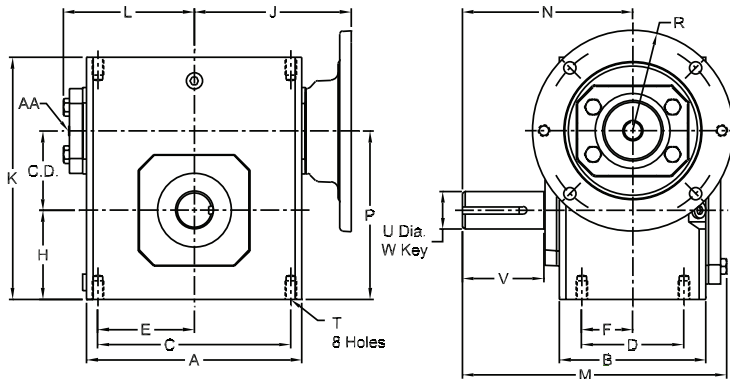
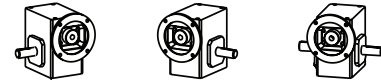


Style Q

C-Face Quilled – Basic Unit



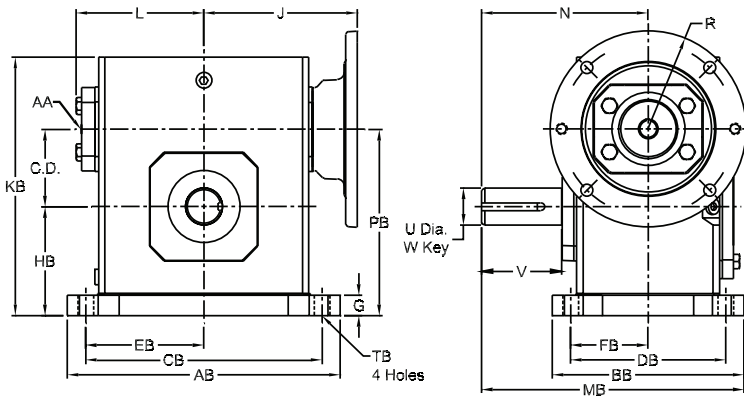
Assembly Drawing and Sample of Components



133Q56L10 133Q56R10 133Q56LR10

Style QT

C-Face Quilled Worm Top



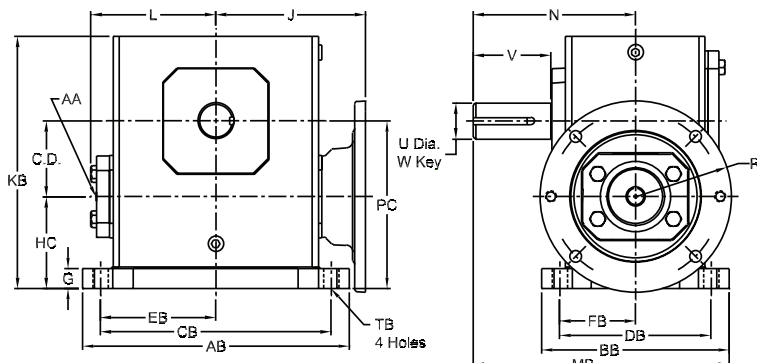
Assembly Drawing and Sample of Components



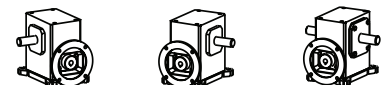
133Q56L10 133Q56R10 133Q56LR10
133S-BK 133S-BK 133S-BK

Style QB

C-Face Quilled Worm Bottom



Assembly Drawing and Sample of Components



133Q56R10 133Q56L10 133Q56LR10
133S-BK 133S-BK 133S-BK

Note: When mounting Style "QB", interference may occur; use a Riser Block or consult Application Engineering (1 800 626 2093).



