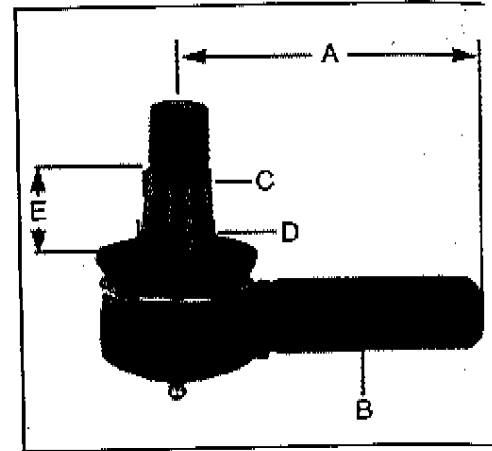


# TIE ROD ENDS & DRAG LINKS

## LISTED BY SIZE

Single end units are measured from center of stud to end of rod.  
Double end units are measured center to center.



Length Dim. "A"	Threads Dim. "B"	Rod Type Male/Female	Config	Stud Diameter			Stud Thread Dim. "F"	Part Number
				Dim. "C"	Dim. "D"	Dim. "E"		
2.36	M14-1.5L	FEMALE	STR	.430			M10-1.00	ES3158RL
2.5	M16-1.5R/L	SLEEVE	STR					ES2251S
2.55	M12-1.25R		STR	.526				ES2759
2.6	M16-1.5RI	FEMALE	CURVE	.507	.590		M12-1.50	ES3146
2.6	M16-1.5LI	FEMALE	CURVE	.507	.590		M12-1.50	ES3147
2.61	M18-1.5RI	FEMALE	STR	.509				ES2216R
2.61	M18-1.5RI	FEMALE	STR	.509				ES2217R
2.62	.50-20RI	FEMALE	BENT	.445				ES2043R
2.62	M12-1.25I	FEMALE	BENT	.452			M10-1.25	ES3076RL
2.62	.500-20RI	FEMALE	BENT	.445				ES417R
2.657	M14-2.0RI	FEMALE	STR	.493			M10-1.00	ES3152RL
2.815	M14-2.0	FEMALE	STR	.567	.567	1.22	M12-1.75	ES2132RL
2.85	M12-1.25R		STR	.5079				ES2095R
2.87	M12-1.2RI	FEMALE	STR	.468				ES2926
2.874	M14-1.5RI	FEMALE	BENT	.511				ES2736
2.874	M10-1.25	FEMALE	STR	.525			M10-1.25	ES2906
2.89	M14-1.5RI	FEMALE	STR	.531	.550	0.152	M12-1.25	ES2144R
2.895	M14-2.0RI	FEMALE	BENT	.502				ES2161R
2.91	M14-1.5LI	FEMALE	STR	.480				ES2316
2.91	M14-1.5RI	FEMALE	STR	.425				ES2748
2.91	M16-1.5RI	FEMALE	BENT	.495				ES2752
2.91	M16-1.5RI	FEMALE	BENT	.496				ES2753
2.91	M14-1.5R	FEMALE	BENT	.499				ES3014R
2.91	M14-1.5R	FEMALE	BENT	.499				ES3015R
2.912	M14-1.5RI	FEMALE	STR				M10-1.00	ES2158R
2.913	M14-2.0RI	FEMALE	BENT	.493			M10-1.00	ES3150
2.913	M14-2.0RI	FEMALE	BENT	.492			M10-1.00	ES3151
2.92	M14-2.0RI	FEMALE	STR	.485				ES2751
2.94	M14-1.5RI	FEMALE	STR	.498	.559	0.512	M12-1.25	ES2059R
2.95	M14-1.5L		STR	.4724				ES469L
2.95	M14-1.0L		STR	.4724				ES472R
2.952	M14-1.5RI	FEMALE	STR	.629			M14-1.50	ES2953
2.952	M14-1.5LI	FEMALE	STR	.629			M14-1.50	ES2954
2.96	M12-1.2RI	FEMALE	STR	.522				ES2937
2.985	M16-1.5R		STR	.495				ES2156R
3.07	M14-1.5RI	FEMALE	STR	.4468				ES484R
3.07	M14-1.5LI	FEMALE	STR	.4468				ES488L
3.12	.9375-20R	FEMALE	STR	.896	1.030	1.072	3/4-16	ES2030R
3.12	.75-16L		STR	.544				ES258L

