---	Taper Hollow
	Mechanical Input HP	1.08	0.80	0.75	0.59	0.45	056C150S075S1A	---	Str. Hollow
	Output Torque (lb. in.)	1623	1690	1898	1809	1834	056C150B075K1A	---	K1
	Output HP Rating	0.85	0.62	0.57	0.44	0.33	056C150B075L1A	---	L1
	Output OHL (lbs.)	990	1020	1064	1067	1113	056C150B075LKA	---	LK
80	Output RPM	30.82	21.58	17.88	14.42	10.73	056C150T080S1A	---	Taper Hollow
	Mechanical Input HP	0.85	0.75	0.64	0.53	0.42	056C150S080S1A	---	Str. Hollow
	Output Torque (lb. in.)	1293	1603	1619	1649	1699	056C150B080K1A	---	K1
	Output HP Rating	0.63	0.55	0.46	0.38	0.29	056C150B080L1A	---	L1
	Output OHL (lbs.)	1019	1023	1068	1070	1118	056C150B080LKA	---	LK
90	Output RPM	27.41	19.19	15.90	12.83	9.54	056C150T090S1A	---	Taper Hollow
	Mechanical Input HP	0.75	0.57	0.50	0.41	0.31	056C150S090S1A	---	Str. Hollow
	Output Torque (lb. in.)	1315	1416	1480	1475	1506	056C150B090K1A	---	K1
	Output HP Rating	0.57	0.43	0.37	0.30	0.23	056C150B090L1A	---	L1
	Output OHL (lbs.)	1020	1063	1068	1111	1115	056C150B090LKA	---	LK
100	Output RPM	24.67	17.27	14.31	11.55	8.59	056C150T100S1A	---	Taper Hollow
	Mechanical Input HP	0.85	0.65	0.57	0.50	0.36	056C150S100S1A	---	Str. Hollow
	Output Torque (lb. in.)	1616	1717	1813	1928	1849	056C150B100K1A	---	K1
	Output HP Rating	0.63	0.47	0.41	0.35	0.25	056C150B100L1A	---	L1
	Output OHL (lbs.)	1025	1070	1073	1069	1122	056C150B100LKA	---	LK
125	Output RPM	20.55	14.38	11.92	9.62	7.15	056C150T125S1A	---	Taper Hollow
	Mechanical Input HP	0.63	0.52	0.47	0.40	0.33	056C150S125S1A	---	Str. Hollow
	Output Torque (lb. in.)	1251	1453	1556	1616	1736	056C150B125K1A	---	K1
	Output HP Rating	0.41	0.33	0.29	0.25	0.20	056C150B125L1A	---	L1
	Output OHL (lbs.)	1071	1081	1125	1132	1134	056C150B125LKA	---	LK
150	Output RPM	16.45	11.51	9.54	7.70	5.72	056C150T150S1A	---	Taper Hollow
	Mechanical Input HP	0.63	0.50	0.44	0.37	0.29	056C150S150S1A	---	Str. Hollow
	Output Torque (lb. in.)	1562	1717	1813	1846	1857	056C150B150K1A	---	K1
	Output HP Rating	0.41	0.31	0.27	0.23	0.17	056C150B150L1A	---	L1
	Output OHL (lbs.)	1081	1082	1135	1136	1173	056C150B150LKA	---	LK
160	Output RPM	15.41	10.79	8.94	7.21	5.36	056C150T160S1A	---	Taper Hollow
	Mechanical Input HP	0.52	0.47	0.39	0.33	0.25	056C150S160S1A	---	Str. Hollow
	Output Torque (lb. in.)	1300	1631	1618	1643	1592	056C150B160K1A	---	K1
	Output HP Rating	0.32	0.28	0.23	0.19	0.14	056C150B160L1A	---	L1
	Output OHL (lbs.)	1084	1133	1139	1141	1178	056C150B160LKA	---	LK
200	Output RPM	12.34	8.63	7.15	5.77	4.29	056C150T200S1A	---	Taper Hollow
	Mechanical Input HP	0.52	0.42	0.36	0.30	0.23	056C150S200S1A	---	Str. Hollow
	Output Torque (lb. in.)	1624	1788	1857	1857	1857	056C150B200K1A	---	K1
	Output HP Rating	0.32	0.25	0.21	0.17	0.13	056C150B200L1A	---	L1
	Output OHL (lbs.)	1090	1142	1143	1179	1231	056C150B200LKA	---	LK
240	Output RPM	10.27	7.19	5.96	4.81	3.58	056C150T240S1A	---	Taper Hollow
	Mechanical Input HP	0.30	0.25	0.22	0.19	0.16	056C150S240S1A	---	Str. Hollow
	Output Torque (lb. in.)	926	1091	1140	1208	1288	056C150B240K1A	---	K1
	Output HP Rating	0.15	0.12	0.11	0.09	0.07	056C150B240L1A	---	L1
	Output OHL (lbs.)	1160	1140	1134	1232	1251	056C150B240LKA	---	LK
300	Output RPM	8.22	5.76	4.77	3.85	2.86	056C150T300S1A	---	Taper Hollow
	Mechanical Input HP	0.30	0.25	0.22	0.19	0.16	056C150S300S1A	---	Str. Hollow
	Output Torque (lb. in.)	1157	1362	1425	1509	1609	056C150B300K1A	---	K1
	Output HP Rating	0.15	0.12	0.11	0.09	0.07	056C150B300L1A	---	K1
	Output OHL (lbs.)	1176	1136	1120	1244	1258	056C150B300LKA	---	LK

NOTE: All units include drilled and tapped mounting holes on the top and bottom surfaces. If optional bolt-on foot is required, order part number 6011246.

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Combination TIGEAR Size C200