Worm Gear Reducers



Dimensions (Inches) for Style "Q"

C.D.	Basic Unit★	NEMA Frame	A	B	C	D	E	F	H	J	K	L	M	N	P	R
1.33	133Q56	56C	3.80	2.82	3.25	2.00	1.63	1.00	1.72	3.46	4.66	2.61	6.06	4.00	3.05	3.25
1.54	154Q56	56C	4.88	3.44	4.19	2.75	2.09	1.38	1.91	3.99	5.38	3.14	6.72	4.31	3.45	3.25
1.54	154Q140	143/145TC	4.88	3.44	4.19	2.75	2.09	1.38	1.91	3.99	5.38	3.14	6.72	4.31	3.45	3.25
1.75	175Q56	56C	5.06	3.56	4.19	2.75	2.09	1.38	2.06	4.09	5.75	3.24	6.78	4.31	3.81	3.25
1.75	175Q140	143/145TC	5.06	3.56	4.19	2.75	2.09	1.38	2.06	4.09	5.75	3.24	6.78	4.31	3.81	3.25
2.06	206Q56	56C	5.80	3.81	5.00	2.88	2.50	1.44	2.28	4.46	6.38	3.61	7.07	4.68	4.34	3.25
2.06	206Q140	143/145TC	5.80	3.81	5.00	2.88	2.50	1.44	2.28	4.46	6.38	3.61	7.07	4.68	4.34	3.25
2.37	237Q56	56C	6.12	4.06	5.00	2.88	2.50	1.44	2.50	4.63	6.94	3.77	7.84	5.14	4.88	3.25
2.37	237Q140	143/145TC	6.12	4.06	5.00	2.88	2.50	1.44	2.50	4.63	6.94	3.77	7.84	5.14	4.88	3.25
2.62	262Q56	56C	7.12	4.84	6.38	3.38	3.19	1.69	2.94	5.19	8.00	4.34	8.74	5.63	5.57	3.25
2.62	262Q140	143/145TC	7.12	4.84	6.38	3.38	3.19	1.69	2.94	5.19	8.00	4.34	8.74	5.63	5.57	3.25
2.62	262Q180	182/184TC	7.12	4.84	6.38	3.38	3.19	1.69	2.94	5.62	8.00	4.34	8.74	5.63	5.57	4.50
3.00	300Q56	56C	8.12	5.25	7.00	4.00	3.50	2.00	3.25	5.95	8.88	4.84	10.14	6.75	6.25	3.25
3.00	300Q140	143/145TC	8.12	5.25	7.00	4.00	3.50	2.00	3.25	5.95	8.88	4.84	10.14	6.75	6.25	3.25
3.00	300Q180	182/184TC	8.12	5.25	7.00	4.00	3.50	2.00	3.25	6.15	8.88	4.84	10.14	6.75	6.25	4.50
3.25	325Q56	56C	8.50	5.75	7.50	4.00	3.75	2.00	3.50	6.14	9.38	5.02	10.70	7.06	6.75	3.25
3.25	325Q140	143/145TC	8.50	5.75	7.50	4.00	3.75	2.00	3.50	6.14	9.38	5.02	10.70	7.06	6.75	3.25
3.25	325Q180	182/184TC	8.50	5.75	7.50	4.00	3.75	2.00	3.50	6.34	9.38	5.02	10.70	7.06	6.75	4.50
3.75	375Q56	56C	9.50	6.38	8.50	4.75	4.25	2.38	3.88	6.01	10.44	5.74	11.88	7.75	7.63	3.38
3.75	375Q140	143/145TC	9.50	6.38	8.50	4.75	4.25	2.38	3.88	6.01	10.44	5.74	11.88	7.75	7.63	3.38
3.75	375Q180	182/184TC	9.50	6.38	8.50	4.75	4.25	2.38	3.88	7.29	10.44	5.74	11.88	7.75	7.63	4.50
3.75	375Q210	213/215TC	9.50	6.38	8.50	4.75	4.25	2.38	3.88	7.29	10.44	5.74	11.88	7.75	7.63	4.50
4.50	450Q140	143/145TC	10.88	7.38	9.56	5.81	4.78	2.91	4.50	6.69	11.94	6.42	13.16	8.44	9.00	3.38
4.50	450Q180	182/184TC	10.88	7.38	9.56	5.81	4.78	2.91	4.50	7.97	11.94	6.42	13.16	8.44	9.00	4.50
4.50	450Q210	213/215TC	10.88	7.38	9.56	5.81	4.78	2.91	4.50	7.97	11.94	6.42	13.16	8.44	9.00	4.50
5.16	516Q180	182/184TC	12.50	7.38	11.00	5.81	5.50	2.91	5.31	8.78	13.75	7.42	13.91	9.06	10.47	4.50
5.16	516Q210	213/215TC	12.50	7.38	11.00	5.81	5.50	2.91	5.31	8.78	13.75	7.42	13.91	9.06	10.47	4.50
6.00	600Q180	182/184TC	14.50	8.13	12.75	6.38	6.38	3.19	6.50	9.68	16.50	8.25	15.31	10.00	12.50	4.50
6.00	600Q210	213/215TC	14.50	8.13	12.75	6.38	6.38	3.19	6.50	9.68	16.50	8.25	15.31	10.00	12.50	4.50