# TIE ROD ENDS & DRAG LINKS — LISTED BY SIZE

Length Dim. "A"	Threads Dim. "B"	Rod Type Male/Female	Config	Stud Diameter			Stud Thread Dim. "F"	Part Number
				Dim. "C"	Dim. "D"	Dim. "E"		
3.12	.75-16R		STR	.544				ES258R
3.12	.687-18L		STR	.544				ES342L
3.14	M14-1.5L		STR	.495				ES2764L
3.149	M14-1.5	MALE	STR	.496			M10-1.00	ES3143R
3.15	M12-1.125		STR	.492				ES2270R
3.15	M14-1.5RI	FEMALE	STR	.5236	.605	0.688	M12-1.25	ES2467R
3.15	M14-1.5LI	FEMALE	STR	.5236	.605	0.688	M12-1.25	ES2468L
3.15	M14-1.5R		STR	.497				ES2763R
3.16	M18-1.5E	SLEEVE						ES3088S
3.18	.75-16R	MALE	STR	.543	.626	0.664	1/2-20	ES2847R
3.18	.75-16L	MALE	STR	.543	.626	0.664	1/2-20	ES2848L
3.18	M12-1.25I	FEMALE	STR	.547	.59		M10-1.25	ES2942RI
3.18	M14-1.5I	FEMALE	STR	.551	.59	1.17	M10-1.25	ES2945
3.188	M14-1.5I	FEMALE	STR	.521			M12-1.25	ES2831
3.188	M14-1.5I	FEMALE	STR	.521			M12-1.25	ES2832
3.22	.687-18R	MALE	STR	.543	.626	0.608	1/2-20	ES140R
3.22	.687-18R		STR	.543				ES145RI
3.22	.562-18L		STR	.516				ES234RI
3.22	.687-18L	MALE	STR	.543	.627	0.672	7/16-20	ES288L
3.22	.687-18R	MALE	STR	.543	.627	0.672	7/16-20	ES288R
3.22	.687-18L	MALE	STR	.568	.623	0.44	1/2-20	ES416L
3.22	.687-18R	MALE	STR	.568	.623	0.44	1/2-20	ES416R
3.22	.687-18L	MALE	STR	.543	.626	0.608	1/2-20	ES62L
3.28	M12-1.25R	FEMALE	BENT	.475				ES2153RI
3.28	M16-1.5L	MALE	BENT	.474			M12-1.25	ES3156RI
3.28	.750-12R	MALE	STR	.543	.626	0.664	1/2-20	ES393R
3.28	.750-18R	MALE	STR	.543	.626	0.664	1/2-20	ES394R
3.29	M14-1.5RI	FEMALE	STR	.485				ES2048RI
3.29	M14-1.5RI	FEMALE	STR	.486				ES2255RI
3.3	M14-1.5RI	FEMALE	STR	.547			M12-1.25	ES2268R
3.3	M14-1.5RI	FEMALE	STR	.492				ES2382
3.309	M14-1.5RI	FEMALE	STR	.522				ES483R
3.31	M14-1.5L	MALE	STR	.505	.555	0.3928	M12-1.25	ES476L
3.316	M16-1.5R/L	SLEEVE	STR					ES3065S
3.316	M14-1.5LI	FEMALE	STR	.517				ES487L
3.34	M21-1.5L	MALE	STR	.577				ES2718
3.346	M12-1.25R		BENT	.537				ES2130R
3.35	M14-1.5R	FEMALE	BENT	.537	.594	0.456	M12-1.25	ES236I
3.35	M12-1.5R	MALE RH	STR	.425	.472		M10-1.00	ES3017R
3.35	M12-1.5R	MALE RH	STR	.425	.472		M10-1.00	ES3018R
3.35	M12-1.5L	MALE LH	STR	.425	.472		M10-1.00	ES3021L
3.38	.125-18L	MALE	STR	.675	.776	0.808	5/8-18	ES2010L
3.38	.875-18R	MALE	STR	.675	.776	0.808	5/8-18	ES2010R
3.38	.875-18L		STR	.675				ES435L
3.38	.875-18L	MALE	STR	.675	.765	0.72	9/16-18	ES452L
3.38	.875-18L	MALE	STR	.675	.765	0.72	9/16-18	ES453L
3.4	M14-1.5I	FEMALE	STR	.505	.550		M12-1.25	ES2986
3.4	.562-18RI	FEMALE	STR	.554				ES429RI
3.4	.562-18RI	FEMALE	STR	.556				ES455RI
3.41	.687-18L	MALE	STR	.644	.734	0.72	9/16-18	ES158L
3.41	.687-18R	MALE	STR	.644	.734	0.72	9/16-18	ES158R
3.41	.687-18L	MALE	STR	.612	.705	0.744	9/16-18	ES262L
3.41	.687-18R	MALE	STR	.612	.705	0.744	9/16-18	ES262R
3.5	M14-1.5L		STR	.496			M10x1.5	ES2084L