RATIO	RATING DATA	INPUT RPM					PART NUMBERS			SHAFT POSITION
		2500	1750	1450	1170	870	56C	140TC	180TC	
9.40	Output RPM	265	185	154	124	92	056C200T009S1A	140C200T009S1A	180C200T009S1A	Taper Hollow
	Mechanical Input HP	4.35	3.58	3.20	2.64	1.97	056C200S009S1A	140C200S009S1A	180C200S009S1A	Str. Hollow
	Output Torque (lb. in.)	936	1093	1175	1189	1181	056C200B009K1A	140C200B009K1A	180C200B009K1A	K1
	Output HP Rating	3.94	3.22	2.87	2.34	1.73	056C200B009L1A	140C200B009L1A	180C200B009L1A	L1
	Output OHL (lbs.)	1495	1473	1455	1425	1361	056C200B009LKA	140C200B009LKA	180C200B009LKA	LK
10	Output RPM	221.20	154.80	128.30	103.50	76.96	056C200T010S1A	140C200T010S1A	180C200T010S1A	Taper Hollow
	Mechanical Input HP	4.35	3.58	3.20	2.64	2.00	056C200S010S1A	140C200S010S1A	180C200S010S1A	Str. Hollow
	Output Torque (lb. in.)	1123	1312	1409	1426	1442	056C200B010K1A	140C200B010K1A	180C200B010K1A	K1
	Output HP Rating	3.94	3.22	2.87	2.34	1.76	056C200B010L1A	140C200B010L1A	180C200B010L1A	L1
	Output OHL (lbs.)	1255	1306	1320	1359	1383	056C200B010LKA	140C200B010LKA	180C200B010LKA	LK
15	Output RPM	179.10	125.40	103.90	83.82	62.33	056C200T015S1A	140C200T015S1A	180C200T015S1A	Taper Hollow
	Mechanical Input HP	4.35	3.58	3.20	2.64	2.00	056C200S015S1A	140C200S015S1A	180C200S015S1A	Str. Hollow
	Output Torque (lb. in.)	1386	1620	1740	1761	1780	056C200B015K1A	140C200B015K1A	180C200B015K1A	K1
	Output HP Rating	3.94	3.22	2.87	2.34	1.76	056C200B015L1A	140C200B015L1A	180C200B015L1A	L1
	Output OHL (lbs.)	1295	1325	1337	1379	1400	056C200B015LKA	140C200B015LKA	180C200B015LKA	LK
18	Output RPM	150.00	105.00	87.00	70.20	52.20	056C200T018S1A	140C200T018S1A	180C200T018S1A	Taper Hollow
	Mechanical Input HP	4.35	3.58	3.20	2.64	2.00	056C200S018S1A	140C200S018S1A	180C200S018S1A	Str. Hollow
	Output Torque (lb. in.)	1655	1934	2078	2103	2126	056C200B018K1A	140C200B018K1A	180C200B018K1A	K1
	Output HP Rating	3.94	3.22	2.87	2.34	1.76	056C200B018L1A	140C200B018L1A	180C200B018L1A	L1
	Output OHL (lbs.)	1312	1339	1349	1394	1410	056C200B018LKA	140C200B018LKA	180C200B018LKA	LK
20	Output RPM	123.30	86.30	71.51	57.70	42.90	056C200T020S1A	140C200T020S1A	180C200T020S1A	Taper Hollow
	Mechanical Input HP	4.35	3.58	3.20	2.64	2.00	056C200S020S1A	140C200S020S1A	180C200S020S1A	Str. Hollow
	Output Torque (lb. in.)	2014	2353	2528	2558	2586	056C200B020K1A	140C200B020K1A	180C200B020K1A	K1
	Output HP Rating	3.94	3.22	2.87	2.34	1.76	056C200B020L1A	140C200B020L1A	180C200B020L1A	L1
	Output OHL (lbs.)	1329	1352	1358	1408	1418	056C200B020LKA	140C200B020LKA	180C200B020LKA	LK
25	Output RPM	98.68	69.08	57.24	46.18	34.34	056C200T025S1A	140C200T025S1A	180C200T025S1A	Taper Hollow
	Mechanical Input HP	4.35	3.58	3.14	2.61	2.00	056C200S025S1A	140C200S025S1A	180C200S025S1A	Str. Hollow
	Output Torque (lb. in.)	2516	2940	3097	3170	3231	056C200B025K1A	140C200B025K1A	180C200B025K1A	K1
	Output HP Rating	3.94	3.22	2.81	2.32	1.76	056C200B025L1A	140C200B025L1A	180C200B025L1A	L1
	Output OHL (lbs.)	1346	1361	1361	1419	1418	056C200B025LKA	140C200B025LKA	180C200B025LKA	LK
30	Output RPM	82.19	57.53	47.67	38.47	28.60	056C200T030S1A	140C200T030S1A	---	Taper Hollow
	Mechanical Input HP	2.95	2.06	1.89	1.69	1.41	056C200S030S1A	140C200S030S1A	---	Str. Hollow
	Output Torque (lb. in.)	1989	1960	2157	2374	2634	056C200B030K1A	140C200B030K1A	---	K1
	Output HP Rating	2.59	1.79	1.63	1.45	1.20	056C200B030L1A	140C200B030L1A	---	L1
	Output OHL (lbs.)	1385	1410	1445	1457	1513	056C200B030LKA	140C200B030LKA	---	LK
38	Output RPM	65.79	46.05	38.16	30.79	22.89	056C200T038S1A	140C200T038S1A	---	Taper Hollow
	Mechanical Input HP	2.95	2.06	1.89	1.69	1.41	056C200S038S1A	140C200S038S1A	---	Str. Hollow
	Output Torque (lb. in.)	2484	2449	2695	2966	3291	056C200B038K1A	140C200B038K1A	---	K1
	Output HP Rating	2.59	1.79	1.63	1.45	1.20	056C200B038L1A	140C200B038L1A	---	L1
	Output OHL (lbs.)	1403	1421	1460	1467	1526	056C200B038LKA	140C200B038LKA	---	LK
40	Output RPM	61.64	43.15	35.75	28.85	21.45	056C200T040S1A	140C200T040S1A	---	Taper Hollow
	Mechanical Input HP	2.53	2.08	1.88	1.54	1.17	056C200S040S1A	140C200S040S1A	---	Str. Hollow
	Output Torque (lb. in.)	2226	2585	2798	2826	2826	056C200B040K1A	140C200B040K1A	---	K1
	Output HP Rating	2.18	1.77	1.59	1.29	0.96	056C200B040L1A	140C200B040L1A	---	L1
	Output OHL (lbs.)	1407	1423	1462	1467	1529	056C200B040LKA	140C200B040LKA	---	LK
50	Output RPM	49.34	34.54	28.62	23.09	17.17	056C200T050S1A	140C200T050S1A	---	Taper Hollow
	Mechanical Input HP	2.53	2.03	1.76	1.50	1.12	056C200S050S1A	140C200S050S1A	---	Str. Hollow
	Output Torque (lb. in.)	2782	3165	3280	3429	3381	056C200B050K1A	140C200B050K1A	---	K1
	Output HP Rating	2.18	1.73	1.49	1.26	0.92	056C200B050L1A	140C200B050L1A	---	L1
	Output OHL (lbs.)	1421	1425	1469	1465	1533	056C200B050LKA	140C200B050LKA	---	LK
60	Output RPM	41.10	28.77	23.84	19.23	14.30	056C200T060S1A	140C200T060S1A	---	Taper Hollow
	Mechanical Input HP	1.81	1.50	1.33	1.09	0.83	056C200S060S1A	140C200S060S1A	---	Str. Hollow
	Output Torque (lb. in.)	2278	2665	2826	2826	2826	056C200B060K1A	140C200B060K1A	---	K1
	Output HP Rating	1.49	1.22	1.07	0.86	0.64	056C200B060L1A	140C200B060L1A	---	L1
	Output OHL (lbs.)	1458	1472	1529	1537	1585	056C200B060LKA	140C200B060LKA	---	LK

NOTE: All units include drilled and tapped mounting holes on the top and bottom surfaces. If optional bolt-on foot is required, order part number 6011253.

