

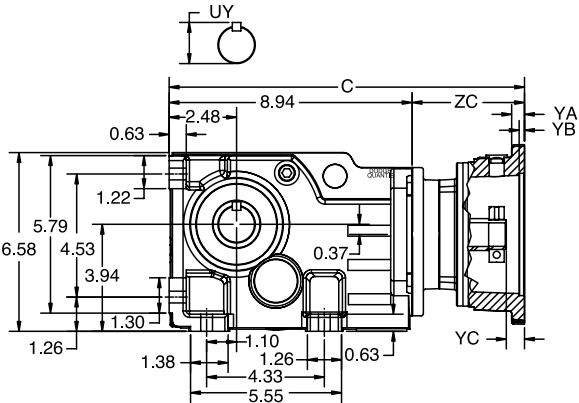
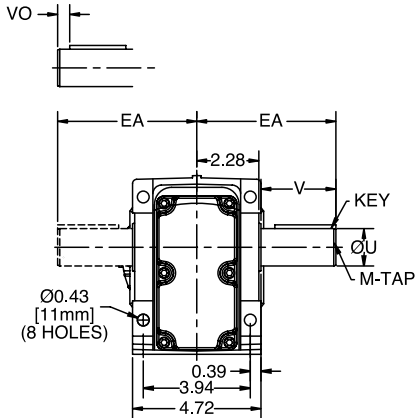
DIMENSIONS



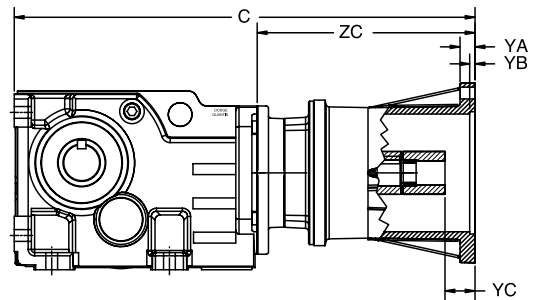
RIGHT ANGLE HELICAL BEVEL (RHB) NEMA C-Face - Foot Mounted - Clamp Collar / 3 Piece Coupled Triple Reduction Solid Output Shaft

SIZE: BB38

METRIC OUTPUT SHAFT



CLAMP COLLAR



THREE-PIECE COUPLED

NOMENCLATURE
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WEIGHTS
PAGE RHB-372

DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB) NEMA C-Face - Foot Mounted - Clamp Collar / 3 Piece Coupled Triple Reduction Solid Output Shaft

SIZE: BB38

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
1.000	+0.0000 -0.0005	1.11	1.97	-	1/4 x 1/4 x 1-5/8	3/8-16 UNC x 0.87	4.33
25	+0.015 +0.002	28	50	5	8 x 7 x 40	M10 x 22	110

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
1.375	+0.0000 -0.0005	1.52	2.76	-	5/16 x 5/16 x 2-3/8	3/8-16 UNC x 0.87	5.12
35	+0.018 +0.002	38	70	5	10 x 8 x 56	M12 x 28	130

NEMA MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YA	YB	YC
56C	12.44	3.50	0.47	0.20	0.67
140TC	13.11	4.17	0.47	0.20	0.67
180TC	13.43	4.49	0.69	0.22	0.93

NEMA MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YA	YB	YC
56C	15.53	6.59	0.55	0.20	1.08
140TC	16.95	8.01	0.55	0.20	1.10
180TC	18.23	9.29	0.87	0.22	1.66

Refer to page Engineering-2 for Input Flange and Shaft details

NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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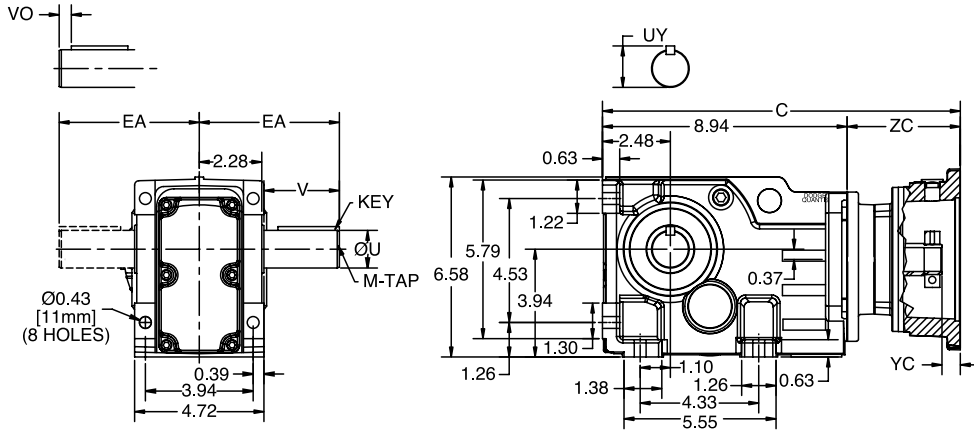
DIMENSIONS



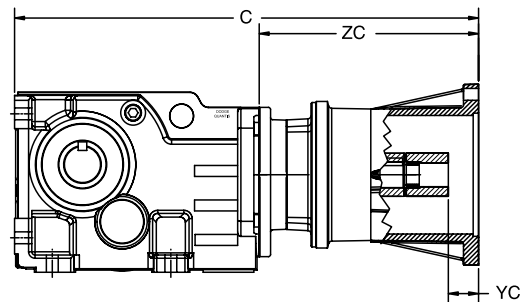
RIGHT ANGLE HELICAL BEVEL (RHB) IEC D-Flange (B5 Input) - Foot Mounted - Clamp Collar / 3 Piece Coupled Triple Reduction Solid Output Shaft

SIZE: BB38

METRIC OUTPUT SHAFT



CLAMP COLLAR



THREE-PIECE COUPLED

NOMENCLATURE
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PAGE RHB-372

DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB38

IEC D-Flange (B5 Input) - Foot Mounted - Clamp Collar / 3 Piece Coupled
Triple Reduction
Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
1.000	+0.0000 -0.0005	1.11	1.97	-	1/4 x 1/4 x 1-5/8	3/8-16 UNC x 0.87	4.33
25	+0.015 +0.002	28	50	5	8 x 7 x 40	M10 x 22	110

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
1.375	+0.0000 -0.0005	1.52	2.76	-	5/16 x 5/16 x 2-3/8	3/8-16 UNC x 0.87	5.12
35	+0.018 +0.002	38	70	5	10 x 8 x 56	M12 x 28	130

IEC MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YC
71D	11.70	2.76	0.16
80D	12.64	3.70	0.61
90D	12.64	3.70	0.61
100D	12.94	4.00	0.28

IEC MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YC
80D	16.87	7.93	0.59
90D	16.87	7.93	1.02
100D	17.76	8.82	1.18

Refer to page Engineering-3 for Input Flange and Shaft details.

QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

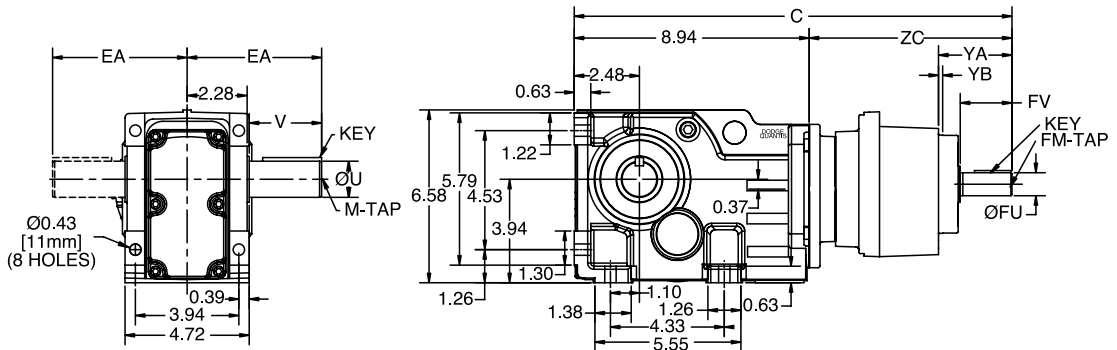
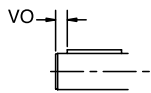
Separate - Foot Mounted

Triple Reduction

Solid Output Shaft

SIZE: BB38

METRIC OUTPUT SHAFT



METRIC INPUT SHAFT



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MOUNTING POSITIONS
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RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB38

Separate - Foot Mounted

Triple Reduction

Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
1.000	+0.0000 -0.0005	1.11	1.97	-	1/4 x 1/4 x 1-5/8	3/8-16 UNC x 0.87	4.33
25	+0.015 +0.002	28	50	5	8 x 7 x 40	M10 x 22	110

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
1.375	+0.0000 -0.0005	1.52	2.76	-	5/16 x 5/16 x 2-3/8	3/8-16 UNC x 0.87	5.12
35	+0.018 +0.002	38	70	5	10 x 8 x 56	M12 x 28	130

SEPARATE INPUT

Dimension - Inch/MM

	C	ZC	F0	FM x Depth	ØFU	tol.	FV	YA	YB	Key
71	14.89	5.95	---	8-32 UNC x 0.49	0.625	+0.0000 -0.0005	1.57	2.40	0.16	3/16 x 3/16 x 1-5/16
	378	151	4	M5 x 12.5	16	+0.012 +0.001	40			5 x 5 x 32
80	16.27	7.33	---	1/4-20 UNC x 0.63	0.750	+0.0000 -0.0005	1.57	2.40	0.16	3/16 x 3/16 x 1-5/16
	413	186	4	M6 x 16	19	+0.015 +0.002	40			6 x 6 x 32
90	16.66	7.72	---	5/16-18 UNC x 0.75	0.875	+0.0000 -0.0005	1.97	2.80	0.16	3/16 x 3/16 x 1-5/8
	423	196	5	M8 x 19	24	+0.015 +0.002	50			8 x 7 x 40
100	17.29	8.35	---	3/8-16 UNC x 0.87	1.125	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	439	212	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50

Refer to page Engineering-4 for Input Flange and Shaft details.

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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

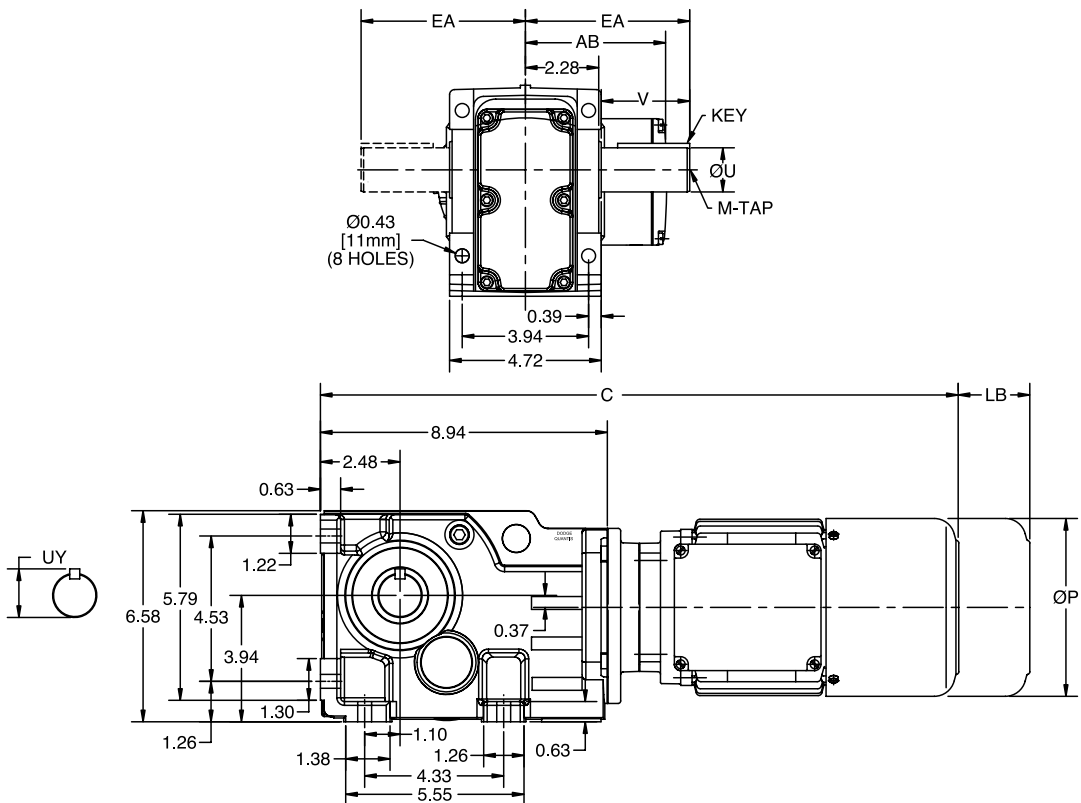
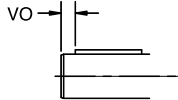
Integral Gearmotor - Foot Mounted

Triple Reduction

Solid Output Shaft

SIZE: BB38

METRIC OUTPUT SHAFT



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PAGE RHB-5

MOUNTING POSITIONS
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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB38

Integral Gearmotor - Foot Mounted

Triple Reduction

Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
1.000	+0.0000 -0.0005	1.11	1.97	-	1/4 x 1/4 x 1-5/8	3/8-16 UNC x 0.87	4.33
25	+0.015 +0.002	28	50	5	8 x 7 x 40	M10 x 22	110

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
1.375	+0.0000 -0.0005	1.52	2.76	-	5/16 x 5/16 x 2-3/8	3/8-16 UNC x 0.87	5.12
35	+0.018 +0.002	38	70	5	10 x 8 x 56	M12 x 28	130

MOTOR

Dimension - Inch/MM

Frame	C	LB	P	AB
71C4 / 71D4 / 71E4	19.48	1.81	6.19	5.18
	495	46	158	132
80F4	19.62	2.56	6.19	5.12
	499	65	158	131
80G4	21.12	2.56	6.19	5.12
	537	65	158	131
90H4	21.05	2.52	7.19	5.79
	535	64	183	148
90I4	21.94	2.52	7.19	5.79
	558	64	183	148
100J4	23.94	2.91	7.19	5.79
	609	74	183	148

NOMENCLATURE
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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB) NEMA C-Face - Foot Mounted - Clamp Collar / 3 Piece Coupled Triple Reduction Straight Hollow Bore Output Shaft

SIZE: BB38

HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
1.250	+0.0010 +0.0004	1.38	1.47	1/4 x 1/4 x 1-7/8	3/8-16 x 1-3/4 UNC
30	+0.020 -0.007	33	31	8 x 7 x 40	M10 x 40

NEMA MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YA	YB	YC
56C	12.44	3.50	0.47	0.20	0.67
140TC	13.11	4.17	0.47	0.20	0.67
180TC	13.43	4.49	0.69	0.22	0.93

NEMA MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YA	YB	YC
56C	15.53	6.59	0.55	0.20	1.08
140TC	16.95	8.01	0.55	0.20	1.10

Refer to page Engineering-2 for Input Flange and Shaft details.
Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.
Refer to page RHB-350 for Twin Tapered Bushing details.

QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

NOMENCLATURE
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MOUNTING POSITIONS
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DIMENSIONS



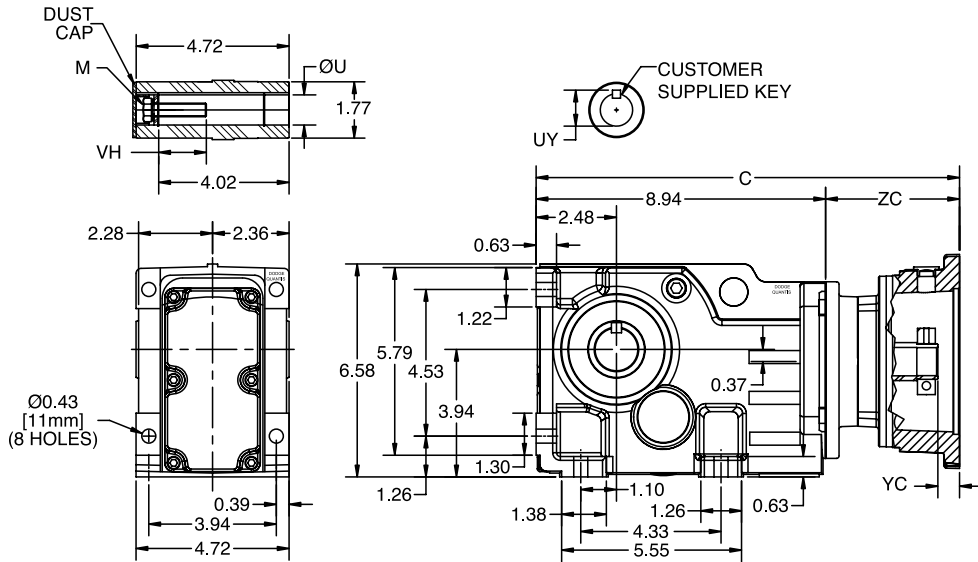
RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB38

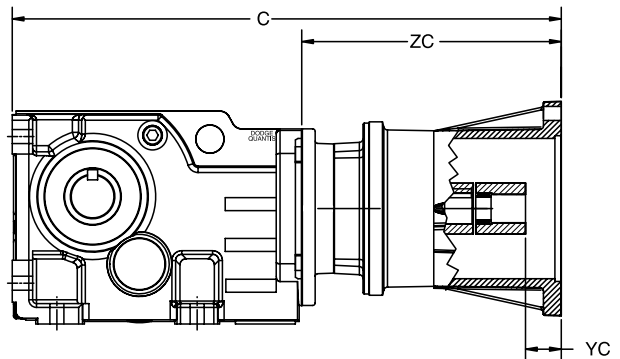
IEC D Flange (B5 Input) - Foot Mounted - Clamp Collar / 3 Piece Coupled

Triple Reduction

Straight Hollow Bore Output Shaft



CLAMP COLLAR



THREE-PIECE COUPLED

NOMENCLATURE
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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB38

IEC D Flange (B5 Input) - Foot Mounted - Clamp Collar / 3 Piece Coupled

Triple Reduction

Straight Hollow Bore Output Shaft

HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
1.250	+0.0010 +0.0004	1.38	1.47	1/4 x 1/4 x 1-7/8	3/8-16 x 1-3/4 UNC
30	+0.020 -0.007	33	31	8 x 7 x 40	M10 x 40

IEC MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YC
71D	11.70	2.76	0.16
80D	12.64	3.70	0.61
90D	12.64	3.70	0.61
100D	12.94	4.00	0.28

IEC MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YC
80D	16.87	7.93	0.59
90D	16.87	7.93	1.02
100D	17.76	8.82	1.18

Refer to page Engineering-3 for Input Flange and Shaft details.

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-350 for Twin Tapered Bushing details.

QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

NOMENCLATURE
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PAGE RHB-372

DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB38

Separate - Foot Mounted

Triple Reduction

Straight Hollow Bore Output Shaft

HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
1.250	+0.0010 +0.0004	1.38	1.47	1/4 x 1/4 x 1-7/8	3/8-16 x 1-3/4 UNC
30	+0.020 +0.007	33	31	8 x 7 x 40	M10 x 40

SEPARATE INPUT

Dimension - Inch/MM

	C	ZC	FO	FM x Depth	ØFU	tol.	FV	YA	YB	Key
71	14.89	5.95	---	8-32 UNC x 0.49	0.625	+0.0000 -0.0005	1.57	2.40	0.16	3/16 x 3/16 x 1-5/16
	378	151	4	M5 x 12.5	16	+0.012 +0.001	40			5 x 5 x 32
80	16.27	7.33	---	1/4-20 UNC x 0.63	0.750	+0.0000 -0.0005	1.57	2.40	0.16	3/16 x 3/16 x 1-5/16
	413	186	4	M6 x 16	19	+0.015 +0.002	40			6 x 6 x 32
90	16.66	7.72	---	5/16-18 UNC x 0.75	0.875	+0.0000 -0.0005	1.97	2.80	0.16	3/16 x 3/16 x 1-5/8
	423	196	5	M8 x 19	24	+0.015 +0.002	50			8 x 7 x 40
100	17.29	8.35	---	3/8-16 UNC x 0.87	1.125	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	4.39	212	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50

Refer to page Engineering-4 for Input Flange and Shaft details.

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-350 for Twin Tapered Bushing details.

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DIMENSIONS



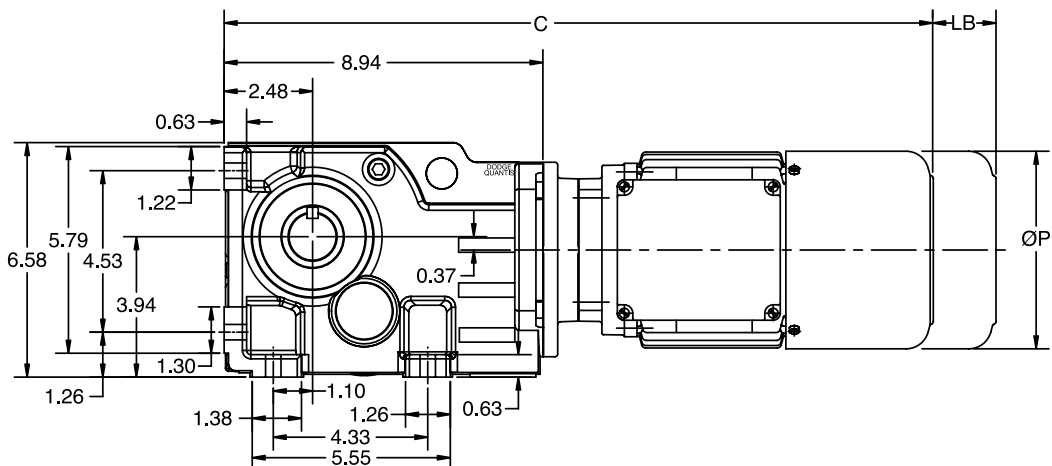
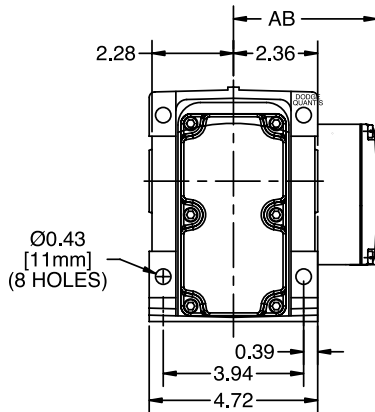
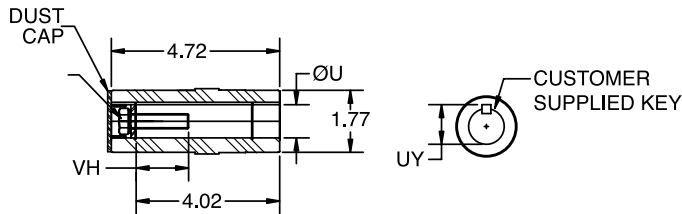
RIGHT ANGLE HELICAL BEVEL (RHB)

Integral Gearmotor - Foot Mounted

Triple Reduction

Straight Hollow Bore Output Shaft

SIZE: BB38



NOMENCLATURE
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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB38

Integral Gearmotor - Foot Mounted

Triple Reduction

Straight Hollow Bore Output Shaft

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
1.250	+0.0010 +0.0004	1.38	1.47	1/4 x 1/4 x 1-7/8	3/8-16 x 1-3/4 UNC
30	+0.020 +0.007	33	31	8 x 7 x 40	M10 x 40

MOTOR

Dimension - Inch/MM

Frame	C	LB	P	AB
71C4 / 71D4 / 71E4	19.48	1.81	6.19	5.18
	495	46	158	132
80F4	19.62	2.56	6.19	5.12
	499	65	158	131
80G4	21.12	2.56	6.19	5.12
	537	65	158	131
90H4	21.05	2.52	7.19	5.79
	535	64	183	148
90I4	21.94	2.52	7.19	5.79
	558	64	183	148
100J4	23.94	2.91	7.19	5.79
	609	74	183	148

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-350 for Twin Tapered Bushing details.

QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS



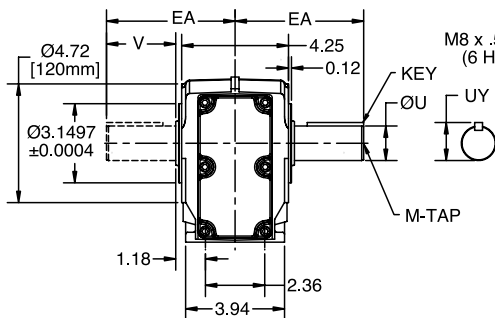
RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF38

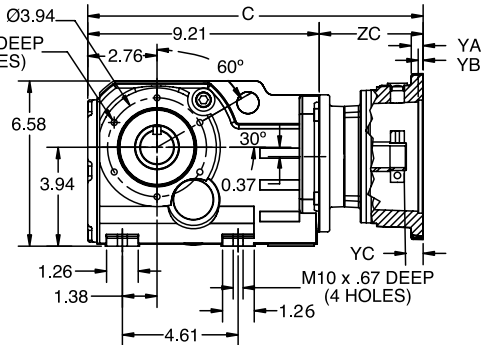
NEMA C-Face - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled

Triple Reduction

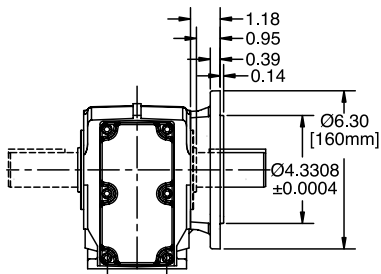
Solid Output Shaft



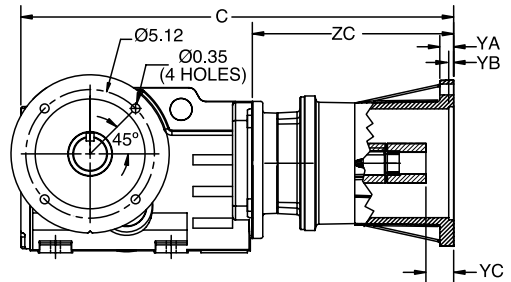
**B14 OUTPUT FLANGE -
Ø120mm**



CLAMP COLLAR



**B5 OUTPUT FLANGE -
Ø160mm**



THREE-PIECE COUPLED

METRIC OUTPUT SHAFT



DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF38

NEMA C-Face - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled

Triple Reduction

Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
1.000	+0.0000 -0.0005	1.11	1.97	-	1/4 x 1/4 x 1-5/8	3/8-16 UNC x 0.87	4.33
25	+0.015 +0.002	28	50	5	8 x 7 x 40	M10 x 22	110

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
1.375	+0.0000 -0.0005	1.52	2.76	-	5/16 x 5/16 x 2-3/8	3/8-16 UNC x 0.87	5.12
35	+0.018 +0.002	38	70	5	10 x 8 x 56	M12 x 28	130

NEMA MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YA	YB	YC
56C	12.71	3.50	0.47	0.20	0.67
140TC	13.38	4.17	0.47	0.20	0.67
180TC	13.70	4.49	0.69	0.22	0.93

NEMA MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YA	YB	YC
56C	15.80	6.59	0.55	0.20	1.08
140TC	17.22	8.01	0.55	0.20	1.10

Refer to page Engineering-2 for Input Flange and Shaft details.

QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

DIMENSIONS



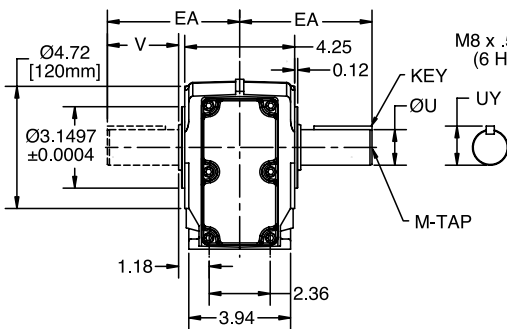
RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF38

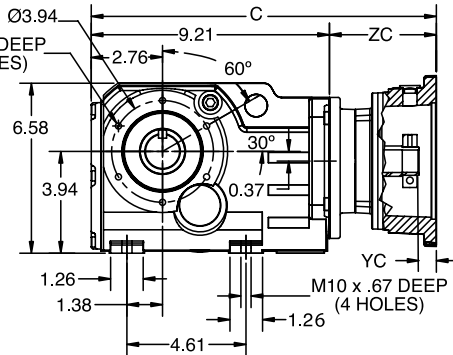
IEC D Flange (B5 Input) - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled

Triple Reduction

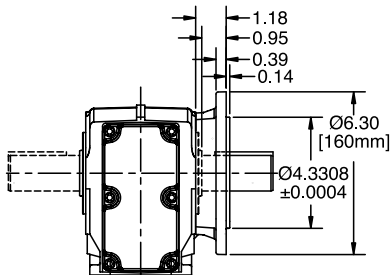
Solid Output Shaft



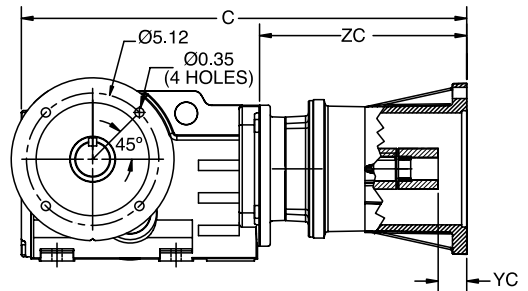
B14 OUTPUT FLANGE -
Ø120mm



CLAMP COLLAR

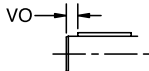


B5 OUTPUT FLANGE -
Ø160mm



THREE-PIECE COUPLED

METRIC OUTPUT SHAFT



DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF38

IEC D Flange (B5 Input) - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled
Triple Reduction
Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
1.000	+0.0000 -0.0005	1.11	1.97	-	1/4 x 1/4 x 1-5/8	3/8-16 UNC x 0.87	4.33
25	+0.015 +0.002	28	50	5	8 x 7 x 40	M10 x 22	110

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
1.375	+0.0000 -0.0005	1.52	2.76	-	5/16 x 5/16 x 2-3/8	3/8-16 UNC x 0.87	5.12
35	+0.018 +0.002	38	70	5	10 x 8 x 56	M12 x 28	130

IEC MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YC
71D	11.97	2.76	0.16
80D	12.91	3.70	0.61
90D	12.91	3.70	0.61
100D	13.21	4.00	0.28

IEC MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YC
80D	17.14	7.93	0.59
90D	17.14	7.93	1.02
100D	18.03	8.82	1.18

Refer to page Engineering-3 for Input Flange and Shaft details.

QUANTIS

QUANTIS GOLD

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NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS



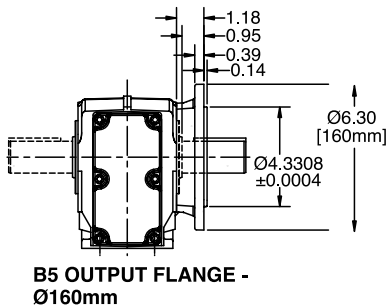
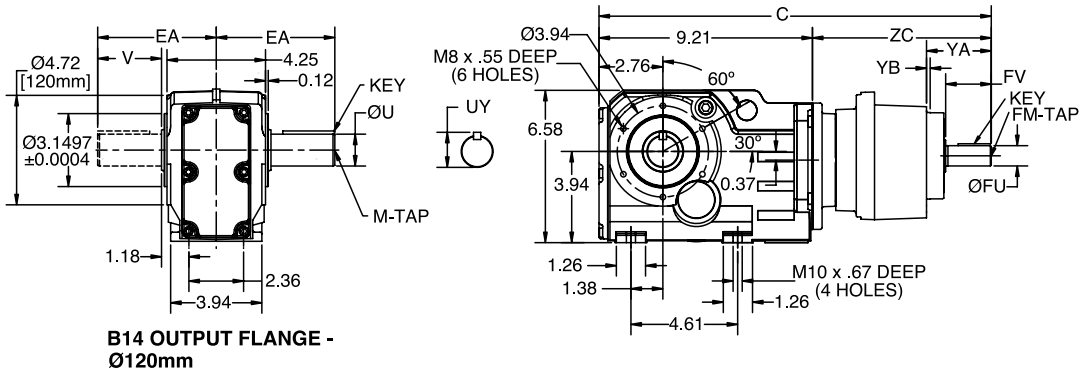
RIGHT ANGLE HELICAL BEVEL (RHB)

Separate - Flange Mounted (B5 / B14)

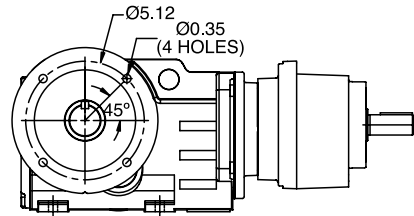
Triple Reduction

Solid Output Shaft

SIZE: BF38



METRIC OUTPUT SHAFT



METRIC INPUT SHAFT



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF38

Separate - Flange Mounted (B5 / B14)

Triple Reduction

Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
1.000	+0.0000 -0.0005	1.11	1.97	-	1/4 x 1/4 x 1-5/8	3/8-16 UNC x 0.87	4.33
25	+0.015 +0.002	28	50	5	8 x 7 x 40	M10 x 22	110

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
1.375	+0.0000 -0.0005	1.52	2.76	-	5/16 x 5/16 x 2-3/8	3/8-16 UNC x 0.87	5.12
35	+0.018 +0.002	38	70	5	10 x 8 x 56	M12 x 28	130