# TIE ROD ENDS & DRAG LINKS — LISTED BY SIZE

Length Dim. "A"	Threads Dim. "B"	Rod Type Male/Female	Config	Stud Diameter			Stud Thread Dim. "F"	Part Number
				Dim. "C"	Dim. "D"	Dim. "E"		
3.5	M14-1.5R		STR	.496				ES2096F
3.5	.625-18L		STR	.666				ES297L
3.5	.625-18L		STR	.666				ES297R
3.5	.625-18L	MALE	STR	.666	.750	0.672	5/8-18	ES297RI
3.5	M14-1.5I	FEMALE	STR	.575	.630		M14-1.50	ES2987
3.5	.625-18L	MALE	STR	.516	.613	0.776	7/16-20	ES312RI
3.5	.75-16RI	FEMALE	STR	.612	.705	0.744	9/16-18	ES450R
3.5	M14-1.5L		STR	.5079				ES464L
3.5	M14-1.5R		STR	.5079				ES465R
3.52	.687-18R		BENT	.516				ES2003F
3.53	.750-16L	MALE	STR	.612	.705	0.744	9/16-18	ES150L
3.53	.750-16R	MALE	STR	.612	.705	0.744	9/16-18	ES150R
3.53	.812-18L	MALE	STR	.612	.705	0.744	9/16-18	ES26L
3.53	.812-18R	MALE	STR	.612	.705	0.744	9/16-18	ES26R
3.54	M16-1.5R	MALE	STR	.496				DS1137
3.54	M12-1.25R		STR	.468				ES2230F
3.54	M16-1.5L	MALE	STR	.531	.610	0.632	M12-1.25	ES2246L
3.54	M14-1.25R		STR	.4921				ES474R
3.54	M14-1.5L		STR	.436				ES494L
3.54	M14-1.5R		STR	.436				ES495R
3.54	M14-1.5R	MALE	STR	.567			M12-1.50	ES2783
3.54	M14-1.5R	MALE	STR	.472			M10-1.25	ES2878
3.543	M16-1.5L	MALE	STR	.494	.551		M10-1.00	ES2186L
3.543	M16-1.5I	SLEEVE						ES2900S
3.55	M14-1.5RI	FEMALE	STR	.4860				ES2500F
3.611	2/14-1.5		BENT	2/588				DS862
3.62	M14-1.5R	FEMALE	STR	.504			M12-1.25	ES3168
3.622	M12-1.25R		STR	.531				ES2333
3.65	M16-1.5L	MALE	STR	.498	.559	0.488	M12-1.25	ES2073I
3.65	M16-1.5R	MALE	STR	.498	.559	0.488	M12-1.25	ES2074F
3.65	M17-1.5L	MALE		.577	.641	0.512	M14-2.00	ES2376
3.65	M17-1.5L		BENT	.502				ES493L
3.659	M14-1.5RI	FEMALE	BENT	.538				ES2281F
3.66	M12-1.25R		STR	.498				ES2353
3.66	M12-1.25L		STR	.498				ES2354
3.66	M14-1.5R		BENT	.419				ES2793
3.66	M12-1.2RI	FEMALE	BENT	.500				ES2820
3.66	M12-1.25R	FEMALE	STR	.500			M12-1.25	ES3166
3.66	M14-1.5L	MALE	STR	.419	.481	0.496	M10-1.00	ES418L
3.66	M14-1.5R		STR	.419				ES418R
3.66	M14-1.5L	MALE	STR	.496	.551	0.44	M12-1.50	ES419L
3.66	M14-1.5R	MALE	STR	.496	.551	0.44	M12-1.50	ES419R
3.66	M14-1.5R		BENT	.496				ES420R
3.66	M14-1.5R		STR	.419				ES421R
3.66	M14-1.5R		BENT	.496				ES422R
3.7	M14-1.5LI	FEMALE	BENT	.498				ES2133L
3.7	1.250-16R (EXT.)	MALE	STR					ES2841S
3.7	1.000-16L (INT.)	FEMALE	STR					ES2841S
3.701	M14-1.5LI	FEMALE	BENT	.498				ES2355
3.74	M16-1.5I	SLEEVE						ES2757S
3.75	1.000-16L		STR	.783				ES142L
3.75	1.000-16R		STR	.783				ES142R
3.75	1.000-16L	MALE	STR	.783	.874	0.896	5/8-18	ES176L
3.75	1.000-16R	MALE	STR	.783	.874	0.896	5/8-18	ES176R

# TIE ROD ENDS & DRAG LINKS — LISTED BY SIZE

Length Dim. "A"	Threads Dim. "B"	Rod Type Male/Female	Config	Stud Diameter			Stud Thread Dim. "F"	Part Number
				Dim. "C"	Dim. "D"	Dim. "E"		
3.75	.875-18L	MALE	STR	.678	.781	0.824	5/8-18	ES194L
3.75	.875-18R	MALE	STR	.678	.781	0.824	5/8-18	ES194R
3.75	1.000-16L	MALE	STR	.664	.781	0.936	5/8-16	ES235L
3.75	1.000-16R	MALE	STR	.664	.781	0.936	5/8-16	ES235R
3.78	M14-1.5L		BENT	.5059				ES481L
3.8	M14-1.5R	FEMALE	STR	.480				ES2111RL
3.8	M14-1.5R	FEMALE	STR	.485				ES2232RL
3.81	.791-16LI	FEMALE	STR	.523	.543	0.16	1/2-20	ES29L
3.81	.791-16RI	FEMALE	STR	.523	.543	0.16	1/2-20	ES29R
3.858	M18-1.5L		STR	.537				ES2119L
3.858	M12-1.25L		STR	.433				ES2535L
3.86	M12-1.5L		STR	.4331				ES2534L
3.86	M14-1.5R	FEMALE	STR	.486			M12-1.25	ES3238RL
3.88	.5625-18L		STR	.517				ES173L
3.88	.687-18L	MALE	BENT	.543	.626	0.664	1/2-20	ES354L
3.9	.687-12R	MALE	STR	.612	.703	0.728	9/16-18	ES2052R
3.9	.687-18R	MALE	STR	.612	.703	0.728	9/16-18	ES2053R
3.9	.687-18L	MALE	STR	.612	.703	0.728	9/16-18	ES2097L
3.9	1.000-16L	MALE	STR	.780	.905	1.0	3/4-16	ES304L
3.9	1.000-16R	MALE	STR	.780	.905	1.0	3/4-16	ES304R
3.9	.687-18L	MALE	STR	.612	.703	0.728	9/16-18	ES392L
3.9	.687-18R	MALE	STR	.612	.703	0.728	9/16-18	ES392R
3.9	.687-12R		STR	.612				ES447R
3.93	M18-1.5L	SLEEVE						ES2050S
3.93	M14-1.5R	FEMALE	STR	.5350				ES2908RL
3.93	M14-1.5R	FEMALE	STR	.4880				ES2912RL
3.937	M12-1.5	MALE	STR		.629		M10-1.25	ES2287RL
3.94	M12-1.25L	FEMALE	STR	.512	.610		M12-1.25	ES2814RL
3.94	M12-1.25L	FEMALE	STR	.515	.612	1.37	M12-1.25	ES297L
3.94	.500-20R		BENT	.448				ES317L
3.95	.875-18L	MALE	BENT	.594	.703	0.872	9/16-18	ES437L
3.99	.75-18L		BENT	.544				ES292RL
4.0	.687-18R	MALE	STR	.536	.623	0.696	1/2-20	ES2022RL
4.0	.687-18L		BENT	.568				ES285RL
4.0	M18-1.5L		BENT	.520				ES3052
4.0	.687-18R		STR	.556				ES314RL
4.0	.625-18L	MALE	STR	.516	.613	0.776	7/16-20	ES323L
4.0	.625-18R	MALE	STR	.516	.613	0.776	7/16-20	ES323R
4.0	.687-18L	MALE	STR	.568	.626	0.464	1/2-20	ES344L
4.0	.687-18R	MALE	STR	.568	.623	0.44	1/2-20	ES344R
4.0	.625-18L		STR	.568				ES351RL
4.0	.687-18R	MALE	BENT	.558	.626	0.544	1/2-20	ES352R
4.0	.687-18R	MALE	STR	.543	.626	0.664	1/2-20	ES354R
4.0	.687-18L	MALE	BENT	.558	.626	0.544	1/2-20	ES355RL
4.0	.687-18R		BENT	.556				ES356RL
4.0	.625-18L		STR	.489				ES368RL
4.0	.687-18L		STR	.556				ES369RL
4.0	.625-18L		STR	.554				ES379RL
4.0	.75-18R		STR	.558				ES383R
4.0	.687-18R		BENT	.499				ES396RL
4.0	.687-18L		BENT	.554				ES426RL
4.0	.687-18L		BENT	.554				ES435RL
4.0	.875-18L	MALE	STR	.612	.703	0.728	9/16-18	ES454L
4.02	.562-18L	MALE	BENT	.558	.626	0.56	1/2-20	ES401L