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SELECTION



Combination TIGEAR Size C200

RATIO	RATING DATA	INPUT RPM					PART NUMBERS			SHAFT POSITION
		2500	1750	1450	1170	870	56C	140TC	180TC	
75	Output RPM	32.89	23.03	19.08	15.39	11.45	056C200T075S1A	140C200T075S1A	---	Taper Hollow
	Mechanical Input HP	1.81	1.50	1.27	1.05	0.81	056C200S075S1A	140C200S075S1A	---	Str. Hollow
	Output Torque (lb. in.)	2846	3329	3367	3390	3453	056C200B075K1A	140C200B075K1A	---	K1
	Output HP Rating	1.49	1.22	1.02	0.83	0.63	056C200B075L1A	140C200B075L1A	---	L1
	Output OHL (lbs.)	1510	1470	1539	1538	1587	056C200B075LKA	140C200B075LKA	---	LK
80	Output RPM	30.82	21.58	17.88	14.42	10.73	056C200T080S1A	140C200T080S1A	---	Taper Hollow
	Mechanical Input HP	1.48	1.18	1.06	0.87	0.66	056C200S080S1A	140C200S080S1A	---	Str. Hollow
	Output Torque (lb. in.)	2325	2640	2826	2826	2826	056C200B080K1A	140C200B080K1A	---	K1
	Output HP Rating	1.14	0.90	0.80	0.65	0.48	056C200B080L1A	140C200B080L1A	---	L1
	Output OHL (lbs.)	1516	1537	1544	1590	1653	056C200B080LKA	140C200B080LKA	---	LK
90	Output RPM	27.41	19.19	15.90	12.83	9.54	056C200T090S1A	140C200T090S1A	---	Taper Hollow
	Mechanical Input HP	1.53	1.27	1.11	0.92	0.75	056C200S090S1A	140C200S090S1A	---	Str. Hollow
	Output Torque (lb. in.)	2794	3248	3384	3418	3666	056C200B090K1A	140C200B090K1A	---	K1
	Output HP Rating	1.22	0.99	0.85	0.70	0.55	056C200B090L1A	140C200B090L1A	---	L1
	Output OHL (lbs.)	1478	1542	1544	1594	1660	056C200B090LKA	140C200B090LKA	---	LK
100	Output RPM	24.67	17.27	14.31	11.55	8.59	056C200T100S1A	140C200T100S1A	---	Taper Hollow
	Mechanical Input HP	1.48	1.17	1.02	0.85	0.65	056C200S100S1A	140C200S100S1A	---	Str. Hollow
	Output Torque (lb. in.)	2969	3290	3401	3434	3468	056C200B100K1A	140C200B100K1A	---	K1
	Output HP Rating	1.16	0.90	0.77	0.63	0.47	056C200B100L1A	140C200B100L1A	---	L1
	Output OHL (lbs.)	1532	1544	1543	1595	1665	056C200B100LKA	140C200B100LKA	---	LK
125	Output RPM	19.74	13.82	11.45	9.24	6.87	056C200T125S1A	---	---	Taper Hollow
	Mechanical Input HP	1.20	1.00	0.86	0.75	0.55	056C200S125S1A	---	---	Str. Hollow
	Output Torque (lb. in.)	2896	3372	3432	3660	3498	056C200B125K1A	---	---	K1
	Output HP Rating	0.91	0.74	0.62	0.54	0.38	056C200B125L1A	---	---	L1
	Output OHL (lbs.)	1546	1545	1599	1666	1672	056C200B125LKA	---	---	LK
150	Output RPM	16.45	11.51	9.54	7.70	5.72	056C200T150S1A	---	---	Taper Hollow
	Mechanical Input HP	1.02	0.85	0.78	0.65	0.51	056C200S150S1A	---	---	Str. Hollow
	Output Torque (lb. in.)	2735	3198	3440	3482	3518	056C200B150K1A	---	---	K1
	Output HP Rating	0.71	0.58	0.52	0.43	0.32	056C200B150L1A	---	---	L1
	Output OHL (lbs.)	1558	1607	1616	1683	1683	056C200B150LKA	---	---	LK
160	Output RPM	15.41	10.79	8.94	7.21	5.36	056C200T160S1A	---	---	Taper Hollow
	Mechanical Input HP	0.82	0.75	0.64	0.53	0.41	056C200S160S1A	---	---	Str. Hollow
	Output Torque (lb. in.)	2211	2813	2826	2826	2826	056C200B160K1A	---	---	K1
	Output HP Rating	0.54	0.48	0.40	0.32	0.24	056C200B160L1A	---	---	L1
	Output OHL (lbs.)	1600	1667	1684	1690	1763	056C200B160LKA	---	---	LK
200	Output RPM	12.34	8.63	7.15	5.77	4.29	056C200T200S1A	---	---	Taper Hollow
	Mechanical Input HP	0.82	0.75	0.63	0.53	0.41	056C200S200S1A	---	---	Str. Hollow
	Output Torque (lb. in.)	2762	3514	3496	3520	3530	056C200B200K1A	---	---	K1
	Output HP Rating	0.54	0.48	0.40	0.32	0.24	056C200B200L1A	---	---	L1
	Output OHL (lbs.)	1613	1681	1703	1691	1774	056C200B200LKA	---	---	LK
240	Output RPM	10.27	7.19	5.96	4.81	3.58	056C200T240S1A	---	---	Taper Hollow
	Mechanical Input HP	0.58	0.45	0.42	0.37	0.31	056C200S240S1A	---	---	Str. Hollow
	Output Torque (lb. in.)	2100	2236	2450	2628	2826	056C200B240K1A	---	---	K1
	Output HP Rating	0.34	0.26	0.23	0.20	0.16	056C200B240L1A	---	---	L1
	Output OHL (lbs.)	1676	1745	1764	1780	1836	056C200B240LKA	---	---	LK
300	Output RPM	8.22	5.76	4.77	3.85	2.86	056C200T300S1A	---	---	Taper Hollow
	Mechanical Input HP	0.58	0.45	0.42	0.37	0.31	056C200S300S1A	---	---	Str. Hollow
	Output Torque (lb. in.)	2624	2794	3061	3284	3530	056C200B300K1A	---	---	K1
	Output HP Rating	0.34	0.26	0.23	0.20	0.16	056C200B300L1A	---	---	L1
	Output OHL (lbs.)	1694	1767	1781	1789	1848	056C200B300LKA	---	---	LK

NOTE: All units include drilled and tapped mounting holes on the top and bottom surfaces. If optional bolt-on foot is required, order part number 6011253.

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Combination TIGEAR Size C262