SEPARATE INPUT

Dimension - Inch/MM

	C	ZC	FO	FM x Depth	ØFU	tol.	FV	YA	YB	Key
71	15.16	5.95	---	8-32 UNC x 0.49	0.625	+0.0000 -0.0005	1.57	2.40	0.16	3/16 x 3/16 x 1-5/16
	385	151	4	M5 x 12.5	16	+0.012 +0.001	40			5 x 5 x 32
80	16.54	7.33	---	1/4-20 UNC x 0.63	0.750	+0.0000 -0.0005	1.57	2.40	0.16	3/16 x 3/16 x 1-5/16
	420	186	4	M6 x 16	19	+0.015 +0.002	40			6 x 6 x 32
90	16.93	7.72	---	5/16-18 UNC x 0.75	0.875	+0.0000 -0.0005	1.97	2.80	0.16	3/16 x 3/16 x 1-5/8
	430	196	5	M8 x 19	24	+0.015 +0.002	50			8 x 7 x 40
100	17.56	8.35	---	3/8-16 UNC x 0.87	1.125	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	4.46	212	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50

Refer to page Engineering-4 for Input Flange and Shaft details

NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS

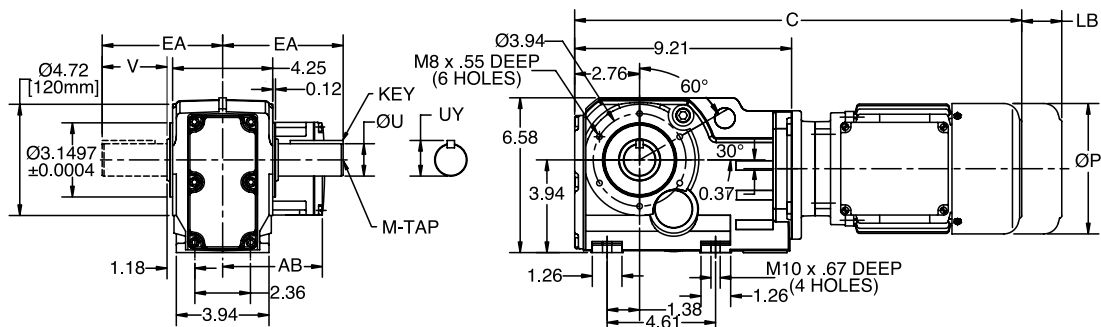


RIGHT ANGLE HELICAL BEVEL (RHB)

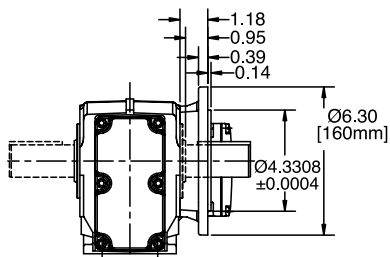
Integral Gearmotor - Flange Mounted (B5 / B14)

**Triple Reduction
Solid Output Shaft**

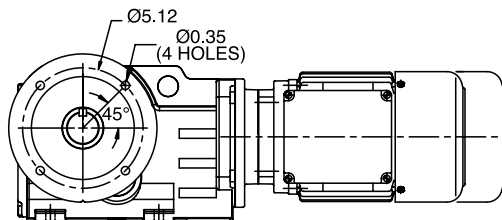
SIZE: BF38



**B14 OUTPUT FLANGE -
Ø120mm**



B5 OUTPUT FLANGE - Ø160mm



METRIC OUTPUT SHAFT



NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB) Integral Gearmotor - Flange Mounted (B5 / B14) Triple Reduction Solid Output Shaft

SIZE: BF38

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
1.000	+0.0000 -0.0005	1.11	1.97	-	1/4 x 1/4 x 1-5/8	3/8-16 UNC x 0.87	4.33
25	+0.015 +0.002	28	50	7	8 x 7 x 40	M10 x 22	110

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
1.375	+0.0000 -0.0005	1.52	2.76	-	5/16 x 5/16 x 2-3/8	3/8-16 UNC x 0.87	5.12
35	+0.018 +0.002	38	70	5	10 x 8 x 56	M12 x 28	130

MOTOR

Dimension - Inch/MM

Frame	C	LB	P	AB
71C4 / 71D4 / 71E4	19.76	1.81	6.19	5.18
	502	46	158	132
80F4	19.9	2.56	6.19	5.12
	506	65	158	131
80G4	21.4	2.56	6.19	5.12
	544	65	158	131
90H4	21.33	2.52	7.19	5.79
	542	64	183	148
90I4	22.21	2.52	7.19	5.79
	565	64	183	148
100J4	24.21	2.91	7.19	5.79
	615	74	183	148

DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF38

NEMA C-Face - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled

Triple Reduction

Straight Hollow Bore Output Shaft

HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
1.250	+0.0010 +0.0004	1.38	1.47	1/4 x 1/4 x 1-7/8	3/8-16 x 1-3/4 UNC
30	+0.020 +0.007	33	31	8 x 7 x 40	M10 x 40

NEMA MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YA	YB	YC
56C	12.71	3.50	0.47	0.20	0.67
140TC	13.38	4.17	0.47	0.20	0.67
180TC	13.70	4.49	0.69	0.22	0.93

NEMA MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YA	YB	YC
56C	15.80	6.59	0.55	0.20	1.08
140TC	17.22	8.01	0.55	0.20	1.10

Refer to page Engineering-2 for Input Shaft and Flange details.

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-350 for Twin Tapered Bushing details.

QUANTIS

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RHB

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NOMENCLATURE
PAGE RHB-5

MOUNTING POSITIONS
PAGE RHB-11

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PAGE RHB-50

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PAGE RHB-372

DIMENSIONS



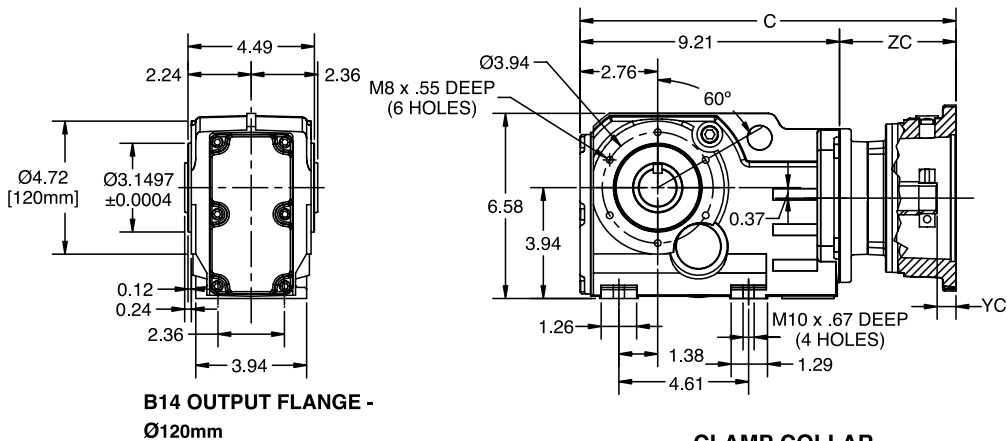
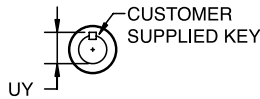
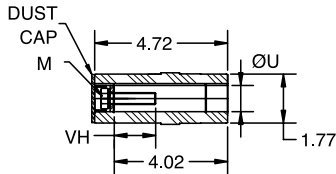
RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF38

IEC D Flange (B5 Input) - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled

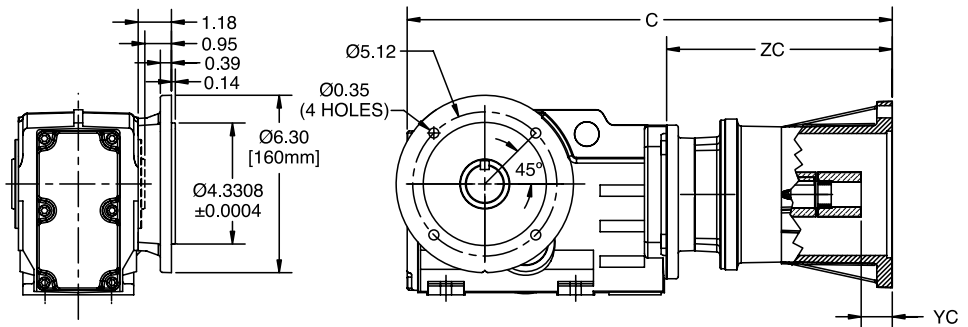
Triple Reduction

Straight Hollow Bore Output Shaft



B14 OUTPUT FLANGE -
Ø120mm

CLAMP COLLAR



B5 OUTPUT FLANGE -
Ø160mm

THREE-PIECE COUPLED

DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF38

IEC D Flange (B5 Input) - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled
Triple Reduction

Straight Hollow Bore Output Shaft

HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
1.250	+0.0010 +0.0004	1.38	1.47	1/4 x 1/4 x 1-7/8	3/8-16 x 1-3/4 UNC
30	+0.020 +0.007	33	31	8 x 7 x 40	M10 x 40

IEC MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YC
71D	11.97	2.76	0.16
80D	12.91	3.70	0.61
90D	12.91	3.70	0.61
100D	13.21	4.00	0.28

IEC MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YC
80D	17.14	7.93	0.59
90D	17.14	7.93	1.02
100D	18.03	8.82	1.18

Refer to page Engineering-3 for Input Flange and Shaft details.

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-350 for Twin Tapered Bushing details.

QUANTIS

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NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS



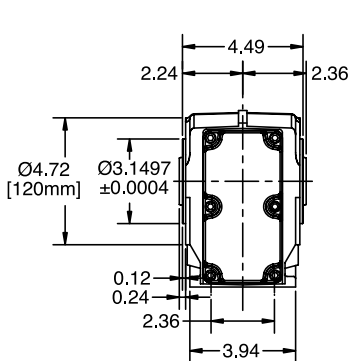
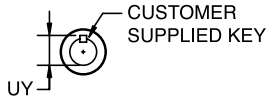
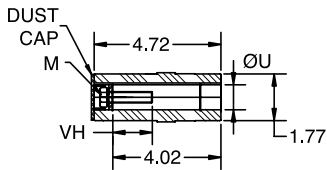
RIGHT ANGLE HELICAL BEVEL (RHB)

Separate - Flange Mounted (B5 / B14)

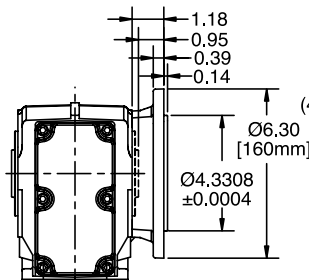
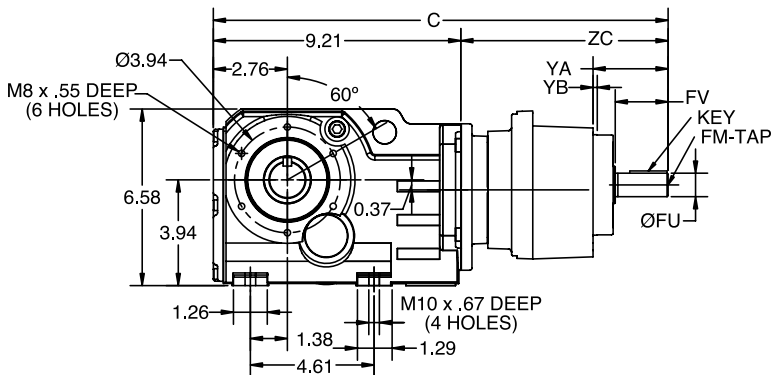
Triple Reduction

Straight Hollow Bore Output Shaft

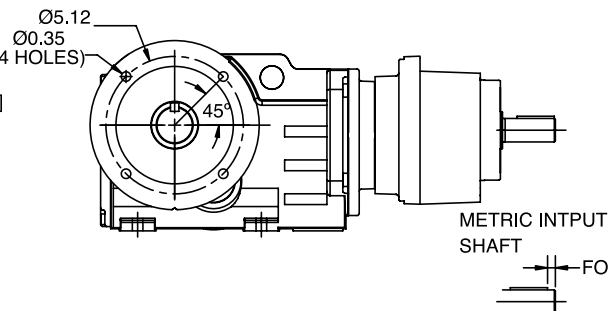
SIZE: BF38



B14 OUTPUT FLANGE -
Ø120mm



B5 OUTPUT FLANGE -
Ø160mm



DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF38

Separate - Flange Mounted (B5 / B14)

Triple Reduction

Straight Hollow Bore Output Shaft

HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
1.250	+0.0010 +0.0004	1.38	1.47	1/4 x 1/4 x 1-7/8	3/8-16 x 1-3/4 UNC
30	+0.020 +0.007	33	31	8 x 7 x 40	M10 x 40

SEPARATE INPUT

Dimension - Inch/MM

	C	ZC	FO	FM x Depth	ØFU	tol.	FV	YA	YB	Key
71	15.16	5.95	---	8-32 UNC x 0.49	0.625	+0.0000 -0.0005	1.57	2.40	0.16	3/16 x 3/16 x 1-5/16
	385	151	4	M5 x 12.5	16	+0.012 +0.001	40			5 x 5 x 32
80	16.54	7.33	---	1/4-20 UNC x 0.63	0.750	+0.0000 -0.0005	1.57	2.40	0.16	3/16 x 3/16 x 1-5/16
	420	186	4	M6 x 16	19	+0.015 +0.002	40			6 x 6 x 32
90	16.93	7.72	---	5/16-18 UNC x 0.75	0.875	+0.0000 -0.0005	1.97	2.80	0.16	3/16 x 3/16 x 1-5/8
	430	196	5	M8 x 19	24	+0.015 +0.002	50			8 x 7 x 40
100	17.56	8.35	---	3/8-16 UNC x 0.87	1.125	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	446	212	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50

Refer to page Engineering-4 for Input Flange and Shaft details

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-350 for Twin Tapered Bushing details.

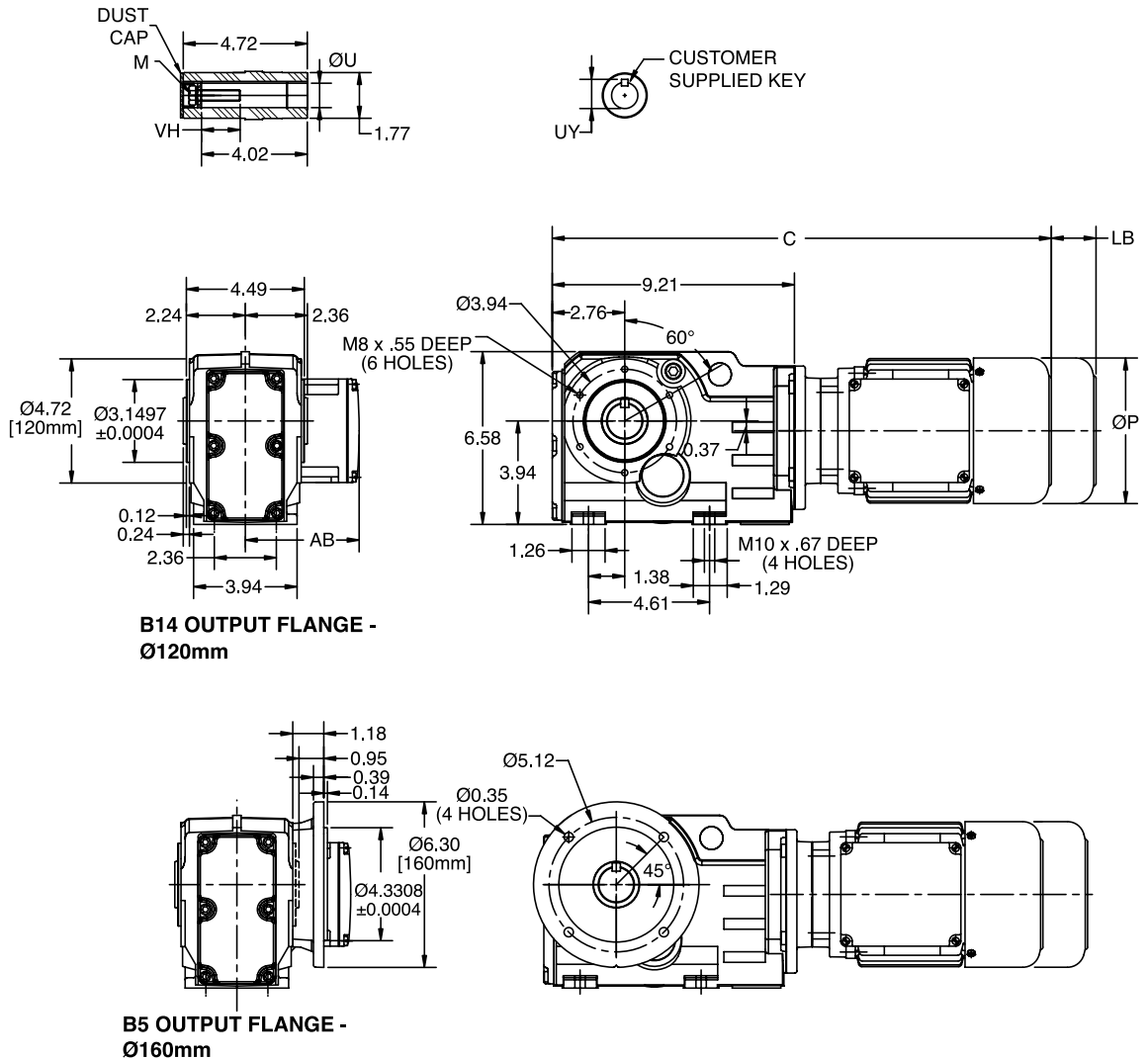
NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB) Integral Gearmotor - Flange Mounted (B5 / B14) Triple Reduction Straight Hollow Bore Output Shaft

SIZE: BF38



NOMENCLATURE
PAGE RHB-5

MOUNTING POSITIONS
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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB) Integral Gearmotor - Flange Mounted (B5 / B14) Triple Reduction Straight Hollow Bore Output Shaft

SIZE: BF38

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
1.250	+0.0010 +0.0004	1.38	1.47	1/4 x 1/4 x 1-7/8	3/8-16 x 1-3/4 UNC
30	+0.020 +0.007	33	31	8 x 7 x 40	M10 x 40

MOTOR

Dimension - Inch/MM

Frame	C	LB	P	AB
71C4 / 71D4 / 71E4	19.76	1.81	6.19	5.18
	502	46	158	132
80F4	19.9	2.56	6.19	5.12
	506	65	158	131
80G4	21.4	2.56	6.19	5.12
	544	65	158	131
90H4	21.33	2.52	7.19	5.79
	542	64	183	148
90I4	22.21	2.52	7.19	5.79
	565	64	183	148
100J4	24.21	2.91	7.19	5.79
	615	74	183	148

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.
Refer to page RHB-350 for Twin Tapered Bushing details.