SPECIFICATIONS

# TIE ROD ENDS & DRAG LINKS — LISTED BY SIZE

Length Dim. "A"	Threads Dim. "B"	Rod Type Male/Female	Config	Stud Diameter			Stud Thread Dim. "F"	Part Number
				Dim. "C"	Dim. "D"	Dim. "E"		
4.02	.562-18R	MALE	BENT	.558	.626	0.56	1/2-20	ES401R
4.06	M18-1.5L	MALE	BENT	.519	.622	0.824	M12-1.25	ES2472L
4.06	.562-18L		BENT	.558				ES319L
4.06	.562-18R		BENT	.558				ES319R
4.08	.500-20L		BENT	.448				ES317R
4.09	M14-1.52L		BENT	.486				ES2194R
4.094	M14-1.5R		BENT	.486				ES2494R
4.1	M14-1.5R	MALE	STR					EV153
4.12	1.000-18R	MALE	STR	.675	.776	0.808	5/8-18	ES2011R
4.12	.687-18L		BENT	.568				ES286RL
4.17	M14-1.5L	SLEEVE						ES2042S
4.17	M14-1.5RI	FEMALE	STR	.535				ES2231RL
4.198	M16-1.5L	MALE	STR	.520	.600	0.64	M12-1.25	ES2342A
4.2	M16-1.5L		STR	.581				ES2057RL
4.21	M14-1.5LI	FEMALE	STR	0.521			M12-1.25	ES2829
4.21	.75-18L		BENT	.544				ES293RL
4.212	M14-1.5I	FEMALE	STR	.521			M12-1.25	ES2830
4.243	M16-1.5L		BENT	.521				ES2342A1
4.25	M14-1.5R		BENT	.447				ES485L
4.25	M14-1.5LI	FEMALE	BENT	.447				ES498R
4.26	.687-18I	SLEEVE						ES426S
4.26	.625-18I	SLEEVE						ES645S
4.28	.687-18R	MALE	BENT	.621	.703	0.656	9/16-18	ES2075R
4.28	.687-18L	MALE	BENT	.621	.703	0.656	9/16-18	ES2076L
4.3	M14-1.5RI	FEMALE	STR	.5250				ES2513RI
4.31	M14-1.5R		STR	.424				ES2734
4.32	.625-18L		BENT	.5065				ES305RL
4.33	M20-1.5L	MALE	STR	.554	.623	0.552	1/2-20	ES2222L
4.33	M22-1.5L	MALE	STR	.554	.623	0.552	1/2-20	ES2322L
4.37	M14-1.5R	MALE	STR	.539			M12-1.75	ES2247RL
4.38	.750-16R	MALE	BENT	.664	.776	0.896	5/8-18	ES375L
4.38	.750-16L	MALE	BENT	.664	.776	0.896	5/8-18	ES375R
4.38	.875-18L	MALE	BENT	.675	.776	0.896	5/8-18	ES449L
4.41	.687-18L	MALE	STR	.543	.626	0.664	1/2-20	ES2221L
4.41	.687-18R	MALE	STR	.543	.626	0.664	1/2-20	ES2223R
4.41	.687-18L		STR	.554				ES397RL
4.41	M12-1.25E	MALE						EV212
4.44	.875-18R	MALE	STR	.664	.773	0.872	5/8-18	ES2082R
4.44	.875-18L	MALE	STR	.664	.773	0.872	5/8-18	ES2083L
4.44	M14-1.5	SLEEVE						ES2154S
4.45	M22-1.5R	MALE	STR	.613	.703	0.72	M14-1.50	ES2615R
4.45	1.000-16L	MALE	STR	.78	.773		3/4-16	ES373L
4.45	1.000-16R	MALE	STR	.78	.899	0.928	3/4-16	ES373R
4.47	.687-18R		BENT	.558				ES320RL
4.47	.687-18R		BENT	.448				ES336R
4.47	.687-18R		BENT	.506				ES360RL
4.47	.687-18R		BENT	.534				ES387R
4.47	.687-18R		BENT	.554				ES445RL
4.5	M14-1.5RI	FEMALE	STR	.509	.593	0.672	M12-1.25	ES2054RI
4.5	M14-1.5RI	FEMALE	BENT					ES2188R
4.5	M14-1.5RI	FEMALE	STR	.486				ES2261RL
4.5	M14-1.5RI	FEMALE	STR	.536	.626	0.72	1/2-20	ES2850RL
4.5	M14-1.5RI	FEMALE	STR	.509	.593	0.672	M12-1.25	ES3008RL
4.5	.75-18I	SLEEVE						ES638S