RATIO	RATING DATA	INPUT RPM					PART NUMBERS			SHAFT POSITION
		2500	1750	1450	1170	870	56C	140TC	180TC	
7.50	Output RPM	341	239	198	160	119	056C262T007S1A	140C262T007S1A	180C262T007S1A	Taper Hollow
	Mechanical Input HP	5.87	5.00	4.59	4.22	3.66	056C262S007S1A	140C262S007S1A	180C262S007S1A	Str. Hollow
	Output Torque (lb. in.)	993	1176	1317	1491	1722	056C262B007K1A	140C262B007K1A	180C262B007K1A	K1
	Output HP Rating	5.37	4.46	4.14	3.78	3.25	056C262B007L1A	140C262B007L1A	180C262B007L1A	L1
	Output OHL (lbs.)	2989	2969	2952	2930	2899	056C262B007LKA	140C262B007LKA	180C262B007LKA	LK
9.40	Output RPM	266	186	154	124	92	056C262T009S1A	140C262T009S1A	180C262T009S1A	Taper Hollow
	Mechanical Input HP	5.87	5.00	4.59	4.22	3.66	056C262S009S1A	140C262S009S1A	180C262S009S1A	Str. Hollow
	Output Torque (lb. in.)	1273	1511	1693	1924	2227	056C262B009K1A	140C262B009K1A	180C262B009K1A	K1
	Output HP Rating	5.37	4.46	4.14	3.78	3.25	056C262B009L1A	140C262B009L1A	180C262B009L1A	L1
	Output OHL (lbs.)	2375	2448	2485	2528	2589	056C262B009LKA	140C262B009LKA	180C262B009LKA	LK
10	Output RPM	220.00	154.00	127.60	103.00	76.56	056C262T010S1A	140C262T010S1A	180C262T010S1A	Taper Hollow
	Mechanical Input HP	6.52	5.43	5.07	4.65	4.03	056C262S010S1A	140C262S010S1A	180C262S010S1A	Str. Hollow
	Output Torque (lb. in.)	1710	2023	2257	2553	2946	056C262B010K1A	140C262B010K1A	180C262B010K1A	K1
	Output HP Rating	5.97	4.94	4.57	4.17	3.58	056C262B010L1A	140C262B010L1A	180C262B010L1A	L1
	Output OHL (lbs.)	2102	2220	2275	2637	2696	056C262B010LKA	140C262B010LKA	180C262B010LKA	LK
15	Output RPM	179.10	125.40	103.90	83.82	62.33	056C262T015S1A	140C262T015S1A	180C262T015S1A	Taper Hollow
	Mechanical Input HP	6.52	5.43	5.07	4.65	4.03	056C262S015S1A	140C262S015S1A	180C262S015S1A	Str. Hollow
	Output Torque (lb. in.)	2101	2485	2773	3135	3619	056C262B015K1A	140C262B015K1A	180C262B015K1A	K1
	Output HP Rating	5.97	4.94	4.57	4.17	3.58	056C262B015L1A	140C262B015L1A	180C262B015L1A	L1
	Output OHL (lbs.)	2181	2283	2326	2683	2727	056C262B015LKA	140C262B015LKA	180C262B015LKA	LK
18	Output RPM	150.00	105.00	87.00	70.20	52.20	056C262T018S1A	140C262T018S1A	180C262T018S1A	Taper Hollow
	Mechanical Input HP	6.52	5.43	5.07	4.65	4.03	056C262S018S1A	140C262S018S1A	180C262S018S1A	Str. Hollow
	Output Torque (lb. in.)	2509	2967	3311	3744	4321	056C262B018K1A	140C262B018K1A	180C262B018K1A	K1
	Output HP Rating	5.97	4.94	4.57	4.17	3.58	056C262B018L1A	140C262B018L1A	180C262B018L1A	L1
	Output OHL (lbs.)	2274	2371	2410	2717	2757	056C262B018LKA	140C262B018LKA	180C262B018LKA	LK
20	Output RPM	123.30	86.30	71.51	57.70	42.90	056C262T020S1A	140C262T020S1A	180C262T020S1A	Taper Hollow
	Mechanical Input HP	6.52	5.43	5.07	4.65	4.03	056C262S020S1A	140C262S020S1A	180C262S020S1A	Str. Hollow
	Output Torque (lb. in.)	3052	3610	4028	4555	5257	056C262B020K1A	140C262B020K1A	180C262B020K1A	K1
	Output HP Rating	5.97	4.94	4.57	4.17	3.58	056C262B020L1A	140C262B020L1A	180C262B020L1A	L1
	Output OHL (lbs.)	2357	2436	2461	2749	2781	056C262B020LKA	140C262B020LKA	180C262B020LKA	LK
25	Output RPM	98.68	69.08	57.24	46.18	34.34	056C262T025S1A	140C262T025S1A	180C262T025S1A	Taper Hollow
	Mechanical Input HP	6.52	5.37	5.07	4.62	3.60	056C262S025S1A	140C262S025S1A	180C262S025S1A	Str. Hollow
	Output Torque (lb. in.)	3813	4462	5032	5657	5863	056C262B025K1A	140C262B025K1A	180C262B025K1A	K1
	Output HP Rating	5.97	4.89	4.57	4.15	3.19	056C262B025L1A	140C262B025L1A	180C262B025L1A	L1
	Output OHL (lbs.)	2441	2491	2496	2779	2799	056C262B025LKA	140C262B025LKA	180C262B025LKA	LK
30	Output RPM	82.19	57.53	47.67	38.47	28.60	056C262T030S1A	140C262T030S1A	180C262T030S1A	Taper Hollow
	Mechanical Input HP	5.37	4.45	4.09	3.71	3.10	056C262S030S1A	140C262S030S1A	180C262S030S1A	Str. Hollow
	Output Torque (lb. in.)	3694	4331	4789	5345	5938	056C262B030K1A	140C262B030K1A	180C262B030K1A	K1
	Output HP Rating	4.82	3.95	3.62	3.26	2.70	056C262B030L1A	140C262B030L1A	180C262B030L1A	L1
	Output OHL (lbs.)	2455	2751	2773	2790	2795	056C262B030LKA	140C262B030LKA	180C262B030LKA	LK
38	Output RPM	65.79	46.05	38.16	30.79	22.89	056C262T038S1A	140C262T038S1A	180C262T038S1A	Taper Hollow
	Mechanical Input HP	5.37	4.45	4.03	3.29	2.52	056C262S038S1A	140C262S038S1A	180C262S038S1A	Str. Hollow
	Output Torque (lb. in.)	4616	5410	5893	5918	6016	056C262B038K1A	140C262B038K1A	180C262B038K1A	K1
	Output HP Rating	4.82	3.95	3.57	2.89	2.19	056C262B038L1A	140C262B038L1A	180C262B038L1A	L1
	Output OHL (lbs.)	2507	2781	2796	2802	2923	056C262B038LKA	140C262B038LKA	180C262B038LKA	LK
40	Output RPM	61.64	43.15	35.75	28.85	21.45	056C262T040S1A	140C262T040S1A	180C262T040S1A	Taper Hollow
	Mechanical Input HP	4.25	3.63	3.38	3.07	2.42	056C262S040S1A	140C262S040S1A	180C262S040S1A	Str. Hollow
	Output Torque (lb. in.)	3822	4619	5166	5760	6018	056C262B040K1A	140C262B040K1A	180C262B040K1A	K1
	Output HP Rating	3.74	3.16	2.93	2.64	2.05	056C262B040L1A	140C262B040L1A	180C262B040L1A	L1
	Output OHL (lbs.)	2743	2786	2797	2799	2924	056C262B040LKA	140C262B040LKA	180C262B040LKA	LK
50	Output RPM	49.34	34.54	28.62	23.09	17.17	056C262T050S1A	140C262T050S1A	180C262T050S1A	Taper Hollow
	Mechanical Input HP	4.25	3.63	3.11	2.57	2.00	056C262S050S1A	140C262S050S1A	180C262S050S1A	Str. Hollow
	Output Torque (lb. in.)	4775	5771	5935	6018	6200	056C262B050K1A	140C262B050K1A	180C262B050K1A	K1
	Output HP Rating	3.74	3.16	2.70	2.21	1.69	056C262B050L1A	140C262B050L1A	180C262B050L1A	L1
	Output OHL (lbs.)	2776	2805	2804	2926	2927	056C262B050LKA	140C262B050LKA	180C262B050LKA	LK

NOTE: All units include drilled and tapped mounting holes on the top and bottom surfaces. If optional bolt-on foot is required, order part number 6011253.