QUANTIS

QUANTIS GOLD

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RHB

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NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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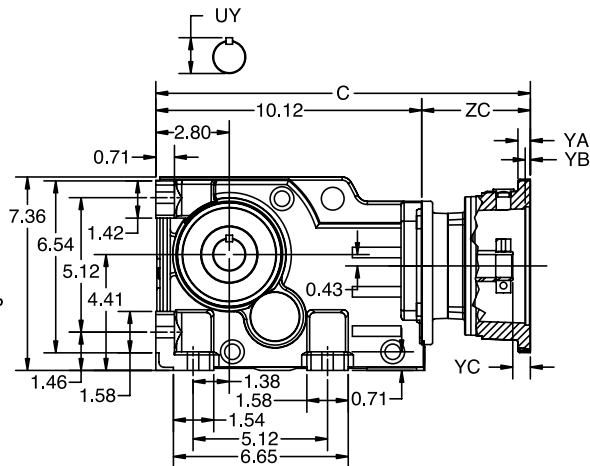
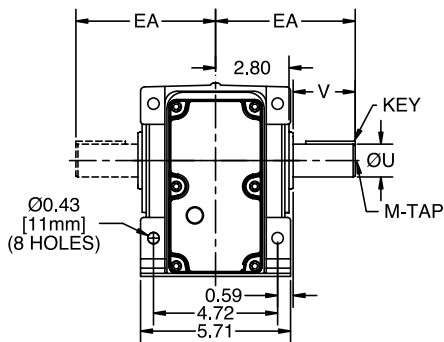
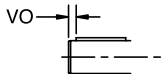
DIMENSIONS



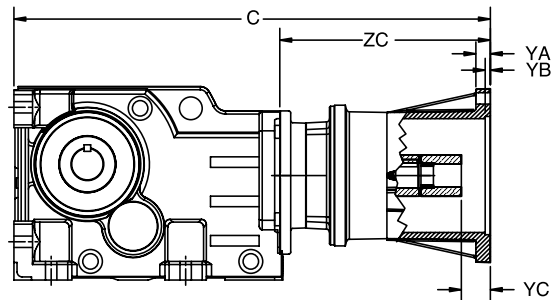
RIGHT ANGLE HELICAL BEVEL (RHB) NEMA C-Face - Foot Mounted - Clamp Collar / 3 Piece Coupled Triple Reduction Solid Output Shaft

SIZE: BB48

METRIC OUTPUT



CLAMP COLLAR



THREE-PIECE COUPLED

NOMENCLATURE
PAGE RHB-5

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PAGE RHB-11

STOCK/NON-STOCK PART NUMBERS
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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB) NEMA C-Face - Foot Mounted - Clamp Collar / 3 Piece Coupled Triple Reduction Solid Output Shaft

SIZE: BB48

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
1.250	+0.0000 -0.0005	1.37	2.36	-	1/4 x 1/4 x 1-7/8	3/8-16 UNC x 0.87	5.31
30	+0.015 +0.002	33	60	4	8 x 7 x 50	M10 x 22	135

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
1.625	+0.0000 -0.0010	1.80	3.15	-	3/8 x 3/8 x 2-5/8	5/8-11 UNC x 1.42	6.10
40	+0.018 +0.002	43	80	5	12 x 8 x 70	M16 x 36	155

NEMA MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YA	YB	YC
56C	13.62	3.50	0.47	0.20	0.67
140TC	14.29	4.17	0.47	0.20	0.67
180TC	14.61	4.49	0.69	0.22	0.93

NEMA MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YA	YB	YC
56C	16.71	6.59	0.55	0.20	1.08
140TC	18.13	8.01	0.55	0.20	1.10

Refer to page Engineering-2 for Input Flange and Shaft details.

QUANTIS

QUANTIS GOLD

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RHB

MSM

DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

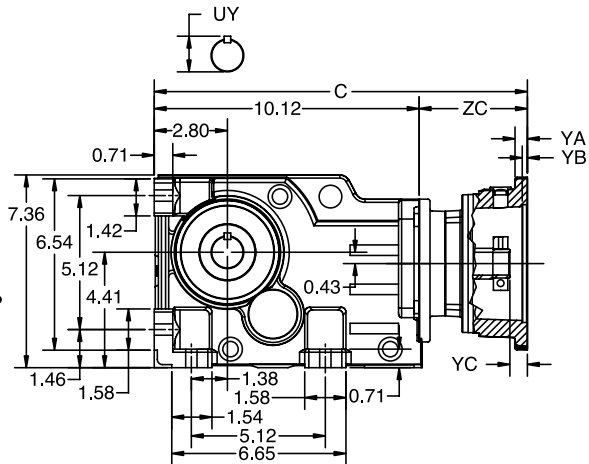
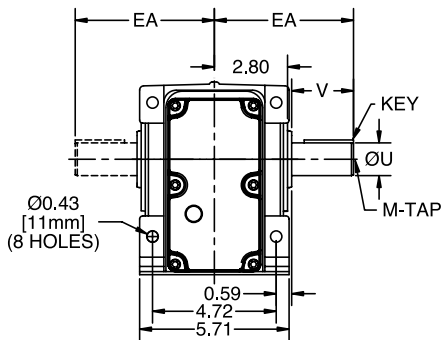
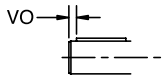
IEC D Flange (B5 Input) - Foot Mounted - Clamp Collar / 3 Piece Coupled

Triple Reduction

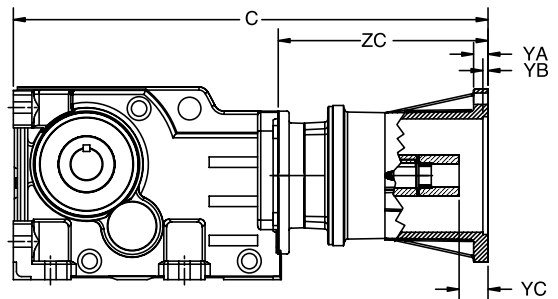
Solid Output Shaft

SIZE: BB48

METRIC OUTPUT



CLAMP COLLAR



THREE-PIECE COUPLED

NOMENCLATURE
PAGE RHB-5

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PAGE RHB-11

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PAGE RHB-372

DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB48

IEC D Flange (B5 Input) - Foot Mounted - Clamp Collar / 3 Piece Coupled
Triple Reduction
Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
1.250	+0.0000 -0.0005	1.37	2.36	-	1/4 x 1/4 x 1-7/8	3/8-16 UNC x 0.87	5.31
30	+0.015 +0.002	33	60	4	8 x 7 x 50	M10 x 22	135

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
1.625	+0.0000 -0.0010	1.80	3.15	-	3/8 x 3/8 x 2-5/8	5/8-11 UNC x 1.42	6.10
40	+0.018 +0.002	43	80	5	12 x 8 x 70	M16 x 36	155

IEC MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YC
71D	12.88	2.76	0.16
80D	13.82	3.70	0.61
90D	13.82	3.70	0.61
100D	14.12	4.00	0.28

IEC MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YC
80D	18.05	7.93	0.59
90D	18.05	7.93	1.02
100D	18.94	8.82	1.18

Refer to page Engineering-3 for Input Flange and Shaft details.

QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

DIMENSIONS



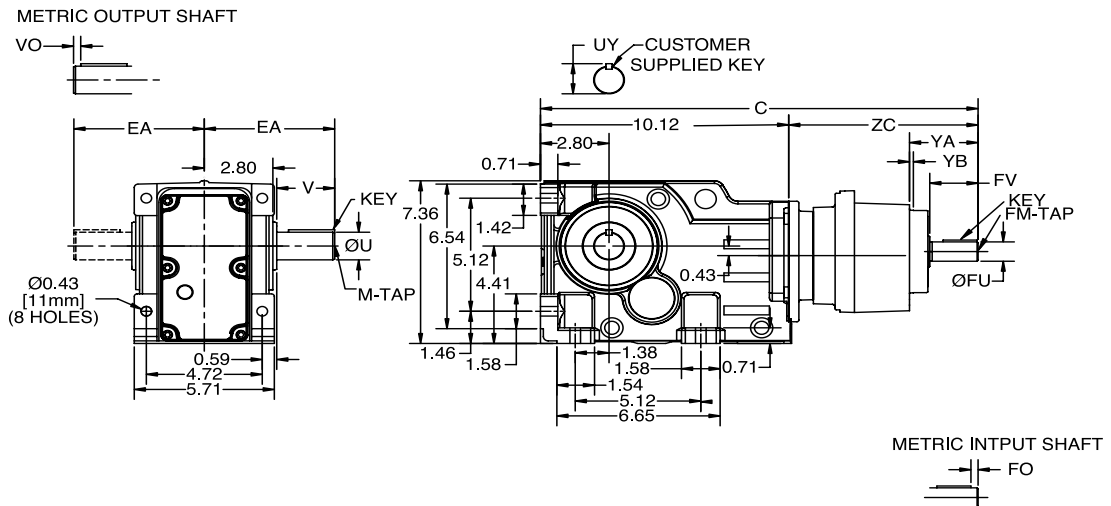
RIGHT ANGLE HELICAL BEVEL (RHB)

Separate - Foot Mounted

Triple Reduction

Solid Output Shaft

SIZE: BB48



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB48

Separate - Foot Mounted

Triple Reduction

Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
1.250	+0.0000 -0.0005	1.37	2.36	-	1/4 x 1/4 x 1-7/8	3/8-16 UNC x 0.87	5.31
30	+0.015 +0.002	33	60	4	8 x 7 x 50	M10 x 22	135

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
1.625	+0.0000 -0.0010	1.80	3.15	-	3/8 x 3/8 x 2-5/8	5/8-11 UNC x 1.42	6.10
40	+0.018 +0.002	43	80	5	12 x 8 x 70	M16 x 36	155

SEPARATE INPUT

Dimension - Inch/MM

	C	ZC	F0	FM x Depth	ØFU	tol.	FV	YA	YB	Key
71	16.06	5.94	---	8-32 UNC x 0.49	0.625	+0.0000 -0.0005	1.57	2.40	0.16	3/16 x 3/16 x 1-5/16
	408	151	4	M5 x 12.5	16	+0.012 +0.001	40			5 x 5 x 32
80	17.45	7.33	---	1/4 -20 UNC x 0.63	0.750	+0.0000 -0.0005	1.57	2.40	0.16	3/16 x 3/16 x 1-5/16
	443	186	4	M6 x 16	19	+0.015 +0.002	40			6 x 6 x 32
90	17.84	7.72	---	5/16-18 UNC x 0.75	0.875	+0.0000 -0.0005	1.97	2.80	0.16	3/16 x 3/16 x 1-5/8
	453	196	5	M8 x 19	24	+0.015 0.002	50			8 x 7 x 40
100	18.47	8.35	---	3/8-16 UNC x 0.87	1.125	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	469	212	5	M10 x 22	28	+0.015 -0.002	60			8 x 7 x 50

Refer to page Engineering-4 for Input Flange and Shaft details.

NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

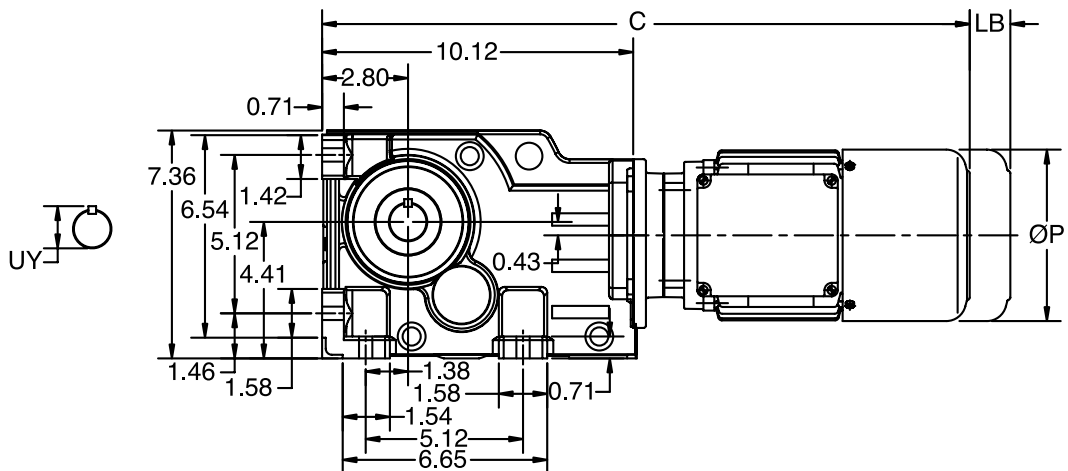
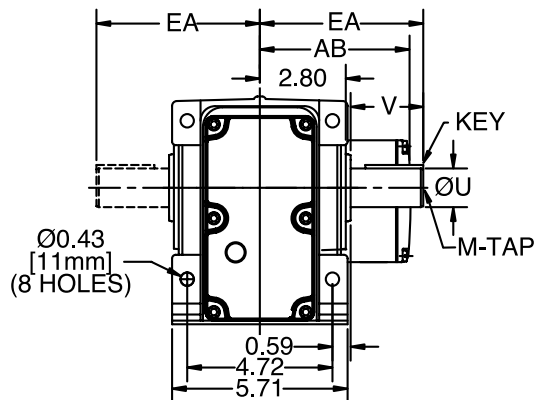
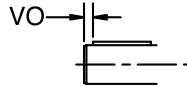
Integral Gearmotor - Foot Mounted

Triple Reduction

Solid Output Shaft

SIZE: BB48

METRIC OUTPUT SHAFT



NOMENCLATURE
PAGE RHB-5

MOUNTING POSITIONS
PAGE RHB-11

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PAGE RHB-50

WEIGHTS
PAGE RHB-372

DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB48

Integral Gearmotor - Foot Mounted

Triple Reduction

Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
1.250	+0.0000 -0.0005	1.37	2.36	-	1/4 x 1/4 x 1-7/8	3/8-16 UNC x 0.87	5.31
30	+0.015 +0.002	33	60	7	8 x 7 x 50	M10 x 22	135

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
1.625	+0.0000 -0.0010	1.80	3.15	-	3/8 x 3/8 x 2-5/8	5/8-11 UNC x 1.42	6.10
40	+0.018 +0.002	43	80	5	12 x 8 x 70	M16 x 36	155

MOTOR

Dimension - Inch/MM

Frame	C	LB	P	AB
71C4 / 71D4 / 71E4	20.66	1.81	6.19	5.18
	525	46	158	132
80F4	20.81	2.56	6.19	5.12
	529	65	158	131
80G4	22.36	2.56	6.19	5.12
	568	65	158	131
90H4	22.23	2.52	7.19	5.79
	565	64	183	148
90I4	23.12	2.52	7.19	5.79
	588	64	183	148
100J4	25.12	2.91	7.19	5.79
	639	74	183	148

NOMENCLATURE
PAGE RHB-5

MOUNTING POSITIONS
PAGE RHB-11

STOCK/NON-STOCK PART NUMBERS
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WEIGHTS
PAGE RHB-372

DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB) NEMA C-Face - Foot Mounted - Clamp Collar / 3 Piece Coupled Triple Reduction Straight Hollow Bore Output Shaft

SIZE: BB48

HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
1.375	+0.0010 +0.0004	1.53	1.45	5/16 x 5/16 x 2-3/16	3/8 x16 x 1-3/4 UNC
35	+0.025 +0.009	38	43	10 x 8 x 45	M12 x 50

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - MM

ØU	tol.	UY	VH	KEY	M
40	+0.025 +0.009	43.3	48	12 x 8 x 50	M16 x 60

NEMA MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YA	YB	YC
56C	13.62	3.50	0.47	0.20	0.67
140TC	14.29	4.17	0.47	0.20	0.67
180TC	14.61	4.49	0.69	0.22	0.93

NEMA MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YA	YB	YC
56C	16.71	6.59	0.55	0.20	1.08
140TC	18.13	8.01	0.55	0.20	1.10

Refer to page Engineering-2 for Input Flange and Shaft details.
Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.
Refer to page RHB-351 for Twin Tapered Bushing details.

QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS



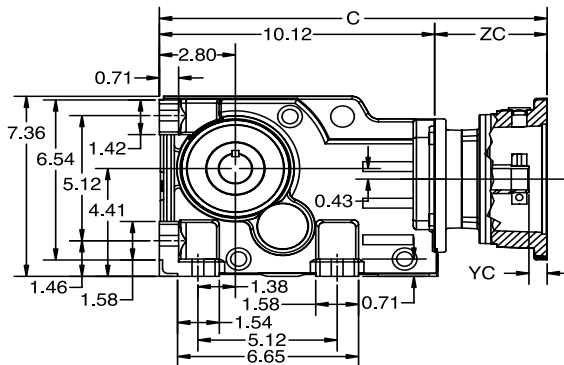
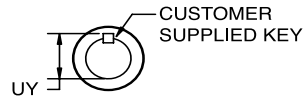
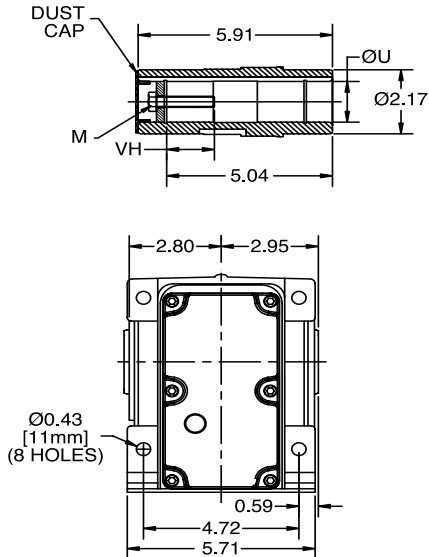
RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB48

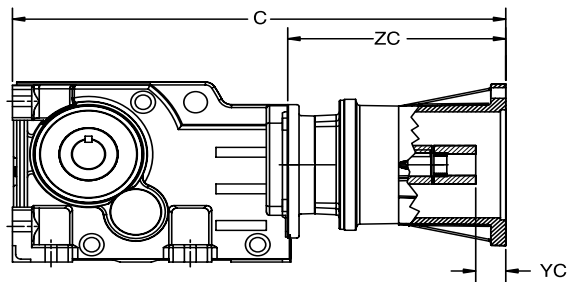
IEC D Flange (B5 Input) - Foot Mounted - Clamp Collar / 3 Piece Coupled

Triple Reduction

Straight Hollow Bore Output Shaft



CLAMP COLLAR



THREE-PIECE COUPLED

NOMENCLATURE
PAGE RHB-5

MOUNTING POSITIONS
PAGE RHB-11

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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB48

IEC D Flange (B5 Input) - Foot Mounted - Clamp Collar / 3 Piece Coupled

Triple Reduction

Straight Hollow Bore Output Shaft

HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
1.375	+0.0010 +0.0004	1.53	1.45	5/16 x 5/16 x 2-3/16	3/8 x16 x 1-3/4 UNC
35	+0.025 +0.009	38	43	10 x 8 x 45	M12 x 50

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - MM

ØU	tol.	UY	VH	KEY	M
40	+0.025 +0.009	43.3	48	12 x 8 x 50	M16 x 60

IEC MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YC
71D	12.88	2.76	0.16
80D	13.82	3.70	0.61
90D	13.82	3.70	0.61
100D	14.12	4.00	0.28

IEC MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YC
80D	18.05	7.93	0.59
90D	18.05	7.93	1.02
100D	18.94	8.82	1.18

Refer to page Engineering-3 for Input Flange and Shaft details.

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-351 for Twin Tapered Bushing details.

QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS



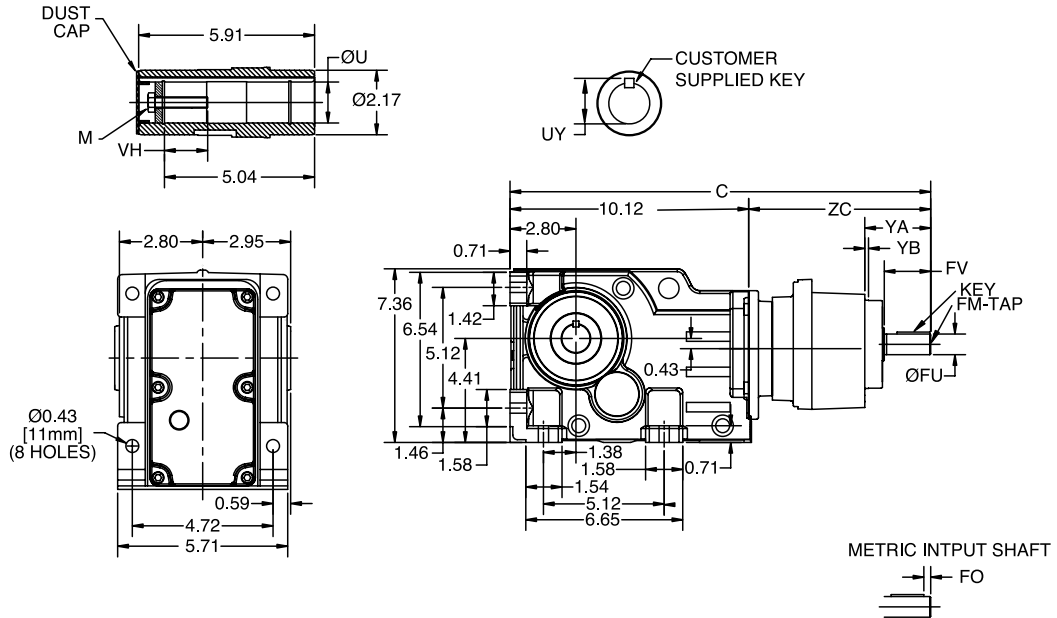
RIGHT ANGLE HELICAL BEVEL (RHB)

Separate - Foot Mounted

Triple Reduction

Straight Hollow Bore Output Shaft

SIZE: BB48



DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB48

Separate - Foot Mounted

Triple Reduction

Straight Hollow Bore Output Shaft

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
1.375	+0.0010 +0.0004	1.52	1.45	5/16 x 5/16 x 2-3/16	3/8-16 x 1-3/4 UNC
35	+0.025 +0.009	38	43	10 x 8 x 45	M12 x 50

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - MM

ØU	tol.	UY	VH	KEY	M
40	+0.025 +0.009	43.3	48	12 X 8 X 50	M16 x 60

SEPARATE INPUT

Dimension - Inch/MM

	C	ZC	F0	FM x Depth	ØFU	tol.	FV	YA	YB	Key
71	16.06	5.94	---	8-32 UNC x 0.49	0.625	+0.0000 -0.0005	1.57	2.40	0.16	3/16 x 3/16 x 1-5/16
	408	151	4	M5 x 12.5	16	+0.012 +0.001	40			5 x 5 x 32
80	17.45	7.33	---	1/4 -20 UNC x 0.63	0.750	+0.0000 -0.0005	1.57	2.40	0.16	3/16 x 3/16 x 1-5/16
	443	186	4	M6 x 16	19	+0.015 +0.002	40			6 x 6 x 32
90	17.84	7.72	---	5/16-18 UNC x 0.75	0.875	+0.0000 -0.0005	1.97	2.80	0.16	3/16 x 3/16 x 1-5/8
	453	196	5	M8 x 19	24	+0.015 0.002	50			8 x 7 x 40
100	18.47	8.35	---	3/8-16 UNC x 0.87	1.125	+0.0000 +0.015	2.36	3.27	0.16	1/4 x 1/4 x 2
	469	212	5	M10 x 22	28	-0.002	60			8 x 7 x 50

Refer to page Engineering-4 for Input Flange and Shaft details.

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-351 for Twin Tapered Bushing details.

NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS



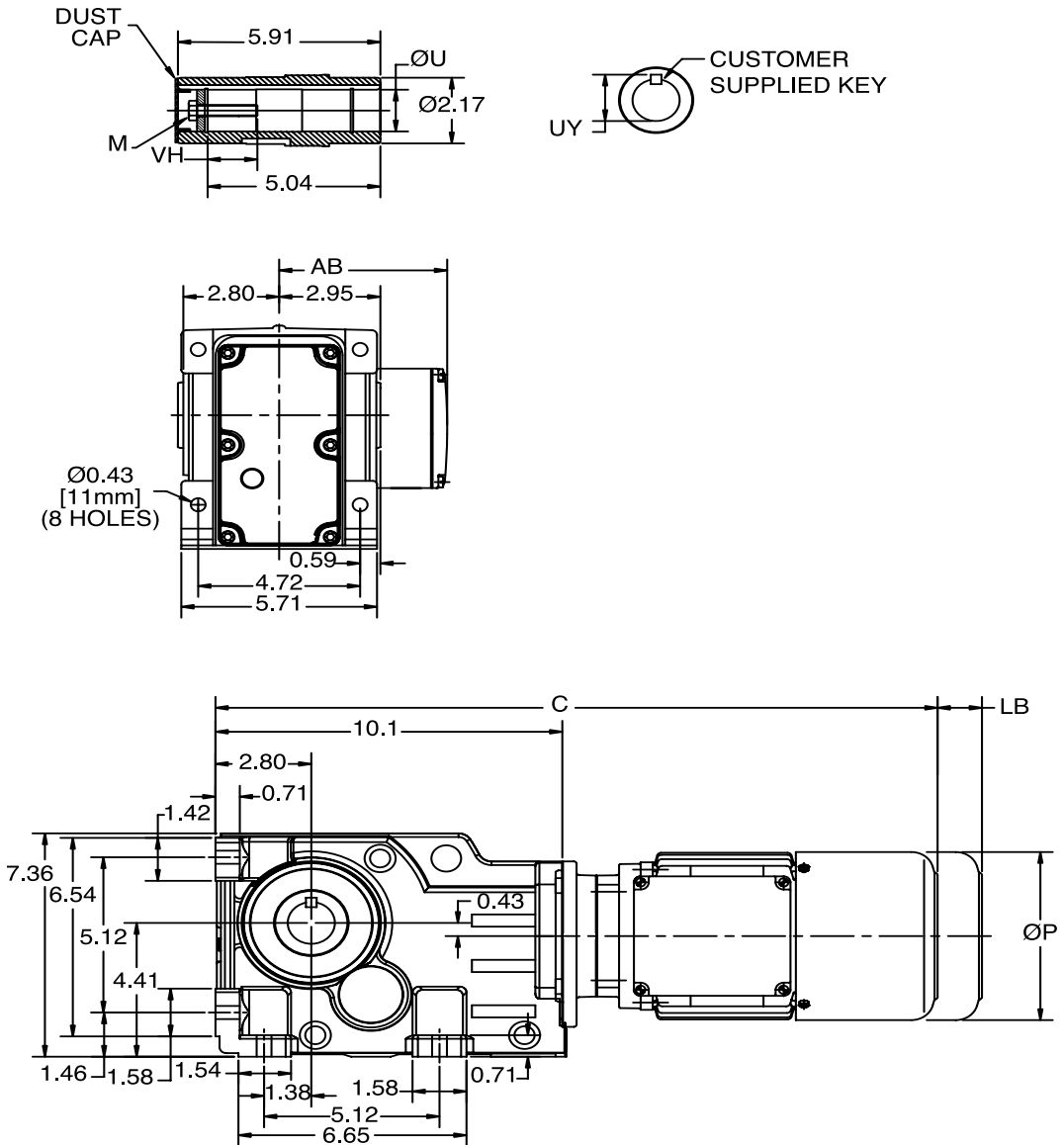
RIGHT ANGLE HELICAL BEVEL (RHB)

Integral Gearmotor - Foot Mounted

Triple Reduction

Straight Hollow Bore Output Shaft

SIZE: BB48



NOMENCLATURE
PAGE RHB-5

MOUNTING POSITIONS
PAGE RHB-11

STOCK/NON-STOCK PART NUMBERS
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WEIGHTS
PAGE RHB-372

DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB48

Integral Gearmotor - Foot Mounted

Triple Reduction

Straight Hollow Bore Output Shaft

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
1.375	+0.0010 +0.0004	1.52	1.45	5/16 x 5/16 x 2-3/16	3/8-16 x 1-3/4 UNC
35	+0.025 +0.009	38	43	10 x 8 x 45	M12 x 50

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - MM

ØU	tol.	UY	VH	KEY	M
40	+0.025 +0.009	43.3	48	12 x 8 x 50	M16 x 60

MOTOR

Dimension - Inch/MM

Frame	C	LB	P	AB
71C4 / 71D4 / 71E4	20.66	1.81	6.19	5.18
	525	46	158	132
80F4	20.81	2.56	6.19	5.12
	529	65	158	131
80G4	22.36	2.56	6.19	5.12
	568	65	158	131
90H4	22.23	2.52	7.19	5.79
	565	64	183	148
90I4	23.12	2.52	7.19	5.79
	588	64	183	148
100J4	25.12	2.91	7.19	5.79
	639	74	183	148

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-350 for Twin Tapered Bushing details.

NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS



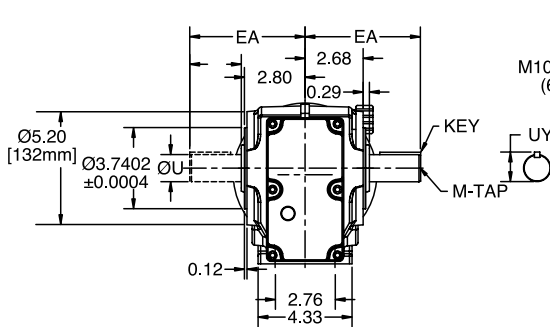
RIGHT ANGLE HELICAL BEVEL (RHB)

NEMA C-Face - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled

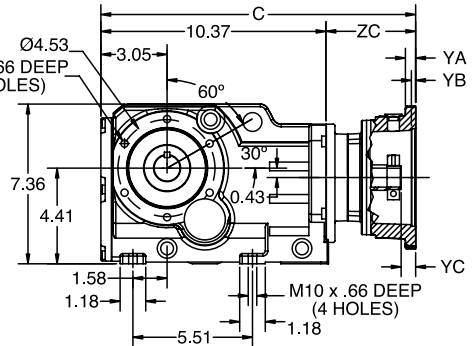
Triple Reduction

Solid Output Shaft

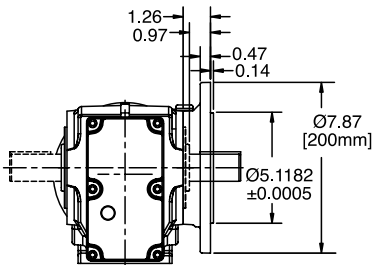
SIZE: BF48



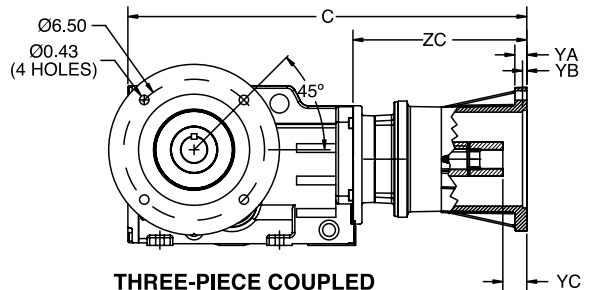
**B14 OUTPUT FLANGE -
Ø132mm**



COLLAR CLAMP

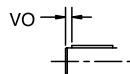


**B5 OUTPUT FLANGE -
Ø200mm**



THREE-PIECE COUPLED

METRIC OUPUT SHAFT



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF48

NEMA C-Face - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled
Triple Reduction
Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
1.250	+0.0000 -0.0005	137	2036	-	1/4 x 1/4 x 1-7/8	3/8-16 UNC x 0.87	5.31
30	+0.015 +0.002	33	60	4	8 x 7 x 50	M10 x 22	135

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
1.625	+0.0000 -0.0010	1.80	3.15	-	3/8 x 3/8 x 2-5/8	5/8-11 UNC x 1.42	6.10
40	+0.018 +0.002	43	80	5	12 x 8 x 70	M16 x 36	155

NEMA MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YA	YB	YC
56C	13.87	3.50	0.47	0.20	0.67
140TC	14.54	4.17	0.47	0.20	0.67
180TC	14.86	4.49	0.69	0.22	0.93

NEMA MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YA	YB	YC
56C	16.97	6.59	0.55	0.20	1.08
140TC	18.39	8.01	0.55	0.20	1.10

Refer to page Engineering-2 for Input Flange and Shaft details.

NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS



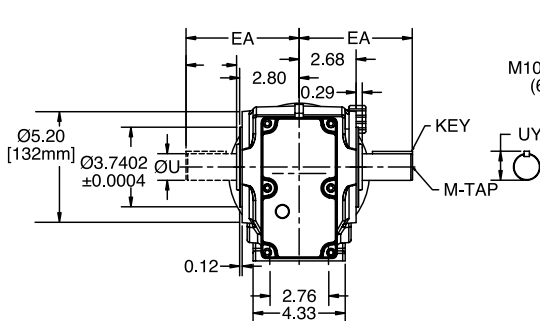
RIGHT ANGLE HELICAL BEVEL (RHB)

IEC D Flange (B5 Input) - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled

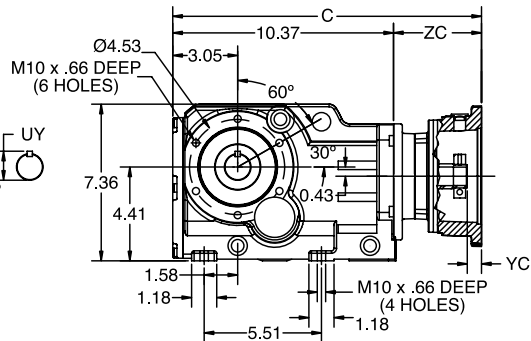
Triple Reduction

Solid Output Shaft

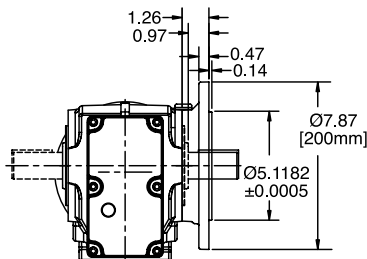
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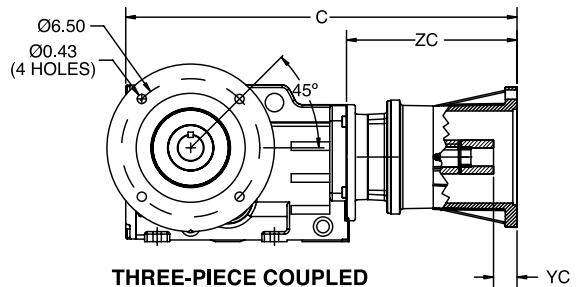
**B14 OUTPUT FLANGE -
Ø132mm**



COLLAR CLAMP

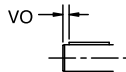


**B5 OUTPUT FLANGE -
Ø200mm**



THREE-PIECE COUPLED

METRIC OUPUT SHAFT



DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF48

IEC D Flange (B5 Input) - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled
Triple Reduction
Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
1.250	+0.0000 -0.0005	137	2036	-	1/4 x 1/4 x 1-7/8	3/8-16 UNC x 0.87	5.31
30	+0.015 +0.002	33	60	4	8 x 7 x 50	M10 x 22	135

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
1.625	+0.0000 -0.0010	1.80	3.15	-	3/8 x 3/8 x 2-5/8	5/8-11 UNC x 1.42	6.10
40	+0.018 +0.002	43	80	5	12 x 8 x 70	M16 x 36	155

IEC MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YC
71D	13.13	2.76	0.16
80D	14.07	3.70	0.61
90D	14.07	3.70	0.61
100D	14.37	4.00	0.28

IEC MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YC
80D	18.30	7.93	0.59
90D	18.30	7.93	1.02
100D	19.19	8.82	1.18

Refer to page Engineering-3 for Input Flange and Shaft details.

QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

DIMENSIONS



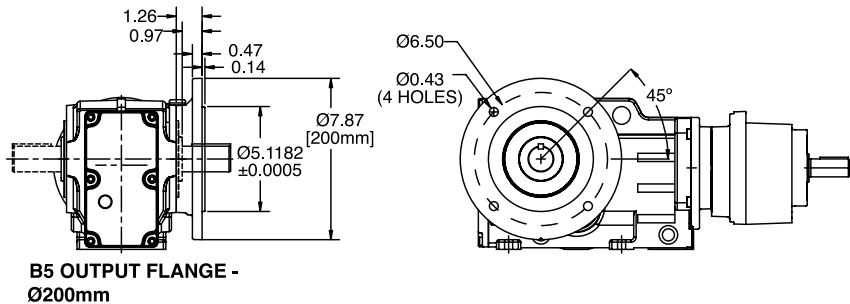
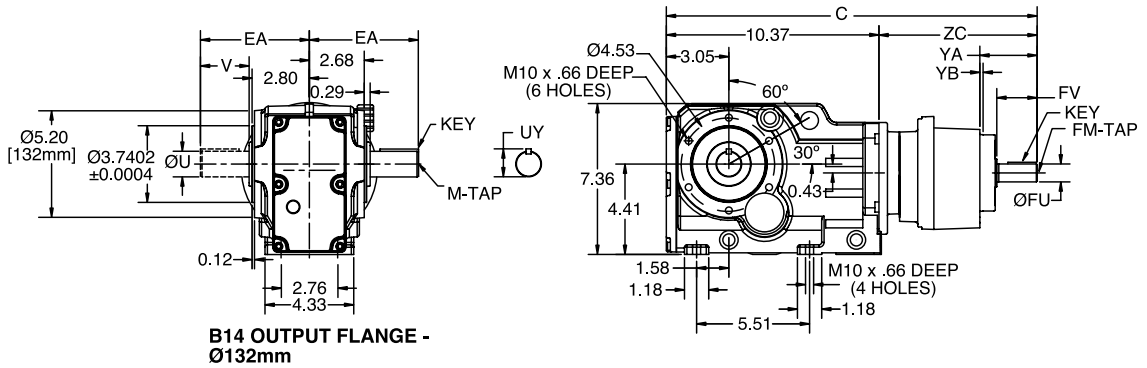
RIGHT ANGLE HELICAL BEVEL (RHB)

Separate - Flange Mounted (B5 / B14)

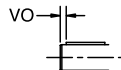
Triple Reduction

Solid Output Shaft

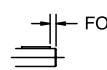
SIZE: BF48



METRIC OUPUT SHAFT



METRIC INPUT SHAFT



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF48

Separate - Flange Mounted (B5 / B14)

Triple Reduction

Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
1.250	+0.0000 -0.0005	137	2036	-	1/4 x 1/4 x 1-7/8	3/8-16 UNC x 0.87	5.31
30	+0.015 +0.002	33	60	4	8 x 7 x 50	M10 x 22	135

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
1.625	+0.0000 -0.0010	1.80	3.15	-	3/8 x 3/8 x 2-5/8	5/8-11 UNC x 1.42	6.10
40	+0.018 +0.002	43	80	5	12 x 8 x 70	M16 x 36	155

SEPARATE INPUT

Dimension - Inch/MM

	C	ZC	F0	FM x Depth	ØFU	tol.	FV	YA	YB	Key
71	16.31	5.94	---	8-32 UNC x 0.49	0.625	+0.0000 -0.0005	1.57	2.40	0.16	3/16 x 3/16 x 1-5/16
	415	151	4	M5 x 12.5	16	+0.012 +0.001	40			5 x 5 x 32
80	17.70	7.33	---	1/4 -20 UNC x 0.63	0.750	+0.0000 -0.0005	1.57	2.40	0.16	3/16 x 3/16 x 1-5/16
	450	186	4	M6 x 16	19	+0.015 +0.002	40			6 x 6 x 32
90	18.09	7.72	---	5/16-18 UNC x 0.75	0.875	+0.0000 -0.0005	1.97	280	0.16	3/16 x 3/16 x 1-5/8
	460	196	5	M8 x 19	24	+0.015 0.002	50			8 x 7 x 40
100	18.72	8.35	---	3/8-16 UNC x 0.87	1.125	+0.0000 +0.015	2.36	3.27	0.16	1/4 x 1/4 x 2
	476	212	5	M10 x 22	28	-0.002	60			8 x 7 x 50

Refer to page Engineering-4 for Input Flange and Shaft details.

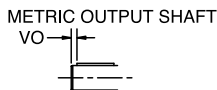
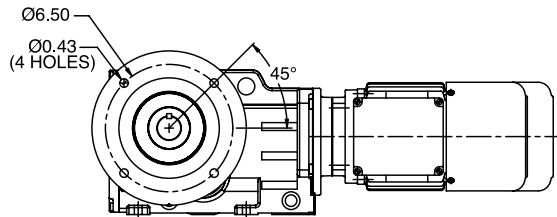
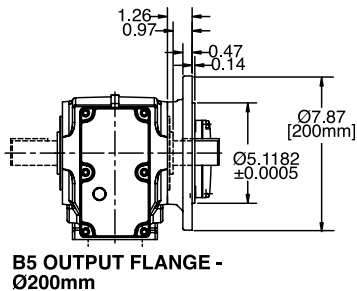
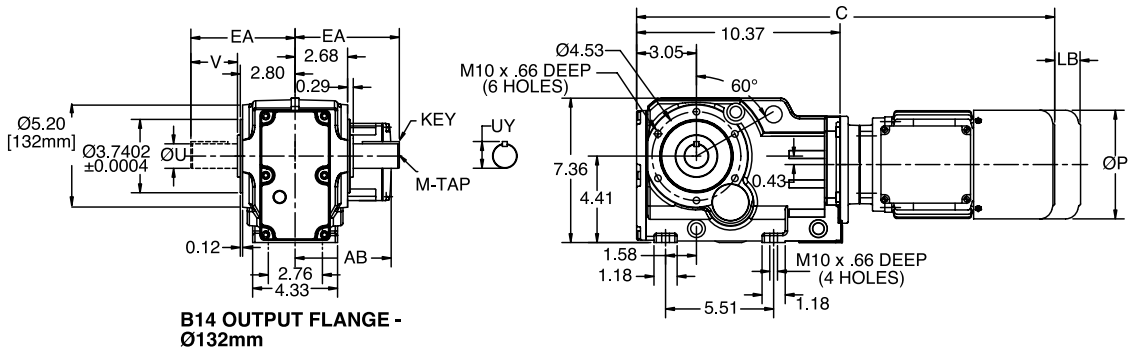
NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB) Integral Gearmotor - Flange Mounted (B5 / B14) Triple Reduction Solid Output Shaft

SIZE: BF48



DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB) Integral Gearmotor - Flange Mounted (B5 / B14) Triple Reduction Solid Output Shaft

SIZE: BF48

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
1.250	+0.0000 -0.0005	1.37	2.36	-	1/4 x 1/4 x 1-7/8	3/8-16 UNC x 0.87	5.31
30	+0.015 +0.002	33	60	7	8 x 7 x 50	M10 x 22	135

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
1.625	+0.0000 -0.0010	1.80	3.15	-	3/8 x 3/8 x 2-5/8	5/8-11 UNC x 1.42	6.10
40	+0.018 +0.002	43	80	5	12 x 8 x 70	M16 x 36	155

MOTOR

Dimension - Inch/MM

Frame	C	LB	P	AB
71C4 / 71D4 / 71E4	20.92	1.81	6.19	5.18
	532	46	158	132
80F4	21.06	2.56	6.19	5.12
	535	65	158	131
80G4	22.56	2.56	6.19	5.12
	574	65	158	131
90H4	22.49	2.52	7.19	5.79
	572	64	183	148
90I4	23.37	2.52	7.19	5.79
	594	64	183	148
100J4	25.38	2.91	7.19	5.79
	645	74	183	148

NOMENCLATURE
PAGE RHB-5

MOUNTING POSITIONS
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WEIGHTS
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DIMENSIONS



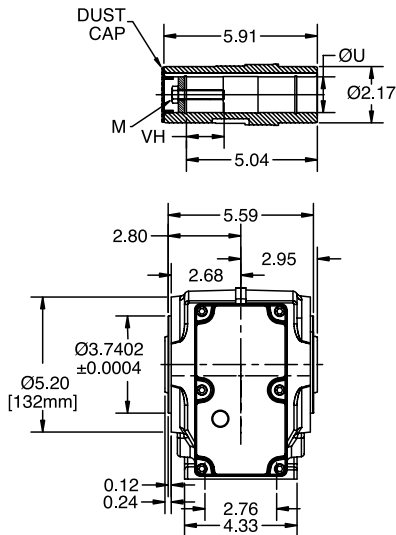
RIGHT ANGLE HELICAL BEVEL (RHB)

NEMA C-Face - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled

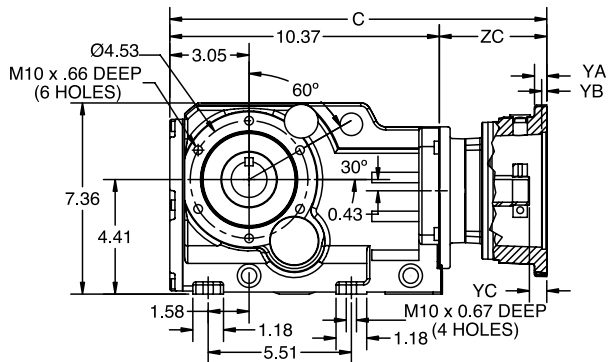
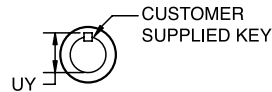
Triple Reduction

Straight Hollow Bore Output Shaft

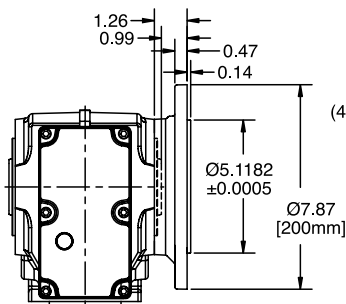
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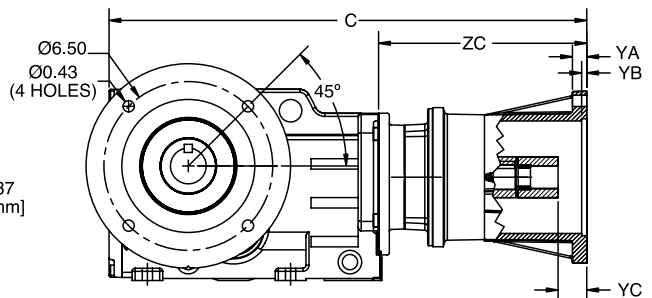
B14 OUTPUT FLANGE -
Ø132mm



CLAMP COLLAR



B5 OUTPUT FLANGE -
Ø200mm



THREE-PIECE COUPLED

NOMENCLATURE
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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF48

NEMA C-Face - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled

Triple Reduction

Straight Hollow Bore Output Shaft

HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
1.375	+0.0010 +0.0004	1.53	1.45	5/16 x 5/16 x 2-3/16	3/8-16 x 1-3/4 UNC
35	+0.025 +0.009	38	43	10 x 8 x 45	M12 x 50

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - MM

ØU	tol.	UY	VH	KEY	M
40	+0.025 +0.009	43.3	48	12 x 8 x 50	M16 x 60

NEMA MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YA	YB	YC
56C	13.87	3.50	0.47	0.20	0.67
140TC	14.54	4.17	0.47	0.20	0.67
180TC	14.86	4.49	0.69	0.22	0.93

NEMA MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YA	YB	YC
56C	16.97	6.59	0.55	0.20	1.08
140TC	18.39	8.01	0.55	0.20	1.10

Refer to page Engineering-2 for Input Flange and Shaft details.

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-350 for Twin Tapered Bushing details.