# TIE ROD ENDS & DRAG LINKS — LISTED BY SIZE

Length Dim. "A"	Threads Dim. "B"	Rod Type Male/Female	Config	Stud Diameter			Stud Thread Dim. "F"	Part Number
				Dim. "C"	Dim. "D"	Dim. "E"		
4.53	.687-18L	MALE	STR	.509	.593	0.672	M12-1.25	ES2072RL
4.56	M15-1.5I	SLEEVE						ES459S
4.58	M14-1.5RI	FEMALE	DCNT	.475				ES2152R
4.618	M14-1.5R	MALE	STR				M12-1.25	EV283
4.62	.75-18L		BENT	.450				ES336L
4.62	.625-18R		STR	.516				ES348R
4.628	.687-18R		BENT	.568				ES328R
4.64	.687-18L		BENT	.668				ES347RL
4.68	.625-18L		STR	.516				ES348L
4.72	.687-18I	SLEEVE						ES2004S
4.72	M17-1.5I	SLEEVE						ES2369S
4.72	M14-1.5RI	FEMALE	BENT	.5236				ES2903R
4.732	M14-1.5LI	FEMALE	BENT	.525				ES486L
4.75	1.000-18L	MALE	STR	.662	.776	0.912	9/16-18	ES2064L
4.77	.687-18R		BENT	.568				ES328L
4.796	M14-1.5RI	FEMALE	BENT	.518				ES489R
4.8	1.000-18R	MALE	STR	.594	.703	0.872	9/16-18	ES448R
4.81	.875-18R	MALE	STR	.675	.776	0.808	5/8-18	ES2234R
4.88	1.125-12L	MALE	STR	.967	1.102	1.08	7/8-14	ES187L
4.88	1.125-12R	MALE	STR	.967	1.102	1.08	7/8-14	ES187R
4.88	.875-18L	MALE	BENT	.612	.703	0.728	9/16-18	ES2065L
4.88	1.125-12R	MALE	STR	.896	1.030	1.072	3/4-16	ES2069R
4.88	1.125-12L	MALE	STR	.896	1.030	1.072	3/4-16	ES2070L
4.88	1.125-16R		STR	.967				ES2118L
4.88	.687-18R		STR	.543				ES361R
4.88	1.125-12L	MALE	STR	.896	1.030	1.072	3/4-16	ES405L
4.88	1.125-12R	MALE	STR	.896	1.030	1.072	3/4-16	ES405R
4.89	M14-1.5I	FEMALE	STR	.507	.606	1.25	M12-1.25	ES2972
4.92	M14-1.5L		STR	.4252				ES2902L
4.92	M14-1.5I	FEMALE	STR	.512			M12-1.75	ES3121RL
4.92	1.000-18R		STR	.675				ES377R
4.92	.875-18R	MALE	STR	.615				ES398R
4.928	M14-1.5R	MALE	STR					EV164
4.93	M22-1.5L	MALE	STR	.554	.623		1/2-20	ES2322L
4.95	1.000-16L	MALE	STR	.783	.905	0.976	3/4-16	ES2061L
4.95	1.000-16L		STR	.783				ES2062L
4.95	1.000-16R	MALE	STR	.7830	.899	0.976	3/4-16	ES2062R
4.98	.875-18R	MALE	BENT	.664	.776	0.896	5/8-18	ES2147RL
4.98	.875-18R	MALE	BENT	.664	.776	0.896	5/8-18	ES499RL
5.0	.875-18L	MALE	STR	.662	.776	0.912	9/16-18	ES2063L
5.0	M17-1.5R	MALE	BENT	.5768				ES2093R
5.0	.562-18RI	FEMALE	STR	.556				ES2125RL
5.0	.562-18RI	FEMALE	STR	.556				ES2128RL
5.0	.687-18R		BENT	.556				ES384RL
5.05	.750-18R	MALE	BENT	.633	.703	0.56	9/16-18	ES408RL
5.064	M14-1.5L		BENT	.495				ES2157L
5.1	.875-18R	MALE	BENT	.612	.703	0.728	9/16-18	ES413R
5.1	.875-18R	MALE	BENT	.612	.703	0.728	9/16-18	ES414R
5.11	M16-1.5L	MALE	BENT	.521				ES3051L
5.12	M14-1.5RI	FEMALE	STR	.4860				ES2907RL
5.15	M14-1.5RI	FEMALE	BENT	.482				ES2911
5.16	.687-18R	MALE	STR	.621	.703	0.656	9/16-18	ES2120R
5.16	.687-18L	MALE	STR	.621	.703	0.656	9/16-18	ES2121L
5.2	M14-1.5RI	FEMALE	BENT	.482				ES2910