Raider Plus

C.D.	N.E.M.A. Frame	T		INPUT		OUTPUT SHAFT				Stock Ratios marked x									
						U	V	W Key											
		Size	Deep	Bore	Keyway			Sq.	Lgth.	5	10	15	20	25	30	40	50	60	
1.33	56C	5/16-18	0.50	0.63	0.19	0.63	1.94	0.19	1.50	x	x	x	x	x	x	x	x	x	x
1.54	56C	5/16-18	0.63	0.63	0.19	0.75	1.90	0.19	1.50	x	x	x	x	x	x	x	x	x	x
1.54	143/145TC	5/16-18	0.63	0.88	0.19	0.75	1.90	0.19	1.50	x	x	x	x	-	-	-	-	-	-
1.75	56C	5/16-18	0.63	0.63	0.19	0.88	1.84	0.19	1.38	x	x	x	x	x	x	x	x	x	x
1.75	143/145TC	5/16-18	0.63	0.88	0.19	0.88	1.84	0.19	1.38	x	x	x	x	x	x	x	x	x	x
2.06	56C	5/16-18	0.63	0.63	0.19	1.00	2.08	0.25	1.44	x	x	x	x	x	x	x	x	x	x
2.06	143/145TC	5/16-18	0.63	0.88	0.19	1.00	2.08	0.25	1.44	x	x	x	x	x	x	x	x	x	x
2.37	56C	3/8-16	0.69	0.63	0.19	1.13	2.44	0.25	1.75	-	-	-	x	x	x	x	x	x	x
2.37	143/145TC	3/8-16	0.69	0.88	0.19	1.13	2.44	0.25	1.75	x	x	x	x	x	x	x	x	x	x
2.62	56C	3/8-16	0.69	0.63	0.19	1.13	2.52	0.25	1.75	-	-	-	x	x	x	x	x	x	x
2.62	143/145TC	3/8-16	0.69	0.88	0.19	1.13	2.52	0.25	1.75	x	x	x	x	x	x	x	x	x	x
2.62	182/184TC	3/8-16	0.69	1.13	0.25	1.13	2.52	0.25	1.75	x	x	x	x	-	-	-	-	-	-
3.00	56C	7/16-14	0.88	0.63	0.19	1.25	3.36	0.25	1.75	-	-	-	-	-	-	-	x	x	x
3.00	143/145TC	7/16-14	0.88	0.88	0.19	1.25	3.36	0.25	1.75	-	x	x	x	x	x	x	x	x	x
3.00	182/184TC	7/16-14	0.88	1.13	0.25	1.25	3.36	0.25	1.75	x	x	x	x	x	x	-	-	-	-
3.25	56C	7/16-14	0.88	0.63	0.19	1.38	3.42	0.31	2.63	-	-	-	-	-	-	-	x	x	x
3.25	143/145TC	7/16-14	0.88	0.88	0.19	1.38	3.42	0.31	2.63	-	x	x	x	x	x	x	x	x	x
3.25	182/184TC	7/16-14	0.88	1.13	0.25	1.38	3.42	0.31	2.63	x	x	x	x	x	x	-	-	-	-
3.75	56C	1/2-13	1.00	0.63	0.19	1.63	3.50	0.38	2.81	-	-	-	-	-	-	-	x	x	x
3.75	143/145TC	1/2-13	1.00	0.88	0.19	1.63	3.50	0.38	2.81	-	x	x	x	x	x	x	x	x	x
3.75	182/184TC	1/2-13	1.00	1.13	0.25	1.63	3.50	0.38	2.81	-	x	x	x	x	x	x	x	x	-
3.75	213/215TC	1/2-13	1.00	1.38	0.31	1.63	3.50	0.38	2.81	-	x	x	-	-	-	-	-	-	-
4.50	143/145TC	5/8-11	1.00	0.88	0.19	1.63	3.38	0.38	2.50	-	-	-	-	-	-	-	x	x	x
4.50	182/184TC	5/8-11	1.00	1.13	0.25	1.63	3.38	0.38	2.50	-	-	-	x	x	x	x	x	x	-
4.50	213/215TC	5/8-11	1.00	1.38	0.31	1.63	3.38	0.38	2.50	-	x	x	x	x	-	-	-	-	-
5.16	182/184TC	5/8-11	1.00	1.13	0.25	2.00	4.16	0.50	2.81	-	-	-	-	-	-	-	x	x	x
5.16	213/215TC	5/8-11	1.00	1.38	0.31	2.00	4.16	0.50	2.81	-	x	x	x	x	x	-	-	-	-
6.00	182/184TC	5/8-11	1.00	1.38	0.31	2.25	4.56	0.50	3.50	-	-	-	-	x	x	x	x	x	x
6.00	213/215TC	5/8-11	1.00	1.38	0.31	2.25	4.56	0.50	3.50	-	-	-	-	x	x	x	x	x	x