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SELECTION



Combination TIGEAR Size C262

RATIO	RATING DATA	INPUT RPM					PART NUMBERS			SHAFT POSITION
		2500	1750	1450	1170	870	56C	140TC	180TC	
60	Output RPM	41.10	28.77	23.84	19.23	14.30	056C262T060S1A	140C262T060S1A	---	Taper Hollow
	Mechanical Input HP	3.15	2.73	2.53	2.26	1.73	056C262S060S1A	140C262S060S1A	---	Str. Hollow
	Output Torque (lb. in.)	4101	5012	5555	6070	6133	056C262B060K1A	140C262B060K1A	---	K1
	Output HP Rating	2.67	2.29	2.10	1.85	1.39	056C262B060L1A	140C262B060L1A	---	L1
	Output OHL (lbs.)	2794	2910	2926	2935	3028	056C262B060LKA	140C262B060LKA	---	LK
75	Output RPM	32.89	23.03	19.08	15.39	11.45	056C262T075S1A	140C262T075S1A	---	Taper Hollow
	Mechanical Input HP	3.15	2.59	2.23	1.84	1.41	056C262S075S1A	140C262S075S1A	---	Str. Hollow
	Output Torque (lb. in.)	5124	5928	6086	6138	6205	056C262B075K1A	140C262B075K1A	---	K1
	Output HP Rating	2.67	2.17	1.84	1.50	1.13	056C262B075L1A	140C262B075L1A	---	L1
	Output OHL (lbs.)	2812	2933	2939	3031	3157	056C262B075LKA	140C262B075LKA	---	LK
80	Output RPM	30.82	21.58	17.88	14.42	10.73	SEE NEXT PAGE	---	---	Taper Hollow
	Mechanical Input HP	2.44	2.13	1.81	1.51	1.17	SEE NEXT PAGE	---	---	Str. Hollow
	Output Torque (lb. in.)	4156	5109	5174	5285	5410	056C262B080K1A	140C262B080K1A	---	K1
	Output HP Rating	2.03	1.75	1.47	1.21	0.92	056C262B080L1A	140C262B080L1A	---	L1
	Output OHL (lbs.)	2903	2932	3018	3028	3159	056C262B080LKA	140C262B080LKA	---	LK
90	Output RPM	27.41	19.19	15.90	12.83	9.54	SEE NEXT PAGE	---	---	Taper Hollow
	Mechanical Input HP	2.69	2.20	1.88	1.56	1.19	SEE NEXT PAGE	---	---	Str. Hollow
	Output Torque (lb. in.)	5224	6003	6138	6211	6267	056C262B090K1A	140C262B090K1A	---	K1
	Output HP Rating	2.27	1.83	1.55	1.26	0.95	056C262B090L1A	140C262B090L1A	---	L1
	Output OHL (lbs.)	2918	2937	3027	3029	3166	056C262B090LKA	140C262B090LKA	---	LK
100	Output RPM	24.67	17.27	14.31	11.55	8.59	SEE NEXT PAGE	---	---	Taper Hollow
	Mechanical Input HP	2.44	2.02	1.73	1.42	1.09	SEE NEXT PAGE	---	---	Str. Hollow
	Output Torque (lb. in.)	5192	6041	6172	6205	6295	056C262B100K1A	140C262B100K1A	---	K1
	Output HP Rating	2.03	1.66	1.40	1.14	0.86	056C262B100L1A	140C262B100L1A	---	L1
	Output OHL (lbs.)	2929	2937	3034	3156	3172	056C262B100LKA	140C262B100LKA	---	LK
125	Output RPM	19.74	13.82	11.45	9.24	6.87	SEE NEXT PAGE	---	---	Taper Hollow
	Mechanical Input HP	2.07	1.70	1.48	1.20	0.92	SEE NEXT PAGE	---	---	Str. Hollow
	Output Torque (lb. in.)	5320	6125	6349	6272	6340	056C262B125K1A	140C262B125K1A	---	K1
	Output HP Rating	1.67	1.34	1.15	0.92	0.69	056C262B125L1A	140C262B125L1A	---	L1
	Output OHL (lbs.)	2947	3039	3164	3179	3280	056C262B125LKA	140C262B125LKA	---	LK
150	Output RPM	16.45	11.51	9.54	7.70	5.72	056C262T150S1A	140C262T150S1A	---	Taper Hollow
	Mechanical Input HP	1.91	1.50	1.29	1.07	0.83	056C262S150S1A	140C262S150S1A	---	Str. Hollow
	Output Torque (lb. in.)	5597	6169	6261	6315	6388	056C262B150K1A	140C262B150K1A	---	K1
	Output HP Rating	1.46	1.13	0.95	0.77	0.58	056C262B150L1A	140C262B150L1A	---	L1
	Output OHL (lbs.)	3044	3051	3190	3198	3305	056C262B150LKA	140C262B150LKA	---	LK
160	Output RPM	15.41	10.79	8.94	7.21	5.36	056C262T160S1A	140C262T160S1A	---	Taper Hollow
	Mechanical Input HP	1.72	1.50	1.32	1.11	0.87	056C262S160S1A	140C262S160S1A	---	Str. Hollow
	Output Torque (lb. in.)	5024	6002	6267	6297	6380	056C262B160K1A	140C262B160K1A	---	K1
	Output HP Rating	1.23	1.03	0.89	0.72	0.54	056C262B160L1A	140C262B160L1A	---	L1
	Output OHL (lbs.)	3057	3195	3211	3223	3335	056C262B160LKA	140C262B160LKA	---	LK
200	Output RPM	12.34	8.63	7.15	5.77	4.29	056C262T200S1A	140C262T200S1A	---	Taper Hollow
	Mechanical Input HP	1.70	1.25	1.08	0.90	0.75	056C262S200S1A	140C262S200S1A	---	Str. Hollow
	Output Torque (lb. in.)	6209	6223	6345	6387	6836	056C262B200K1A	140C262B200K1A	---	K1
	Output HP Rating	1.22	0.85	0.72	0.59	0.47	056C262B200L1A	140C262B200L1A	---	L1
	Output OHL (lbs.)	3072	3220	3223	3329	3476	056C262B200LKA	140C262B200LKA	---	LK
240	Output RPM	10.27	7.19	5.96	4.81	3.58	056C262T240S1A	---	---	Taper Hollow
	Mechanical Input HP	1.16	0.88	0.83	0.76	0.66	056C262S240S1A	---	---	Str. Hollow
	Output Torque (lb. in.)	4348	4730	5216	5751	6368	056C262B240K1A	---	---	K1
	Output HP Rating	0.71	0.54	0.49	0.44	0.36	056C262B240L1A	---	---	L1
	Output OHL (lbs.)	3220	3326	3344	3360	3514	056C262B240LKA	---	---	LK
300	Output RPM	8.22	5.76	4.77	3.85	2.86	056C262T300S1A	---	---	Taper Hollow
	Mechanical Input HP	1.01	0.88	0.82	0.68	0.53	056C262S300S1A	---	---	Str. Hollow
	Output Torque (lb. in.)	4694	5909	6436	6436	6436	056C262B300K1A	---	---	K1
	Output HP Rating	0.61	0.54	0.49	0.39	0.29	056C262B300L1A	---	---	L1
	Output OHL (lbs.)	3248	3353	3357	3504	3527	056C262B300LKA	---	---	LK

NOTE: All units include drilled and tapped mounting holes on the top and bottom surfaces. If optional bolt-on foot is required, order part number 6011253.