SPECIFICATIONS

# THE ROD ENDS & DRAG LINKS — LISTED BY SIZE

Length Dim. "A"	Threads Dim. "B"	Rod Type Male/Female	Config	Stud Diameter			Stud Thread Dim. "F"	Part Number
				Dim. "C"	Dim. "D"	Dim. "E"		
5.2	1.000-18R	MALE	STR	.613	.703	0.728	9/16-18	ES391R
5.2	M14-1.5R		BENT	.5059				ES479R
5.21	.687-18L		STR	.507				ES359L
5.31	M16-1.5R	MALE	STR	.531	.600	0.552	M12-1.25	ES2140L
5.31	M16-1.5L	MALE	STR	.531	.600	0.552	M12-1.25	ES2141L
5.31	M14-1.5L	MALE	STR	.496	.566		M10-1.50	ES3145L
5.318	M16-1.5R		BENT	.519				ES3002R
5.36	1.00-18R	MALE	STR	.613	.703	0.72	M14-1.50	ES2392L
5.36	1.00-18R	MALE	STR	.594	.703	0.872	M14-1.50	ES2396R
5.36	1.000-18R	MALE	STR	.613	.703	0.72	M14-1.50	ES2914R
5.37	M22-1.5R	MALE	STR	.594	.703	0.872	M14-1.50	ES2077R
5.37	M20-1.5L	MALE	STR	.594	.703	0.872	M14-1.50	ES2078L
5.37	M22-1.5R	MALE	STR	.594	.708	0.912	M14-1.50	ES2212R
5.37	M22-1.5L	MALE	STR	.594			M14-1.50	ES3203L
5.37	M20-1.5L	MALE	STR	.594	.703	0.872	M14-1.50	ES2213L
5.37	M22-1.5R	MALE	STR	.594	.703	0.872	M14-1.50	ES2214R
5.37	M20-1.5L	MALE	STR	.594	.703	0.872	M14-1.50	ES2215L
5.37	M14-1.5RI	FEMALE	STR	.594	.703		M14-1.50	ES2262RL
5.37	.875-18R	MALE	STR	.594	.703	0.872	M14-1.50	ES2913RL
5.37	1.000-18		STR	.6130	.723		M14-1.50	ES3009R
5.4	M15-1.5	FEMALE	STR				9/16-18	ES3011RL
5.41	.687-18R		BENT	.556				ES349RL
5.414	M14-1.0R	MALE	STR				M14-1.50	EV172
5.43	M17-1.5I	SLEEVE						ES2094S
5.44	1.125-14R		STR	.973				ES2613L
5.44	1.125-12R		STR	.973				ES2614R
5.44	1.125-12L	MALE	STR	.967	1.107	1.12	7/8-14	ES423L
5.44	1.125-12R	MALE	STR	.967	1.107	1.12	7/8-14	ES423R
5.44	M14-1.5R	FEMALE	STR	.553			M12-1.25	ES3184RL
5.47	M22-1.5R	MALE	BENT	.615	.733	0.944	M14-1.50	ES2126R
5.47	M22-1.5L	MALE	BENT	.615	.733	0.944	M14-1.50	ES2127L
5.47	M22-1.5R	MALE	BENT	.594	.703	0.872	M14-1.50	ES2727R
5.47	M22-1.5L	MALE	BENT	.594	.703	0.872	M14-1.50	ES2728L
5.5	M14-1.5I	FEMALE	BENT	.510	.605		M12-1.25	ES2974
5.5	M14-1.5I	FEMALE	BENT	.510	.605		M12-1.25	ES2975
5.5	1.25-12LI	FEMALE	STR	.967				ES325L
5.5	1.25-12RI	FEMALE	STR	.967				ES325R
5.5	1.000-18R		BENT	.609				ES367R
5.5	M14-1.5R	MALE	STR				M14-1.50	EV168
5.51	M14-1.5L		STR	.4252				ES421L
5.51	M14-1.5L		STR	.496				ES422L
5.536	M14-1.5L	MALE	BENT	.472	.550		M10-1.25	ES3005RL
5.56	.875-18L	MALE	STR	.612	.703	0.728	9/16-18	ES380L
5.56	.875-18R	MALE	STR	.612	.703	0.728	9/16-18	ES380R
5.669	M14-1.5I	FEMALE	STR	.574	.629		M14-1.50	ES2989
5.7	.687-18R		BENT	.556				ES2044RL
5.709	M14-1.5L		STR	.506				ES2008L
5.71	M14-1.5R		BENT	.5059				ES460R
5.75	1.25-12R	MALE	STR	1.080	1.250	1.36	7/8-14	ES2040R
5.75	1.25-12L		STR	1.080				ES2041L
5.75	1.25-12R	MALE	STR	1.080	1.250	1.36	7/8-14	ES2113R
5.75	1.25-12R	MALE	STR	1.080	1.250	1.36	7/8-14	ES2114R
5.75	1.25-12R	MALE	STR	1.080	1.250	1.36	7/8-14	ES2115R
5.75	1.25-12L	MALE	STR	1.080	1.250	1.36	7/8-14	ES2116L

