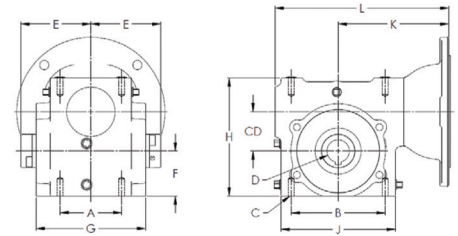


Solid Shaft

Brand	Product Line	CD	A	B	C	D	E	F	G	H	J	QUILL INPUT				COUPLED INPUT			
												K		L		K		L	
												56C 140TC	180TC	56C 140TC	180TC	56C 140TC	180TC	56C 140TC	180TC
Winsmith	RD	1.33	2.00	3.25	5/16-18 x .56	0.625	4.00	1.72	3.88	4.63	3.94	4.38	-	6.63	-	4.38	-	6.63	-
Morse	Raider Plus	1.33	2.00	3.25	5/16-18 x .52	0.625	4.00	1.72	4.00	4.66	4.00	3.94	-	6.07	-	6.38	-	8.50	-
Winsmith	RD	1.75	2.75	4.19	5/16-18 x .63	0.875	4.31	1.99	4.63	5.25	5.09	4.94	-	7.94	-	4.94	-	7.94	-
Morse	Raider Plus	1.75	2.75	4.19	5/16-18 x .65	0.875	4.31	2.06	4.86	5.75	4.81	4.38	-	7.13	-	7.00	-	9.75	-
Winsmith	RD	2.00	2.88	5.00	3/8-16 x .63	1.000	4.69	2.28	4.38	5.81	5.91	5.06	-	8.19	-	5.06	-	8.19	-
Morse	Raider Plus	2.06	2.88	5.00	3/8-16 x .61	1.000	4.69	2.28	5.38	6.38	5.50	4.75	-	7.75	-	7.37	-	10.37	-
Winsmith	RD	2.38	2.88	5.00	3/8-16 x .75	1.125	5.14	2.50	5.63	6.81	6.10	5.50	6.02	9.12	9.64	5.50	6.02	9.12	9.64
Morse	Raider Plus	2.38	2.88	5.00	3/8-16 x .60	1.125	5.08	2.50	5.42	6.94	6.12	5.06	-	8.62	-	7.69	-	11.25	-
Winsmith	RD	2.63	3.38	6.38	3/8-16 x .75	1.125	5.63	2.94	5.63	7.50	7.36	5.70	6.22	9.58	10.10	5.70	6.22	9.58	10.10
Morse	Raider Plus	2.63	3.38	6.38	3/8-16 x .58	1.125	5.63	2.94	6.26	8.00	7.12	5.69	6.13	9.38	9.82	8.50	9.72	12.19	13.41
Winsmith	RD	3.00	4.00	7.00	7/16-14 x .88	1.250	6.75	3.25	7.50	8.25	8.13	6.05	6.56	10.24	10.75	6.05	6.56	10.24	10.75
Morse	Raider Plus	3.00	4.00	7.00	7/16-14 x .90	1.250	6.75	3.25	7.00	8.88	8.50	5.67	6.45	10.17	10.95	9.35	10.57	13.85	15.07



Hollow Shaft

Brand	Product Line	CD	A	B	C	D	E	F	G	H	J	QUILL INPUT				COUPLED INPUT			
												K		L		K		L	
												56C 140TC	180TC	56C 140TC	180TC	56C 140TC	180TC	56C 140TC	180TC
Winsmith	RD	1.75	2.75	4.19	5/16-18 x .63	.625, .750, .875, .938, 1.000	3.13	1.99	4.88	5.25	5.09	4.94	-	7.94	-	4.94	-	7.94	-
Morse	Raider Plus	1.75	2.75	4.19	5/16-18 x .65	.750, .875, .938	2.85	2.06	3.38	5.75	4.81	4.38	-	7.13	-	7.00	-	9.75	-
Winsmith	RD	2.00	2.88	5.00	3/8-16 x .63	.750, .938, 1.000, 1.125, 1.188, 1.250, 1.438	3.31	2.28	5.25	5.81	5.91	5.06	-	8.19	-	5.06	-	8.19	-
Morse	Raider Plus	2.06	2.88	5.00	3/8-16 x .61	.750, .875, .938, 1.000, 1.0625, 1.125, 1.188, 1.250, 1.313	3.22	2.28	3.75	6.38	5.40	4.75	-	7.75	-	7.37	-	10.37	-
Winsmith	RD	2.38	2.88	5.00	3/8-16 x .75	1.000, 1.063, 1.125, 1.188, 1.250, 1.313, 1.438, 1.500	3.44	2.50	5.50	6.81	6.10	5.50	6.02	9.12	9.64	5.50	6.02	9.12	9.64
Morse	Raider Plus	2.38	2.88	5.00	3/8-16 x .60	.750, .875, .938, 1.000, 1.063, 1.125, 1.188, 1.250, 1.313, 1.438	3.16	2.50	4.06	6.94	6.12	5.06	-	8.62	-	7.69	-	11.25	-
Winsmith	RD	2.63	3.38	6.38	3/8-16 x .75	1.000, 1.063, 1.125, 1.188, 1.250, 1.313, 1.375, 1.438, 1.500, 1.625, 1.688	3.50	2.94	5.38	7.50	7.36	5.70	6.22	9.58	10.10	5.70	6.22	9.58	10.10
Morse	Raider Plus	2.63	3.38	6.38	3/8-16 x .58	.938, 1.000, 1.063, 1.125, 1.188, 1.250, 1.313, 1.375, 1.438, 1.500, 1.625, 1.688, 1.750	3.44	2.94	4.44	8.00	7.12	5.69	6.13	9.38	9.82	8.50	9.72	12.19	13.41
Winsmith	RD	3.00	4.00	7.00	7/16-14 x .88	1.188, 1.250, 1.375, 1.438, 1.500, 1.625, 1.688, 1.750, 1.875, 1.938, 2.000	3.69	3.25	7.50	8.25	8.13	6.05	6.56	10.24	10.75	6.05	6.56	10.24	10.75
Morse	Raider Plus	3.00	4.00	7.00	7/16-14 x .90	1.188, 1.250, 1.313, 1.375, 1.438, 1.500, 1.625, 1.688, 1.750, 1.875, 1.938, 2.000	4.19	3.25	5.50	8.88	8.50	5.67	6.45	10.17	10.95	9.35	10.57	13.85	15.07