QUANTIS

QUANTIS GOLD

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NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS



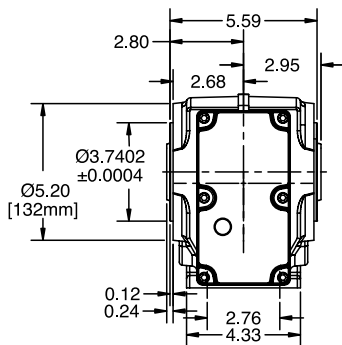
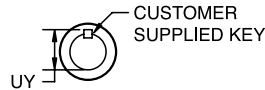
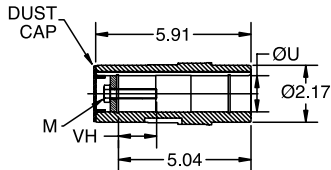
RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF48

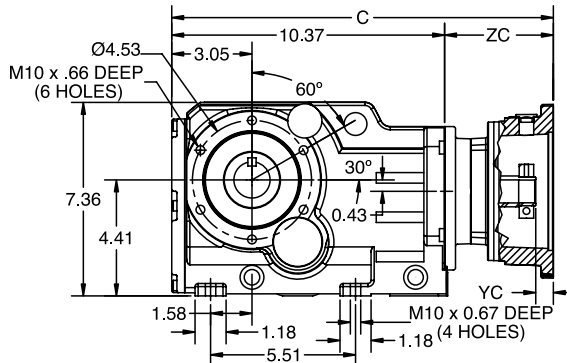
IEC D Flange (B5 Input) - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled

Triple Reduction

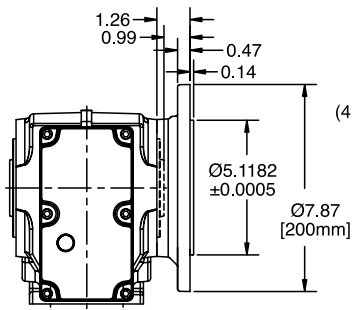
Straight Hollow Bore Output Shaft



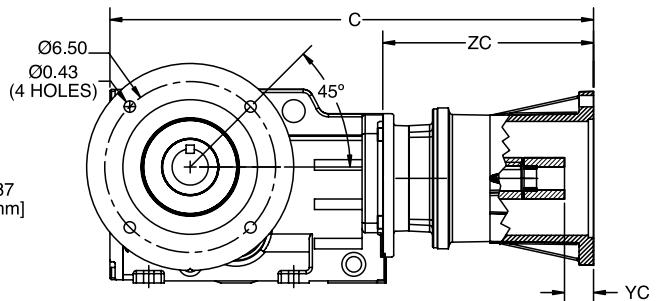
**B14 OUTPUT FLANGE -
Ø132mm**



CLAMP COLLAR



**B5 OUTPUT FLANGE -
Ø200mm**



THREE-PIECE COUPLED

DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF48

IEC D Flange (B5 Input) - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled
Triple Reduction

Straight Hollow Bore Output Shaft

HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
1.375	+0.0010 +0.0004	1.53	1.45	5/16 x 5/16 x 2-3/16	3/8-16 x 1-3/4 UNC
35	+0.025 +0.009	38	43	10 x 8 x 45	M12 x 50

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - MM

ØU	tol.	UY	VH	KEY	M
40	+0.025 +0.009	43.3	48	12 x 8 x 50	M16 x 60

IEC MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YC
71D	13.13	2.76	0.16
80D	14.07	3.70	0.61
90D	14.07	3.70	0.61
100D	14.37	4.00	0.28

IEC MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YC
80D	18.30	7.93	0.59
90D	18.30	7.93	1.02
100D	19.19	8.82	1.18

Refer to page Engineering-3 for Input Flange and Shaft details.

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-350 for Twin Tapered Bushing details.

QUANTIS

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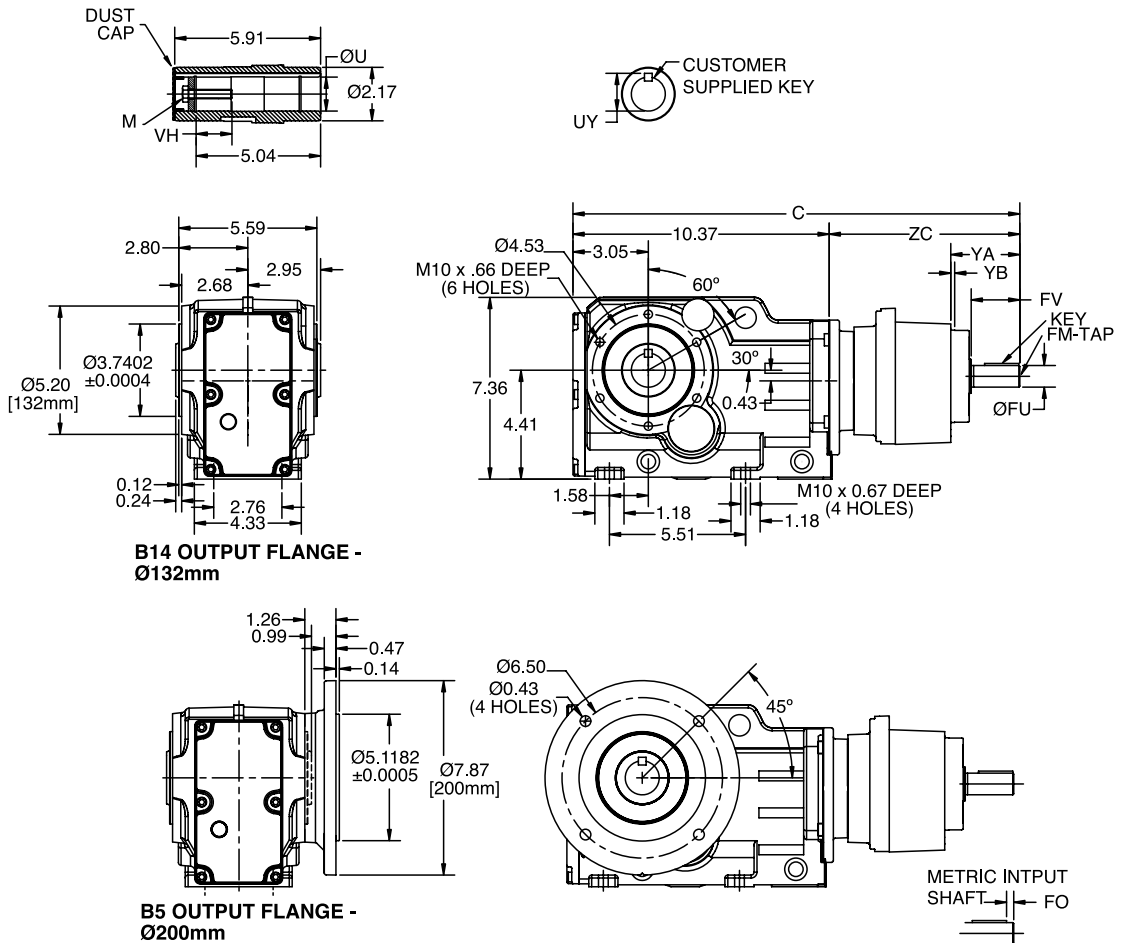
NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB) Separate - Flange Mounted (B5 / B14) Triple Reduction Straight Hollow Bore Output Shaft

SIZE: BF48



DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF48

Separate - Flange Mounted (B5 / B14)

Triple Reduction

Straight Hollow Bore Output Shaft

HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
1.375	+0.0010 +0.0004	1.53	1.45	5/16 x 5/16 x 2-3/16	3/8-16 x 1-3/4 UNC
35	+0.025 +0.009	38	43	10 x 8 x 45	M12 x 50

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - MM

ØU	tol.	UY	VH	KEY	M
40	+0.025 +0.009	43.3	48	12 x 8 x 50	M16 x 60

SEPARATE INPUT

Dimension - Inch/MM

	C	ZC	FO	FM x Depth	ØFU	tol.	FV	YA	YB	Key
71	16.31	5.94	---	8-32 UNC x 0.49	0.625	+0.0000 -0.0005	1.57	2.40	0.16	3/16 x 3/16 x 1-5/16
	415	151	4	M5 x 12.5	16	+0.012 +0.001	40			5 x 5 x 32
80	17.70	7.33	---	1/4 -20 UNC x 0.63	0.750	+0.0000 -0.0005	1.57	2.40	0.16	3/16 x 3/16 x 1-5/16
	450	186	4	M6 x 16	19	+0.015 +0.002	40			6 x 6 x 32
90	18.09	7.72	---	5/16-18 UNC x 0.75	0.875	+0.0000 -0.0005	1.97	2.80	0.16	3/16 x 3/16 x 1-5/8
	460	196	5	M8 x 19	24	+0.015 0.002	50			8 x 7 x 40
100	18.72	8.35	---	3/8-16 UNC x 0.87	1.125	+0.0000 +0.015	2.36	3.27	0.16	1/4 x 1/4 x 2
	476	212	5	M10 x 22	28	-0.002	60			8 x 7 x 50

Refer to page Engineering-4 for Input Flange and Shaft details.

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-350 for Twin Tapered Bushing details.

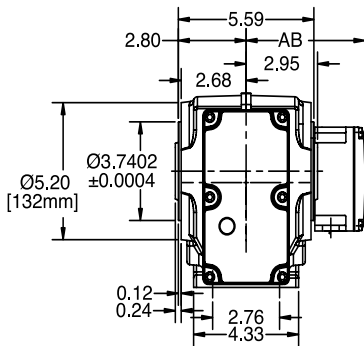
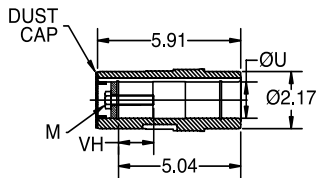
NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS

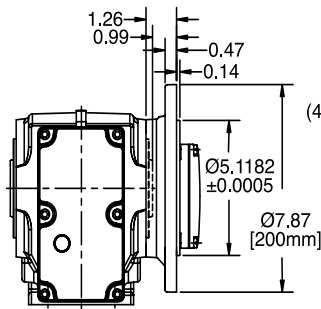
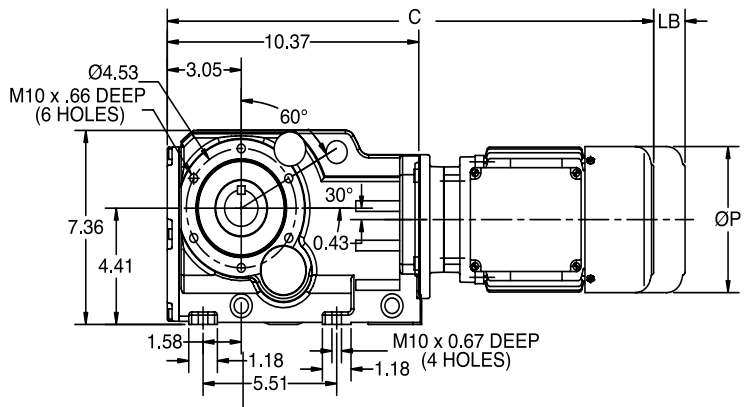


RIGHT ANGLE HELICAL BEVEL (RHB) Integral Gearmotor - Flange Mounted (B5 / B14) Triple Reduction Straight Hollow Bore Output Shaft

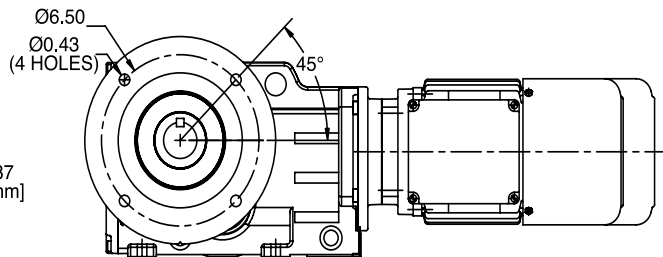
SIZE: BF48



**B14 OUTPUT FLANGE -
Ø132mm**



**B5 OUTPUT FLANGE -
Ø200mm**



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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB) Integral Gearmotor - Flange Mounted (B5 / B14) Triple Reduction Straight Hollow Bore Output Shaft

SIZE: BF48

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
1.375	+0.0010 +0.0004	1.52	1.45	5/16 x 5/16 x 2-3/16	3/8-16 x 1-3/4 UNC
35	+0.025 +0.009	38	43	10 x 8 x 45	M12 x 50

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - MM

ØU	tol.	UY	VH	KEY	M
40	+0.025 +0.009	43.3	48	12 x 8 x 50	M16 x 60

MOTOR

Dimension - Inch/MM

Frame	C	LB	P	AB
71C4 / 71D4 / 71E4	20.92	1.81	6.19	5.18
	532	46	158	132
80F4	21.06	2.56	6.19	5.12
	535	65	158	131
80G4	22.56	2.56	6.19	5.12
	574	65	158	131
90H4	22.49	2.52	7.19	5.79
	572	64	183	148
90I4	23.37	2.52	7.19	5.79
	594	64	183	148
100J4	25.38	2.91	7.19	5.79
	645	74	183	148

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.
Refer to page RHB-350 for Twin Tapered Bushing details.

QUANTIS

QUANTIS GOLD

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NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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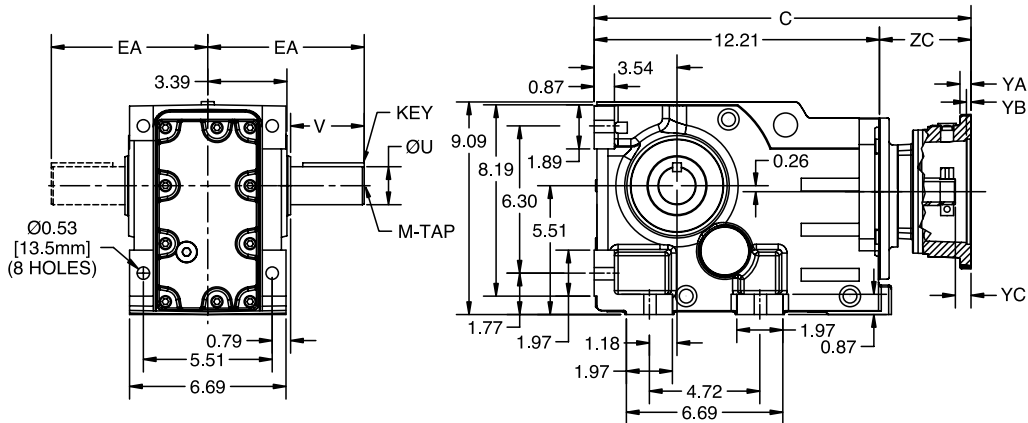
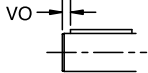
DIMENSIONS



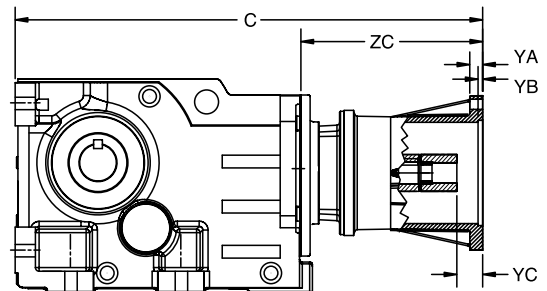
RIGHT ANGLE HELICAL BEVEL (RHB) NEMA C-Face - Foot Mounted - Clamp Collar / 3 Piece Coupled Triple Reduction Solid Output Shaft

SIZE: BB68

METRIC OUTPUT SHAFT



CLAMP COLLAR



THREE-PIECE COUPLED

NOMENCLATURE
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RIGHT ANGLE HELICAL BEVEL (RHB) NEMA C-Face - Foot Mounted - Clamp Collar / 3 Piece Coupled Triple Reduction Solid Output Shaft

SIZE: BB68

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
1.625	+0.0000 -0.0010	1.80	3.15	-	3/8 x 3/8 x 2-5/8	5/8-11 UNC x 1.42	6.69
40	+0.018 +0.002	43	80	5	12 x 8 x 70	M16 x 36	170

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
2.000	+0.0000 -0.0010	2.22	3.94	-	1/2 x 1/2 x 3-1/4	3/4-10 UNC x 1.65	7.48
50	+0.018 +0.002	54	100	10	14 x 9 x 80	M16 x 36	190

NEMA MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YA	YB	YC
56C	15.50	3.29	0.47	0.20	0.67
140TC	16.17	3.96	0.47	0.20	0.67
180TC	17.75	5.54	0.73	0.22	0.91

NEMA MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YA	YB	YC
56C	18.59	6.38	0.55	0.20	1.08
140TC	20.01	7.80	0.55	0.20	1.10
180TC	21.28	9.07	0.73	0.22	1.65

Refer to page Engineering-2 for Input Flange and Shaft details.