# TIE ROD ENDS & DRAG LINKS — LISTED BY SIZE

SPECIFICATIONS

Length Dim. "A"	Threads Dim. "B"	Rod Type Male/Female	Config	Stud Diameter			Stud Thread Dim. "F"	Part Number
				Dim. "C"	Dim. "D"	Dim. "E"		
5.75	1.25-16R		STR	1.080				ES2207R
5.75	1.25-16L		STR	1.080				ES2208R
5.75	1.25-12L	MALE	STR	1.117				ES2724L
5.75	.8125-16L		STR	.575				ES331L
5.75	.8125-16R		STR	.575				ES331R
5.75	1.25-12R		STR	1.080				ES346L
5.75	1.25-12L		STR	1.080				ES346R
5.75	1.25-12L		STR	1.080				ES376L
5.75	1.25-12R		STR	1.080				ES376R
5.75	1.250-18R	MALE	STR			1.36	7/8-14	ES3032R
5.75	.625-18R		STR	.516				ES381RL
5.75	.687-18R		STR	.452				ES404RL
5.75	.625-18R		STR	.452				ES425RL
5.75	1.25-12R	MALE	STR	1.08	1.250	1.36	7/8-14	ES431L
5.75	1.25-12L	MALE	STR	1.08	1.250	1.36	7/8-14	ES431R
5.75	1.125-12L	MALE	STR	1.117				ES434L
5.787	M14-1.5RI	FEMALE	BENT	.492				ES2397
5.85	.562-18RI	FEMALE	STR	.556				ES2150RL
5.86	1.000-16L	MALE	STR	.783	.905	0.976	3/4-16	ES2035L
5.86	1.000-16R	MALE	STR	.783	.905	0.976	3/4-16	ES2036R
5.86	1.000-16L	MALE	STR	.780	.876	0.768	5/8-18	ES330L
5.86	1.000-16R	MALE	STR	.780	.876	0.784	5/8-18	ES330R
5.88	1.000-18R	MALE	BENT	.675	.771	0.768	5/8-18	ES2006R
5.88	1.000-18R	MALE	BENT	.594			M14-1.50	ES3202R
5.88	1.000-18L	MALE	STR	.675	.771	0.768	5/8-18	ES2007L
5.88	1.000-18L		BENT	.675				ES2007R
5.89	.562-18RI	FEMALE	STR	.554				ES2772RL
5.905	M14-1.5R		BENT	.486				ES2195R
5.91	M14-1.5R		BENT	.5059				ES2046R
5.91	M14-1.5R	MALE	BENT	.486	.535	0.392	M10-1.00	ES2197R
5.94	M17-1.5L	MALE	BENT	.5768	.641	0.512	M14-1.50	ES2092R
5.94	M17-1.5L	MALE	BENT	.5768	.641	0.512	M14-1.50	ES2309
5.96	.562-18RI	FEMALE	STR	.556				ES3163RL
5.98	M14-1.5I	SLEEVE						ES461S
6.0	.625-15I	SLEEVE						ES350S
6.06	M14-1.5RI	FEMALE	BENT	.537				ES2332
6.06	M14-1.5R	MALE	STR				M16-1.00	EV162
6.1	.875-18R	MALE	BENT	.612	.702	0.72	9/16-18	ES362R
6.11	.625-18L		BENT	.489				ES2106RL
6.11	.625-18R		BENT	.489				ES2107RL
6.16	M18-1.5R	MALE	BENT	.530	.606	0.608	M12-1.25	ES2713
6.21	M14-1.5R	FEMALE	BENT	.540	.594	0.432	M12-1.25	ES2362
6.22	M14-1.5I	FEMALE	STR	.542	.629		M12-1.25	ES2992RL
6.23	M16-1.5R		BENT	.521				ES2342A3
6.23	M16-1.5L		BENT	.521				ES2342A4
6.25	.687-18L	MALE	IHOLE	.544	.626	0.608	1/2-20	ES140L
6.29	M14-1.5RI	FEMALE	BENT	.498				ES2192R
6.3	M16-1.5L	MALE	BENT	.521	.600	0.632	M12-1.25	ES2343A
6.3	M16-1.5L	MALE	STR	.525			M12-1.25	ES3116
6.3	M16-1.5R	MALE	STR	.525			M12-1.25	ES3117
6.34	.875-18L	MALE	STR	.715	.795	0.64	5/8-18	ES2027L
6.34	M14-1.5R	MALE	STR				M14-1.50	EV165
6.355	M16-1.5L		BENT	.519				ES2342A2
6.377	1.00-18R	MALE RH	BENT	.594			M14-1.50	ES3084R

# THE ROD ENDS & DRAG LINKS — LISTED BY SIZE

Length Dim. "A"	Threads Dim. "B"	Rod Type Male/Female	Config	Stud Diameter			Stud Thread Dim. "F"	Part Number
				Dim. "C"	Dim. "D"	Dim. "E"		
6.41	.687-18R	MALE	BENT	.499	.626	0.544	1/2-20	ES415RL
6.42	M14-1.5R		BENT	.5059				ES477R
6.456	M22-1.5L	MALE LH	BENT	.594			M14-1.50	ES3085L
6.457	M14-1.5I	SLEEVE						ES2901S
6.5	1.125-16L	MALE	STR	.893				ES332L
6.5	1.125-16R	MALE	STR	.893				ES332R
6.514	M12-1.25I	SLEEVE	BENT	.433				ES2567S
6.53	M16-1.5R		STR	.581				ES2056RL
6.535	M14-1.5E	SLEEVE						ES458S
6.54	M17-1.5R		BENT	.502				ES482R
6.61	M12-1.5R		BENT	.433				ES2567R
6.61	M12-1.5R		BENT	.4331				ES2584R
6.61	M12-1.25I	FEMALE	BENT	.433				ES2867S
6.63	M14-1.5E	SLEEVE						ES3090S
6.66	.625-18R	MALE	STR	.516	.623	0.856	7/16-20	ES438RL
6.66	.625-18R	MALE	STR	.516	.626	0.864	7/16-20	ES678
6.68	1.125-12L		STR	.967				ES410L
6.68	1.125-12R		STR	.967				ES410R
6.69	M17-1.5I	SLEEVE						ES462S
6.707	M14-1.5I	FEMALE	STR	.487	.591		M12-1.25	ES2924RL
6.75	.687-18R	MALE	STR	.666	.752	0.688	5/8-18	ES2017RL
6.75	.687-18R	MALE	STR	.593	.676	0.664	9/16-18	ES409R
6.77	M14-1.5I	SLEEVE						ES2173S
6.77	M16-1.5R	MALE	BENT	.531	.610	0.632	M12-1.25	ES2245R
6.79	.687-18L		BENT	.448				ES327R
6.8	.687-18R	MALE	BENT	.593	.752	1.272	9/16-18	ES2218RL
6.83	1.187-18L		STR	.552				ES446L
6.84	1.00-16L		STR	.613				ES2925L
6.9								ES460S
6.914	M16-1.5R	MALE	STR	.494	.558	1.439	M10-1.00	ES2185R
6.969	M14-1.5R		BENT	.506				ES2595R
6.98	M14-1.5R		BENT	.506				ES2371
7.0	1.000-18L	MALE	STR	.594	.703	0.872	9/16-18	ES444L
7.05	.687-18R		BENT	.486				ES2081RL
7.087	M14-1.5RI	FEMALE	BENT	.498				ES2182R
7.089	M14-1.5		BENT	.508				ES2946L
7.09	M14-1.5RI	FEMALE	BENT	.508				ES2943R
7.09	M14-1.5	MALE					M12-1.25	EV217
7.14	.625-18L	MALE	STR	.516	.623		.437-20	ES378L
7.19	.625-18L	MALE	STR	.516	.626	0.88	7/16-20	ES350L
7.19	.625-18R	MALE	STR	.516	.623	0.856	7/16-20	ES370R
7.19	.625-18L		BENT	.516	.623		7/16-20	ES378R
7.28	M17-1.5R	MALE	STR	.577	.641	0.512	M14-1.50	ES2374
7.32	M14-1.5	MALE	STR					EV287
7.34	M14-1.5I	FEMALE	BENT	.548			M12-1.25	ES3155RL
7.37	1.25-12L	MALE	STR	1.080	1.250	1.36	7/8-14	ES2090L
7.37	1.25-12R	MALE	STR	1.080	1.250	1.36	7/8-14	ES2091R
7.37	1.25-12R	MALE	STR				7/8-14	ES3034R
7.37	1.25-12I	FEMALE	STR	1.080				ES2209R
7.37	1.25-12L		STR	1.080				ES2210L
7.38	1.25-12R	MALE	STR	1.080	1.250	1.36	7/8-14	ES2202R
7.38	1.25-12R	MALE	STR	1.080	1.250	1.36	7/8-14	ES2204R
7.38	.687-18L	MALE	STR	.550	.622	0.576	M12-1.75	ES2838RL
7.4	M14-1.5R		BENT	.5059				ES2031R