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SELECTION



Combination TIGEAR

Combination TIGEAR Size C262 HOLLOW OUTPUT SHAFT

NOTE: Ratings for the following ratios are different from Solid Shaft ratings.
This is only applicable to size C262

RATIO	RATING DATA	INPUT RPM					PART NUMBER			SHAFT POSITION
		2500	1750	1450	1170	870	56C	140TC	180TC	
80	Output RPM	29.85	20.90	17.31	13.97	10.39	056C262T080S1A	140C262T080S1A	---	Taper Hollow Str. Hollow
	Mechanical Input HP	1.91	1.60	1.50	1.35	1.14	056C262S080S1A	140C262S080S1A	---	
	Output Torque (lb. in.)	3008	3620	4035	4400	4861				
	Output HP Rating	1.42	1.20	1.11	0.98	0.80				
	Output OHL (lbs.)	2903	2932	3018	3028	3159				
90	Output RPM	27.50	19.25	15.95	12.87	9.57	056C262T090S1A	140C262T090S1A	---	Taper Hollow Str. Hollow
	Mechanical Input HP	1.75	1.50	1.33	1.13	1.00	056C262S090S1A	140C262S090S1A	---	
	Output Torque (lb. in.)	2868	3373	3529	3607	4115				
	Output HP Rating	1.25	1.03	0.89	0.74	0.62				
	Output OHL (lbs.)	2918	2937	3027	3029	3166				
100	Output RPM	25.00	17.50	14.50	11.70	8.70	056C262T100S1A	140C262T100S1A	---	Taper Hollow Str. Hollow
	Mechanical Input HP	1.91	1.60	1.34	1.35	1.14	056C262S100S1A	140C262S100S1A	---	
	Output Torque (lb. in.)	3591	4322	4275	5254	5804				
	Output HP Rating	1.42	1.20	0.98	0.98	0.80				
	Output OHL (lbs.)	2929	2937	3034	3156	3172				
125	Output RPM	20.55	14.38	11.92	9.62	7.15	056C262T125S1A	140C262T125S1A	---	Taper Hollow Str. Hollow
	Mechanical Input HP	1.91	1.60	1.50	1.31	1.02	056C262S125S1A	140C262S125S1A	---	
	Output Torque (lb. in.)	4480	5258	5861	6243	6314				
	Output HP Rating	1.46	1.20	1.11	0.95	0.72				
	Output OHL (lbs.)	2947	3039	3164	3179	3280				

NOTE: All units include drilled and tapped mounting holes on the top and bottom surfaces. If optional bolt-on foot is required, order part number 6011260.

