

# SE Encore Series Standard Ratios

**TABLE 1. SE ENCORE STANDARD RATIOS<sup>1</sup>** (Listed within reducer size by single, double, and helical/worm reduction)

Reducer Ratio <sup>1</sup>	Ratings @1.0SF	REDUCER SIZE																				
		E13		E17		E20		E24			E26			E30			E35			E43		
		S	S	D	S	D	S	D	H	S	D	H	S	D	H	S	D	H	S	D	H	
5	In HP	1.39	2.69		3.70		5.89			7.70			10.87			15.82			25.16			
	Out Tq	238	462		639		1017			1334			1886			2738			4382			
7.5	In HP	1.05	2.06		2.84		4.54			5.93			8.59			12.55			19.39			
	Out Tq	266	525		723		1168			1533			2232			3252			5011			
10	In HP	0.86	1.64		2.24		3.67			4.82			7.11			10.27			15.84			
	Out Tq	284	554		769		1249			1650			2448			3515			5400			
15	In HP	0.62	1.15		1.59		2.71			3.42			5.07			7.51			11.63			
	Out Tq	295	568		794		1359			1724			2578			3804			5819			
20	In HP	0.42	0.94		1.24		2.11			2.64			3.95			5.73			9.16			
	Out Tq	257	604		806		1383			1745			2645			3821			6007			
25	In HP	0.41	0.70		1.01		1.61		1.97	2.17		2.61	3.24		3.21	4.71		3.21	7.50		11.01	
	Out Tq	304	547		803		1285		1718	1758		2266	2676		2751	3884		2728	5981		9309	
30	In HP	0.35	0.66		0.86		1.45		1.69	1.80		2.26	2.67		2.66	4.07		2.66	6.40		9.18	
	Out Tq	293	596		788		1360		1763	1712		2343	2586		2713	3943		2702	6013		9063	
40	In HP	0.27	0.52		0.68		1.11		1.39	1.42		2.00	2.08		3.10	3.04		3.21	4.94		8.36	
	Out Tq	276	603		795		1335		1812	1737		2596	2617		3993	3837		4100	6005		10417	
50	In HP	0.17	0.41	0.487	0.56	0.727	0.92	1.148	0.821	1.18	1.491	1.146	1.72	1.873	1.792	2.44	3.109	3.215	3.96	7.019	6.798	
	Out Tq	213	558	781	791	1166	1329	1859	1404	1748	2391	1954	2643	3017	3024	3753	4992	5419	5852	11058	11087	
60	In HP	0.15	0.27		0.41		0.70		0.67	0.92		0.92	1.72		1.48	2.00		2.24	3.23		6.02	
	Out Tq	202	417		656		1134		1358	1556		1860	2033		2962	3573		4494	5566		11444	
75	In HP			0.258		0.364		0.618	0.586		0.831	0.789		1.301	1.244		2.883	2.756		5.176	5.013	
	Out Tq			593		845		1476	1479		1985	1988		3111	3116		6891	6906		11804	11834	
80	In HP		0.16		0.22		0.38			0.49			0.71			1.12			1.91			
	Out Tq		311		437		735			979			1478			2403			4114			
90	In HP								0.49			0.67			1.07			2.37			4.44	
	Out Tq								1466			2006			3179			7088			12205	
100	In HP			0.221		0.304		0.490	0.465		0.617	0.585		0.974	0.931		2.123	2.032		3.979	3.853	
	Out Tq			671		930		1543	1547		1941	1944		3067	3071		6708	6728		11801	11828	
120	In HP								0.365			0.499			0.799			1.514			3.404	
	Out Tq								1445			1975			3128			5952			12152	
150	In HP			0.135		0.199		0.334	0.307		0.464	0.418		0.750	0.663		1.647	1.461		2.990	2.783	
	Out Tq			596		881		1513	1480		2076	2028		3307	3201		7461	7092		13130	12153	
180	In HP								0.261			0.357			0.570			1.177			2.491	
	Out Tq								1503			2063			3263			6787			12528	
200	In HP			0.113		0.155		0.253	0.227		0.346	0.338		0.561	0.529		1.101	1.062		2.127	2.069	
	Out Tq			652		900		1504	1414		2038	2142		3243	3347		6558	6770		12116	11774	
250	In HP								0.194			0.263			0.418			0.670			1.318	
	Out Tq								1485			2035			3241			5196			9071	
300	In HP			0.078		0.116		0.190	0.151		0.266	0.203		0.418	0.323		0.949	0.563		1.149	1.669	
	Out Tq			607		899		1551	1363		2132	1853		3409	2940		7763	5181		9075	13848	
365	In HP								0.120			0.162			0.256			0.404			0.844	
	Out Tq								1256			1715			2721			4339			7718	
500	In HP			0.053		0.074		0.124			0.169			0.261			0.508			1.126		
	Out Tq			650		893		1527			2099			3354			6473			14299		
750	In HP			0.037		0.062		0.090			0.128			0.197			0.410			0.794		
	Out Tq			659		1088		1596			2200			3513			7442			14334		
1000	In HP			0.033		0.047		0.071			0.096			0.148			0.289			0.514		
	Out Tq			655		900		1541			2120			3392			6566			12353		
1500	In HP			0.022		0.037		0.052			0.074			0.113			0.244			0.459		
	Out Tq			664		1097		1611			2223			3555			7558			14638		
2000	In HP			0.020		0.028		0.038			0.054			0.083			0.184			0.320		
	Out Tq			727		1007		1530			2109			3369			7345			13427		
3000	In HP			0.015		0.021		0.028			0.040			0.059			0.118			0.185		
	Out Tq			749		1070		1445			1976			3164			6305			10773		
3600	In HP			0.010		0.016		0.025			0.036			0.049			0.080			0.126		
	Out Tq			581		893		1508			2054			3080			4954			8508		
4000	In HP			0.007		0.009		0.025			0.036			0.054			0.112			0.168		
	Out Tq			422		596		1447			1979			3171			6518			11206		
5000	In HP			0.006		0.008		0.023			0.034			0.050			0.103			0.154		
	Out Tq			423		597		1449			1982			3175			6563			11292		
6000	In HP			0.004		0.006		0.021			0.031			0.042			0.068			0.102		
	Out Tq			303		481		1524			2081			3123			5028			8695		
8000	In HP							0.011			0.017			0.022			0.041			0.061		
	Out Tq							988			1395			2050			3828			6560		
10000	In HP							0.008			0.011			0.015			0.027			0.043		
	Out Tq							818			1145			1696			2948			5534		

	Single Reduction
	Double Reduction
	Helical/Worm Reduction

- Special ratios and gearing are listed in the Modified section on page 133.
- Exact ratios are listed in the Ratings section starting on page 157.
- See page 229 for thermal limits of some ratings during continuous duty operation. All ratings are for 1750 rpm