Dimensions (Inches) for Style "QT" - Worm Top

Components		AB	BB	CB	DB	EB	FB	G	HB	KB	MB	PB	TB
Ref. No.	Standard Base Kit ▲												
133Q	133S-BK	5.37	5.38	4.37	3.31	2.19	1.66	0.53	2.25	5.19	6.69	3.58	0.34
154Q	154S-BK	6.50	5.56	5.25	4.31	2.63	2.16	0.59	2.50	5.97	7.09	4.04	0.41
175Q	175S-BK	6.99	5.75	5.75	4.50	2.88	2.25	0.69	2.75	6.44	7.19	4.50	0.41
206Q	206S-BK	7.69	6.00	6.38	4.69	3.19	2.34	0.72	3.00	7.09	7.68	5.06	0.47
237Q	237S-BK	8.37	6.19	7.06	4.88	3.53	2.44	0.75	3.25	7.69	8.24	5.63	0.49
262Q	262S-BK	9.25	6.50	8.00	5.25	4.00	2.63	0.75	3.69	8.75	8.88	6.32	0.53
300Q	300S-BK	10.00	7.50	8.44	5.88	4.22	2.94	0.75	4.00	9.63	10.50	7.00	0.53
325Q	325S-BK	11.12	7.75	9.50	6.13	4.75	3.06	0.81	4.38	10.25	10.94	7.63	0.53
375Q	375S-BK	12.00	8.63	10.38	7.00	5.19	3.50	0.94	4.81	11.38	12.06	8.56	0.59
450Q	450S-BK	13.88	9.31	12.13	7.63	6.06	3.81	1.13	5.63	13.06	13.13	10.19	0.66
516Q	516S-BK	16.38	10.38	14.13	8.38	7.06	4.19	1.13	6.44	14.88	14.25	11.60	0.78
600Q	600S-BK	19.00	12.00	16.50	9.50	8.25	4.75	1.25	7.75	17.75	16.00	13.75	0.91

Dimensions (Inches) for Style "QB"

Components		HC	PC
Ref. No.	Base Kits Standard		
133Q	133S-BK	2.14	3.47
154Q	154S-BK	2.52	4.06
175Q	175S-BK	2.63	4.38
206Q	206S-BK	2.75	4.81
237Q	237S-BK	2.81	5.19
262Q	262S-BK	3.19	5.82
300Q	300S-BK	3.38	6.38
325Q	325S-BK	3.50	6.75
375Q	375S-BK	3.75	7.50
450Q	450S-BK	4.06	8.63
516Q	516S-BK	4.40	9.56
600Q	600S-BK	5.25	11.25