Engineering

System-1

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SELECTION



Combination TIGEAR Size C350

RATIO	RATING DATA	INPUT RPM					PART NUMBERS				SHAFT POSITION
		2500	1750	1450	1170	870	56C	140TC	180TC	210TC	
6.10	Output RPM	415	290	240	194	144	---	140C350T006S1A	180C350T006S1A	210C350T006S1A*	Taper Hollow Str. Hollow K1 L1 LK
	Mechanical Input HP	12.98	11.26	10.33	9.25	8.24	---	140C350S006S1A	180C350S006S1A	210C350S006S1A*	
	Output Torque (lb. in.)	1811	2229	2459	2714	3225	---	140C350B006K1A	180C350B006K1A	210C350B006K1A*	
	Output HP Rating	11.92	10.26	9.38	8.36	7.38	---	140C350B006L1A	180C350B006L1A	210C350B006L1A*	
	Output OHL (lbs.)	4251	4377	4445	4524	4626	---	140C350B006LKA	180C350B006LKA	210C350B006LKA*	
7.50	Output RPM	333	233	193	156	116	---	140C350T007S1A	180C350T007S1A	210C350T007S1A*	Taper Hollow Str. Hollow K1 L1 LK
	Mechanical Input HP	12.98	11.26	10.33	9.25	8.24	---	140C350S007S1A	180C350S007S1A	210C350S007S1A*	
	Output Torque (lb. in.)	2253	2772	3059	3376	4011	---	140C350B007K1A	180C350B007K1A	210C350B007K1A*	
	Output HP Rating	11.92	10.26	9.38	8.36	7.38	---	140C350B007L1A	180C350B007L1A	210C350B007L1A*	
	Output OHL (lbs.)	4302	4421	4484	4559	4604	---	140C350B007LKA	180C350B007LKA	210C350B007LKA*	
9.40	Output RPM	265	186	154	124	92	---	140C350T009S1A	180C350T009S1A	210C350T009S1A*	Taper Hollow Str. Hollow K1 L1 LK
	Mechanical Input HP	12.98	11.26	10.33	9.25	8.24	---	140C350S009S1A	180C350S009S1A	210C350S009S1A*	
	Output Torque (lb. in.)	2831	3483	3843	4242	5040	---	140C350B009K1A	180C350B009K1A	210C350B009K1A*	
	Output HP Rating	11.92	10.26	9.38	8.36	7.38	---	140C350B009L1A	180C350B009L1A	210C350B009L1A*	
	Output OHL (lbs.)	4336	4407	4409	4412	4355	---	140C350B009LKA	180C350B009LKA	210C350B009LKA*	
10	Output RPM	221.20	154.80	128.30	103.50	76.96	---	---	180C350T010S1A	210C350T010S1A*	Taper Hollow Str. Hollow K1 L1 LK
	Mechanical Input HP	12.98	11.26	10.33	9.25	8.24	---	---	180C350S010S1A	210C350S010S1A*	
	Output Torque (lb. in.)	3396	4179	4611	5089	6046	---	---	180C350B010K1A	210C350B010K1A*	
	Output HP Rating	11.92	10.26	9.38	8.36	7.38	---	---	180C350B010L1A	210C350B010L1A*	
	Output OHL (lbs.)	4533	4653	4713	4826	4917	---	---	180C350B010LKA	210C350B010LKA*	
15	Output RPM	179.10	125.40	103.90	83.82	62.33	---	---	180C350T015S1A	210C350T015S1A*	Taper Hollow Str. Hollow K1 L1 LK
	Mechanical Input HP	12.98	11.26	10.33	9.25	8.24	---	---	180C350S015S1A	210C350S015S1A*	
	Output Torque (lb. in.)	4193	5160	5693	6284	7466	---	---	180C350B015K1A	210C350B015K1A*	
	Output HP Rating	11.92	10.26	9.38	8.36	7.38	---	---	180C350B015L1A	210C350B015L1A*	
	Output OHL (lbs.)	4610	4726	4781	4899	4915	---	---	180C350B015LKA	210C350B015LKA*	
18	Output RPM	150.00	105.00	87.00	70.20	52.20	---	---	180C350T018S1A	210C350T018S1A*	Taper Hollow Str. Hollow K1 L1 LK
	Mechanical Input HP	12.98	11.26	10.33	9.25	8.11	---	---	180C350S018S1A	210C350S018S1A*	
	Output Torque (lb. in.)	5007	6161	6798	7503	8768	---	---	180C350B018K1A	210C350B018K1A*	
	Output HP Rating	11.92	10.26	9.38	8.36	7.26	---	---	180C350B018L1A	210C350B018L1A*	
	Output OHL (lbs.)	4674	4785	4788	4957	4853	---	---	180C350B018LKA	210C350B018LKA*	
20	Output RPM	123.30	86.30	71.51	57.70	42.90	---	---	180C350T020S1A	210C350T020S1A*	Taper Hollow Str. Hollow K1 L1 LK
	Mechanical Input HP	12.98	11.26	10.33	8.83	7.11	---	---	180C350S020S1A	210C350S020S1A*	
	Output Torque (lb. in.)	6092	7496	8271	8714	9343	---	---	180C350B020K1A	210C350B020K1A*	
	Output HP Rating	11.92	10.26	9.38	7.98	6.36	---	---	180C350B020L1A	210C350B020L1A*	
	Output OHL (lbs.)	4742	4800	4717	4919	5195	---	---	180C350B020LKA	210C350B020LKA*	
25	Output RPM	98.68	69.08	57.24	46.18	34.34	---	---	180C350T025S1A	210C350T025S1A*	Taper Hollow Str. Hollow K1 L1 LK
	Mechanical Input HP	12.98	10.13	8.82	7.53	6.06	---	---	180C350S025S1A	210C350S025S1A*	
	Output Torque (lb. in.)	7611	8414	8805	9268	9946	---	---	180C350B025K1A	210C350B025K1A*	
	Output HP Rating	11.92	9.22	8.00	6.79	5.42	---	---	180C350B025L1A	210C350B025L1A*	
	Output OHL (lbs.)	4814	4717	4595	4820	5131	---	---	180C350B025LKA	210C350B025LKA*	
30	Output RPM	82.19	57.53	47.67	38.47	28.60	---	---	180C350T030S1A	210C350T030S1A*	Taper Hollow Str. Hollow K1 L1 LK
	Mechanical Input HP	10.10	8.51	7.71	6.62	5.37	---	---	180C350S030S1A	210C350S030S1A*	
	Output Torque (lb. in.)	7014	8376	9110	9634	10408	---	---	180C350B030K1A	210C350B030K1A*	
	Output HP Rating	9.15	7.65	6.89	5.88	4.72	---	---	180C350B030L1A	210C350B030L1A*	
	Output OHL (lbs.)	4784	4925	4812	5170	5012	---	---	180C350B030LKA	210C350B030LKA*	
38	Output RPM	65.79	46.05	38.16	30.79	22.89	---	---	180C350T038S1A	210C350T038S1A*	Taper Hollow Str. Hollow K1 L1 LK
	Mechanical Input HP	10.10	7.56	6.59	5.65	4.58	---	---	180C350S038S1A	210C350S038S1A*	
	Output Torque (lb. in.)	8763	9281	9712	10251	11061	---	---	180C350B038K1A	210C350B038K1A*	
	Output HP Rating	9.15	6.78	5.88	5.01	4.02	---	---	180C350B038L1A	210C350B038L1A*	
	Output OHL (lbs.)	4695	4823	5183	5079	5505	---	---	180C350B038LKA	210C350B038LKA*	
40	Output RPM	61.64	43.15	35.75	28.85	21.45	056C350T040S1A	140C350T040S1A	180C350T040S1A	--	Taper Hollow Str. Hollow K1 L1 LK
	Mechanical Input HP	8.34	6.94	6.32	5.53	4.56	056C350S040S1A	140C350S040S1A	180C350S040S1A	--	
	Output Torque (lb. in.)	7491	8935	9778	10341	11286	056C350B040K1A	140C350B040K1A	180C350B040K1A	--	
	Output HP Rating	7.33	6.12	5.55	4.73	3.84	056C350B040L1A	140C350B040L1A	180C350B040L1A	--	
	Output OHL (lbs.)	4972	5197	5151	5056	5502	056C350B040LKA	140C350B040LKA	180C350B040LKA	--	
50	Output RPM	49.34	34.54	28.62	23.09	17.17	056C350T050S1A	140C350T050S1A	180C350T050S1A	--	Taper Hollow Str. Hollow K1 L1 LK
	Mechanical Input HP	8.14	6.19	5.40	4.72	3.89	056C350S050S1A	140C350S050S1A	180C350S050S1A	--	
	Output Torque (lb. in.)	9125	9943	10403	10993	12014	056C350B050K1A	140C350B050K1A	180C350B050K1A	--	
	Output HP Rating	7.14	5.45	4.72	4.03	3.27	056C350B050L1A	140C350B050L1A	180C350B050L1A	--	
	Output OHL (lbs.)	4893	5154	5046	5517	5414	056C350B050LKA	140C350B050LKA	180C350B050LKA	--	

* Thermal Limitations may apply. Consult DODGE Application Engineering

NOTE: All units include drilled and tapped mounting holes on the top and bottom surfaces. If optional bolt-on foot is required, order part number 6011277.

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Combination TIGEAR Size C350