# TIE ROD ENDS & DRAG LINKS — LISTED BY SIZE

SPECIFICATIONS

Length Dim. "A"	Threads Dim. "B"	Rod Type Male/Female	Config	Stud Diameter			Stud Thread Dim. "F"	Part Number
				Dim. "C"	Dim. "D"	Dim. "E"		
7.44	.687-18R	MALE	STR	.525	.626	0.808	M12-1.50	ES2836RL
7.44	.687-18R		STR	.500				ES2862RL
7.44	.625-18L	MALE	STR	.666	.752	0.688	5/8-18	ES358L
7.44	.625-18R	MALE	STR	.666	.752	0.688	5/8-18	ES358R
7.44	.687-18L		BENT	.499				ES412RL
7.44	.75-18L	MALE	STR	.612	.703	0.728	9/16-18	ES424L
7.44	.75-18R	MALE	STR	.612	.703	0.728	9/16-18	ES424R
7.44	.687-18L	MALE	STR	.536	.626	0.72	1/2-20	ES428L
7.44	.687-18R	MALE	STR	.536	.626	0.72	1/2-20	ES428R
7.48	M16-1.5I	SLEEVE						ES2359S
7.53	M14-1.5R	MALE	STR				M12-1.25	EV296
7.55	M14-1.5R	MALE	STR			6.0		EV167
7.57	M14-1.5R	MALE	STR				M12-1.25	EV299
7.6	M14-1.5	MALE						EV232
7.65	.687-18L	MALE	STR					EV111
7.7	M17-1.5R	MALE	STR/HO	.593	.578		M14-1.50	ES2180R
7.75	M14-1.0RI	FEMALE	BENT	.475				ES491R
7.75	.75-18L		BENT	.448				ES714
7.75	.687-18R		BENT	.568				ES724
7.79	M14-1.5R		BENT	.495				ES2263R
7.8	.875-18L	MALE	BENT	.613	.703	0.728	9/16-18	ES2018L
7.85	.687-18L	MALE	STR	.550	.622	0.576	M12-1.75	ES2837RL
7.933	M17-1.5R		BENT	.577				ES3003
7.99	M14-1.5R		BENT	.505				ES2271R
7.991	M14-1.5RI	FEMALE	STR	.492				ES2378
7.991	M14-1.5RI	FEMALE	STR	.492				ES2379
7.991	M14-1.5RI	FEMALE	STR	.492				ES2385
7.992	M14-1.5LI	FEMALE	BENT	.537				ES2273R
7.992	M14-1.5RI	FEMALE	BENT	.537				ES2274R
8.0	M14-1.5	MALE						EV243
8.078	.625-18R		BENT	.452				ES2226RL
8.078	.625-18L		BENT	.516				ES2227RL
8.09	.687-18R		STR	.452				ES441RL
8.12	.687-18I	SLEEVE						ES440S
8.12	M14-1.5R	MALE	STR					EV121
8.13	M16-1.5	MALE	BENT	.533			M12-1.25	ES3157RL
8.137	M14-1.5RI	FEMALE	BENT	.520				ES2109R
8.137	M14-1.5I	FEMALE	BENT	.520				ES2110R
8.14	M17-1.5R	MALE	STR	.578			M14-1.50	ES3192
8.16	.625-18L		STR	.516				ES357RL
8.2	M16-1.5I	SLEEVE						ES2729S
8.2	.687-18L		STR	.554				ES352L
8.25	.562-18I	SLEEVE						ES430S
8.25	.562-18R		STR	.516				ES577
8.25	.562-18R	MALE	STR	.516			437-20	ES577S
8.25	.562-18I	SLEEVE						ES319S
8.34	.875-18R	MALE	STR	.715	.795	0.64	5/8-18	ES2026R
8.35	M14-1.5L	MALE	STR	.496	.594	0.784	M14-1.50	ES2143R
8.42	M21-1.5R	MALE	STR/HO	.577			M14-1.50	ES2719
8.44	M18-1.5R	MALE	BENT	.519	.603	0.672	M12-1.25	ES2473R
8.45	M17-1.5R	MALE	STR/HO	.570	.630	0.48	M14-1.50	ES2366
8.47	.687-18L		BENT	.448				ES713
8.48	.625-18R	MALE	BENT	.452	.626	1.392	7/16-20	ES2033RL
8.48	.625-18L	MALE	BENT	.516	.626	1.392	7/16-20	ES2034RL