RATIO	RATING DATA	INPUT RPM					PART NUMBERS				SHAFT POSITION
		2500	1750	1450	1170	870	56C	140TC	180TC	210TC	
60	Output RPM	41.10	28.77	23.84	19.23	14.30	056C350T060S1A	140C350T060S1A	180C350T060S1A	--	Taper Hollow Str. Hollow K1 L1 LK
	Mechanical Input HP	6.80	5.36	4.75	4.23	3.51	056C350S060S1A	140C350S060S1A	180C350S060S1A	--	
	Output Torque (lb. in.)	8995	9983	10883	11593	12654	056C350B060K1A	140C350B060K1A	180C350B060K1A	--	
	Output HP Rating	5.87	4.56	4.12	3.54	2.87	056C350B060L1A	140C350B060L1A	180C350B060L1A	--	
	Output OHL (lbs.)	5217	5064	5496	5461	5285	056C350B060LKA	140C350B060LKA	180C350B060LKA	--	
75	Output RPM	32.89	23.03	19.08	15.39	11.45	056C350T075S1A	140C350T075S1A	180C350T075S1A	--	Taper Hollow Str. Hollow K1 L1 LK
	Mechanical Input HP	6.08	5.00	4.06	3.62	2.90	056C350S075S1A	140C350S075S1A	180C350S075S1A	--	
	Output Torque (lb. in.)	10027	11619	11590	12357	13057	056C350B075K1A	140C350B075K1A	180C350B075K1A	--	
	Output HP Rating	5.23	4.24	3.51	3.02	2.37	056C350B075L1A	140C350B075L1A	180C350B075L1A	--	
	Output OHL (lbs.)	4875	4875	4875	4875	4875	056C350B075LKA	140C350B075LKA	180C350B075LKA	--	
80	Output RPM	30.82	21.58	17.88	14.42	10.73	056C350T080S1A	140C350T080S1A	180C350T080S1A	--	Taper Hollow Str. Hollow K1 L1 LK
	Mechanical Input HP	5.58	4.63	4.12	3.57	2.85	056C350S080S1A	140C350S080S1A	180C350S080S1A	--	
	Output Torque (lb. in.)	9502	11034	11740	12444	13014	056C350B080K1A	140C350B080K1A	180C350B080K1A	--	
	Output HP Rating	4.65	3.78	3.33	2.85	2.21	056C350B080L1A	140C350B080L1A	180C350B080L1A	--	
	Output OHL (lbs.)	5131	5542	5465	5333	5712	056C350B080LKA	140C350B080LKA	180C350B080LKA	--	
86	Output RPM	30.00	21.00	17.40	14.14	10.44	056C350T086S1A	140C350T086S1A	180C350T086S1A	--	Taper Hollow Str. Hollow K1 L1 LK
	Mechanical Input HP	4.70	4.20	3.55	3.17	2.76	056C350S086S1A	140C350S086S1A	180C350S086S1A	--	
	Output Torque (lb. in.)	7988	9997	10055	10996	12478	056C350B086K1A	140C350B086K1A	180C350B086K1A	--	
	Output HP Rating	3.80	3.33	2.78	2.45	2.07	056C350B086L1A	140C350B086L1A	180C350B086L1A	--	
	Output OHL (lbs.)	5515	5515	5515	5515	5515	056C350B086LKA	140C350B086LKA	180C350B086LKA	--	
100	Output RPM	24.67	17.27	14.31	11.55	8.59	056C350T100S1A	140C350T100S1A	180C350T100S1A	--	Taper Hollow Str. Hollow K1 L1 LK
	Mechanical Input HP	5.02	3.99	3.53	3.01	2.30	056C350S100S1A	140C350S100S1A	180C350S100S1A	--	
	Output Torque (lb. in.)	10640	11838	12518	13053	13069	056C350B100K1A	140C350B100K1A	180C350B100K1A	--	
	Output HP Rating	4.17	3.24	2.84	2.39	1.78	056C350B100L1A	140C350B100L1A	180C350B100L1A	--	
	Output OHL (lbs.)	5003	5462	5343	5149	5577	056C350B100LKA	140C350B100LKA	180C350B100LKA	--	
125	Output RPM	19.74	13.82	11.45	9.24	6.87	056C350T125S1A	140C350T125S1A	180C350T125S1A	--	Taper Hollow Str. Hollow K1 L1 LK
	Mechanical Input HP	4.42	3.51	3.04	2.49	1.91	056C350S125S1A	140C350S125S1A	180C350S125S1A	--	
	Output Torque (lb. in.)	11391	12652	13057	13069	13069	056C350B125K1A	140C350B125K1A	180C350B125K1A	--	
	Output HP Rating	3.57	2.77	2.37	1.92	1.42	056C350B125L1A	140C350B125L1A	180C350B125L1A	--	
	Output OHL (lbs.)	5541	5339	5176	5651	5886	056C350B125LKA	140C350B125LKA	180C350B125LKA	--	
150	Output RPM	16.45	11.51	9.54	7.70	5.72	056C350T150S1A	140C350T150S1A	180C350T150S1A	--	Taper Hollow Str. Hollow K1 L1 LK
	Mechanical Input HP	4.03	3.08	2.62	2.15	1.65	056C350S150S1A	140C350S150S1A	180C350S150S1A	--	
	Output Torque (lb. in.)	12156	12891	13069	13069	13069	056C350B150K1A	140C350B150K1A	180C350B150K1A	--	
	Output HP Rating	3.17	2.35	1.98	1.60	1.19	056C350B150L1A	140C350B150L1A	180C350B150L1A	--	
	Output OHL (lbs.)	5478	5207	5702	5539	5780	056C350B150LKA	140C350B150LKA	180C350B150LKA	--	
160	Output RPM	15.41	10.79	8.94	7.21	5.36	056C350T160S1A	140C350T160S1A	180C350T160S1A	--	Taper Hollow Str. Hollow K1 L1 LK
	Mechanical Input HP	3.20	2.70	2.46	2.20	1.63	056C350S160S1A	140C350S160S1A	180C350S160S1A	--	
	Output Torque (lb. in.)	9561	11116	12025	13069	13069	056C350B160K1A	140C350B160K1A	180C350B160K1A	--	
	Output HP Rating	2.34	1.90	1.71	1.50	1.11	056C350B160L1A	140C350B160L1A	180C350B160L1A	--	
	Output OHL (lbs.)	5495	5829	4942	5590	5777	056C350B160LKA	140C350B160LKA	180C350B160LKA	--	
200	Output RPM	12.34	8.63	7.15	5.77	4.29	056C350T200S1A	140C350T200S1A	180C350T200S1A	--	Taper Hollow Str. Hollow K1 L1 LK
	Mechanical Input HP	3.20	2.55	2.15	1.77	1.31	056C350S200S1A	140C350S200S1A	180C350S200S1A	--	
	Output Torque (lb. in.)	11944	13069	13069	13069	13069	056C350B200K1A	140C350B200K1A	180C350B200K1A	--	
	Output HP Rating	2.34	1.79	1.48	1.20	0.89	056C350B200L1A	140C350B200L1A	180C350B200L1A	--	
	Output OHL (lbs.)	5361	5766	4585	5891	6259	056C350B200LKA	140C350B200LKA	180C350B200LKA	--	
240	Output RPM	10.27	7.19	5.96	4.81	3.58	056C350T240S1A	140C350T240S1A	180C350T240S1A	--	Taper Hollow Str. Hollow K1 L1 LK
	Mechanical Input HP	2.39	1.85	1.73	1.57	1.28	056C350S240S1A	140C350S240S1A	180C350S240S1A	--	
	Output Torque (lb. in.)	9831	10340	11475	12539	13069	056C350B240K1A	140C350B240K1A	180C350B240K1A	--	
	Output HP Rating	1.60	1.18	1.08	0.96	0.74	056C350B240L1A	140C350B240L1A	180C350B240L1A	--	
	Output OHL (lbs.)	5864	5731	5407	5856	6326	056C350B240LKA	140C350B240LKA	180C350B240LKA	--	
300	Output RPM	8.22	5.76	4.77	3.85	2.86	056C350T300S1A	140C350T300S1A	180C350T300S1A	--	Taper Hollow Str. Hollow K1 L1 LK
	Mechanical Input HP	2.39	1.85	1.58	1.32	1.03	056C350S300S1A	140C350S300S1A	180C350S300S1A	--	
	Output Torque (lb. in.)	12282	12918	13069	13069	13069	056C350B300K1A	140C350B300K1A	180C350B300K1A	--	
	Output HP Rating	1.60	1.18	0.99	0.80	0.59	056C350B300L1A	140C350B300L1A	180C350B300L1A	--	
	Output OHL (lbs.)	5760	5976	5104	6341	6167	056C350B300LKA	140C350B300LKA	180C350B300LKA	--	

NOTE: All units include drilled and tapped mounting holes on the top and bottom surfaces. If optional bolt-on foot is required, order part number 6011277.

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