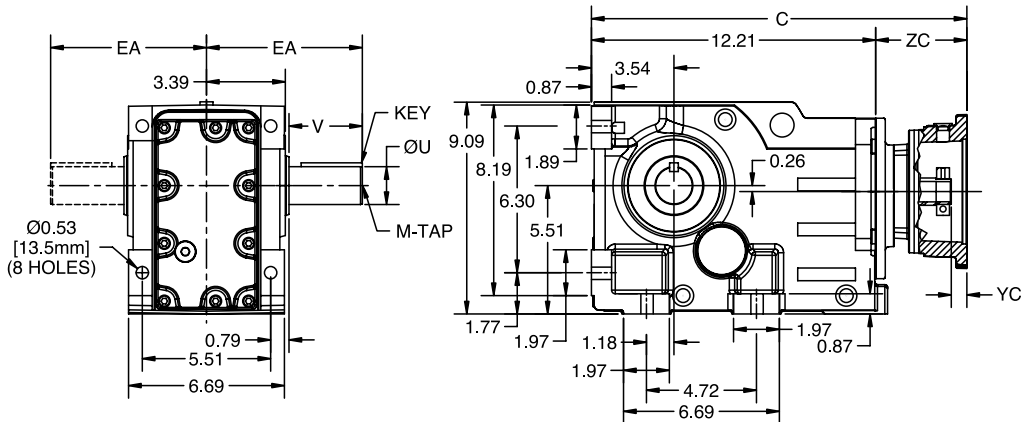
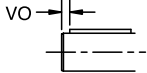
DIMENSIONS



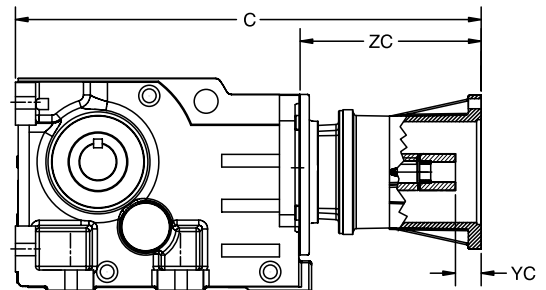
RIGHT ANGLE HELICAL BEVEL (RHB) IEC D Flange (B5 Input) - Foot Mounted - Clamp Collar / 3 Piece Coupled Triple Reduction Solid Output Shaft

SIZE: BB68

METRIC OUTPUT SHAFT



CLAMP COLLAR



THREE-PIECE COUPLED

NOMENCLATURE
PAGE RHB-5

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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB68

IEC D Flange (B5 Input) - Foot Mounted - Clamp Collar / 3 Piece Coupled
Triple Reduction
Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
1.625	+0.0000 -0.0010	1.80	3.15	-	3/8 x 3/8 x 2-5/8	5/8-11 UNC x 1.42	6.69
40	+0.018 +0.002	43	80	5	12 x 8 x 70	M16 x 36	170

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
2.000	+0.0000 -0.0010	2.22	3.94	-	1/2 x 1/2 x 3-1/4	3/4-10 UNC x 1.65	7.48
50	+0.018 +0.002	54	100	10	14 x 9 x 80	M16 x 36	190

IEC MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YC
71D	14.75	2.54	0.16
80D	15.69	3.48	0.61
90D	15.69	3.48	0.61
100D	15.99	3.78	0.28
112D	16.32	4.11	0.28

IEC MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YC
80D	19.93	7.72	0.59
90D	19.93	7.72	1.02
100D	20.81	8.60	1.18
112D	20.77	8.56	1.18

Refer to page Engineering-3 for Input Flange and Shaft details

QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

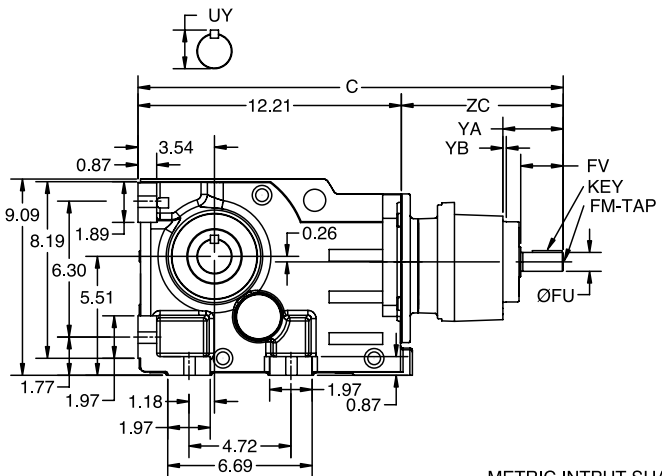
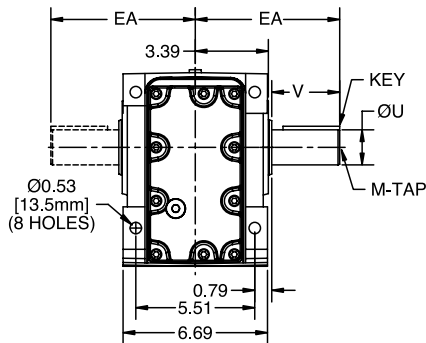
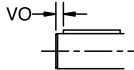
Separate - Foot Mounted

Triple Reduction

Solid Output Shaft

SIZE: BB68

METRIC OUTPUT SHAFT



METRIC INPUT SHAFT



NOMENCLATURE
PAGE RHB-5

MOUNTING POSITIONS
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WEIGHTS
PAGE RHB-372

DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB68

Separate - Foot Mounted

Triple Reduction

Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
1.625	+0.0000 -0.0010	1.80	3.15	-	3/8 x 3/8 x 2-5/8	5/8-11 UNC x 1.42	6.69
40	+0.018 +0.002	43	80	5	12 x 8 x 70	M16 x 36	170

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
2.000	+0.0000 -0.0010	2.22	3.94	-	1/2 x 1/2 x 3-1/4	3/4-10 UNC x 1.65	7.48
50	+0.018 +0.002	54	100	10	14 x 9 x 80	M16 x 36	190

SEPARATE INPUT

Dimension - Inch/MM

	C	ZC	F0	FM x Depth	ØFU	tol.	FV	YA	YB	Key
71	17.96	5.75	---	8-32 UNC x 0.49	0.625	+0.0000 -0.0005	1.57	2.40	0.16	3/16 x 3/16 x 1-5/16
	456	146	4	M5 x 12.5	16	+0.012 +0.001	40			5 x 5 x 32
80	19.34	7.13	---	1/4 -20 UNC x 0.63	0.750	+0.0000 -0.0005	1.57	2.40	0.16	3/16 x 3/16 x 1-5/16
	491	181	4	M6 x 16	19	+0.015 +0.002	40			6 x 6 x 32
90	19.73	7.52	---	5/16-18 UNC x 0.75	0.875	+0.0000 -0.0005	1.97	2.80	0.16	3/16 x 3/16 x 1-5/8
	501	191	5	M8 x 19	24	+0.015 +0.002	50			8 x 7 x 40
100	20.36	8.15	---	3/8-16 UNC x 0.87	1.125	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	517	207	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
112	20.40	8.19	---	3/8-16 UNC x 0.87	1.250	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	518	208	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50

Refer to page Engineering-4 for Input Flange and Shaft details.

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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

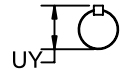
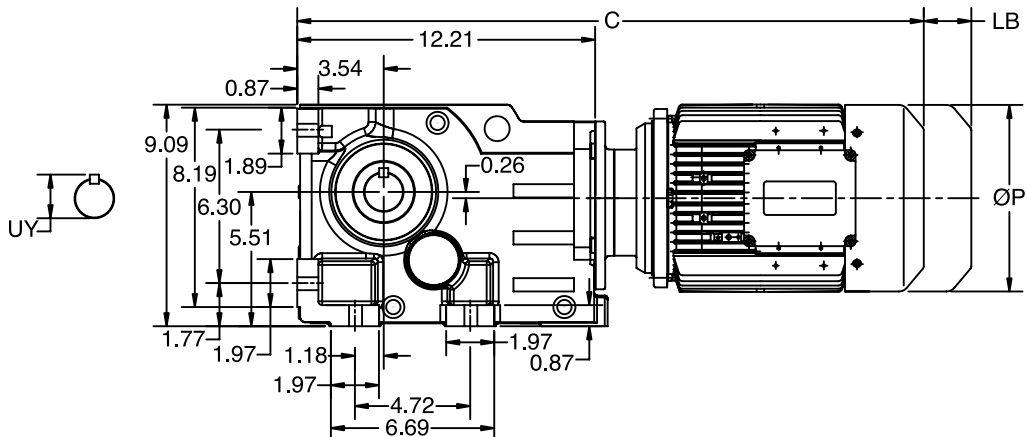
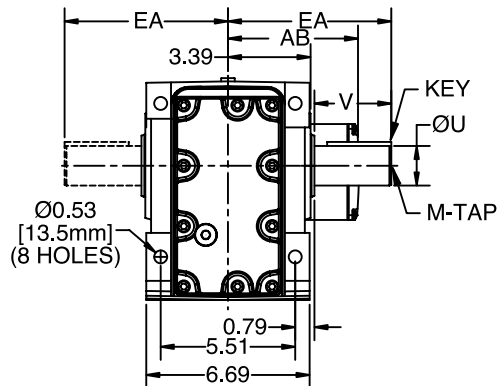
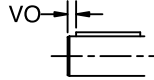
Integral Gearmotor - Foot Mounted

Triple Reduction

Solid Output Shaft

SIZE: BB68

METRIC OUTPUT SHAFT



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PAGE RHB-5

MOUNTING POSITIONS
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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB68

Integral Gearmotor - Foot Mounted

Triple Reduction

Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
1.625	+0.0000 -0.0010	1.80	3.15	-	3/8 x 3/8 x 2-5/8	5/8-11 UNC x 1.42	6.69
40	+0.018 +0.002	43	80	5	12 x 8 x 70	M16 x 36	170

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
2.000	+0.0000 -0.0010	2.22	3.94	-	1/2 x 1/2 x 3-1/4	3/4-10 UNC x 1.65	7.48
50	+0.018 +0.002	54	100	10	14 x 9 x 80	M16 x 36	190

MOTOR

Dimension - Inch/MM

Frame	C	LB	P	AB
71C4 / 71D4 / 71E4	22.53	1.81	6.19	5.18
	573	46	158	132
80F4	22.68	2.56	6.19	5.12
	577	65	158	131
80G4	24.18	2.56	6.19	5.12
	615	65	158	131
90H4	24.1	2.52	7.19	5.79
	613	64	183	148
90I4	24.99	2.52	7.19	5.79
	635	64	183	148
100J4	26.99	2.91	7.19	5.79
	686	74	183	148
112L4	28.72	2.91	8.6	6.88
	730	74	219	175

NOMENCLATURE
PAGE RHB-5

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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB) NEMA C-Face - Foot Mounted - Clamp Collar / 3 Piece Coupled Triple Reduction Straight Hollow Bore Output Shaft

SIZE: BB68

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
1.500	+0.0010 +0.0004	1.68	2.05	3/8 x 3/8 x 3-1/8	5/8-11 x 2-1/4 UNC
40	+0.025 +0.009	43	48	12 x 8 x 50	M16 x 60

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
1.4375	+0.0010 +0.0004	1.62	1.98	3/8 x 3/8 x 3-3/8	3/8-16 x 2-1/4 UNC
45	+0.025 +0.009	49	47	14 x 9 x 70	M16 x 60

NEMA MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YA	YB	YC
56C	15.50	3.29	0.47	0.20	0.67
140TC	16.17	3.96	0.47	0.20	0.67
180TC	17.75	5.54	0.73	0.22	0.91

NEMA MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YA	YB	YC
56C	18.59	6.38	0.55	0.20	1.08
140TC	20.01	7.80	0.55	0.20	1.10
180TC	21.28	9.07	0.73	0.22	1.65

Refer to page Engineering-2 for Input Flange and Shaft details.
Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.
Refer to page RHB-352 for Twin Tapered Bushing details.

QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB68

IEC D Flange (B5 Input) - Foot Mounted - Clamp Collar / 3 Piece Coupled

Triple Reduction

Straight Hollow Bore Output Shaft

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
1.500	+0.0010 +0.0004	1.68	2.05	3/8 x 3/8 x 3-1/8	5/8-11 x 2-1/4 UNC
40	+0.025 +0.009	43	48	12 x 8 x 50	M16 x 60

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
1.4375	+0.0010 +0.0004	1.62	1.98	3/8 x 3/8 x 3-3/8	3/8-16 x 2-1/4 UNC
45	+0.025 +0.009	49	47	14 x 9 x 70	M16 x 60

IEC MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YC
71D	14.75	2.54	0.16
80D	15.69	3.48	0.61
90D	15.69	3.48	0.61
100D	15.99	3.78	0.28
112D	16.32	4.11	0.28

IEC MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YC
80D	19.93	7.72	0.59
90D	19.93	7.72	1.02
100D	20.81	8.60	1.18
112D	20.77	8.56	1.18

Refer to page Engineering-3 for Input Flange and Shaft details.

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-352 for Twin Tapered Bushing details.

QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

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DIMENSIONS



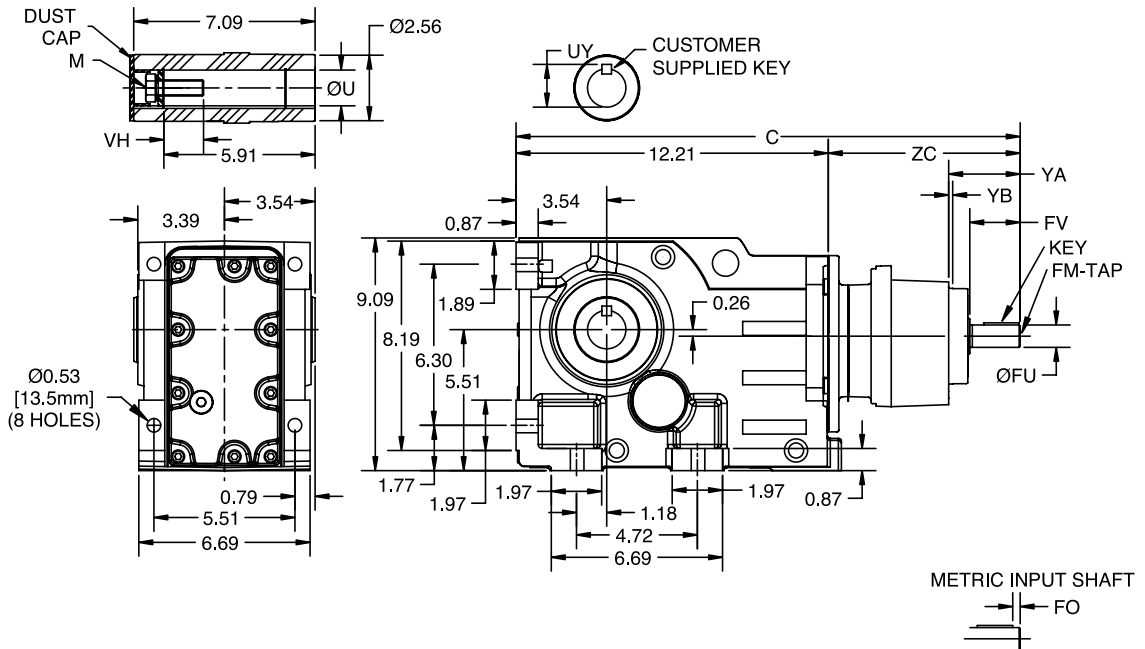
RIGHT ANGLE HELICAL BEVEL (RHB)

Separate - Foot Mounted

Triple Reduction

Straight Hollow Bore Output Shaft

SIZE: BB68



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB68

Separate - Foot Mounted

Triple Reduction

Straight Hollow Bore Output Shaft

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
1.500	+0.0010 +0.0004	1.68	2.05	3/8 x 3/8 x 3-1/8	5/8-11 x 2-1/4 UNC
40	+0.025 +0.009	43	48	12 x 8 x 50	M16 x 60

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
1.4375	+0.0010 +0.0004	1.62	1.98	3/8 x 3/8 x 3-3/8	3/8-16 x 2-1/4 UNC
45	+0.025 +0.009	49	47	14 x 9 x 70	M16 x 60

SEPARATE INPUT

Dimension - Inch/MM

	C	ZC	FO	FM x Depth	ØFU	tol.	FV	YA	YB	Key
71	17.96	5.75	---	8-32 UNC x 0.49	0.625	+0.0000 -0.0005	1.57	2.40	0.16	3/16 x 3/16 x 1-5/16
	456	146	4	M5 x 12.5	16	+0.012 +0.001	40			5 x 5 x 32
80	19.34	7.13	---	1/4 -20 UNC x 0.63	0.750	+0.0000 -0.0005	1.57	2.40	0.16	3/16 x 3/16 x 1-5/16
	491	181	4	M6 x 16	19	+0.015 +0.002	40			6 x 6 x 32
90	19.73	7.52	---	5/16-18 UNC x 0.75	0.875	+0.0000 -0.0005	1.97	2.80	0.16	3/16 x 3/16 x 1-5/8
	501	191	5	M8 x 19	24	+0.015 +0.002	50			8 x 7 x 40
100	20.36	8.15	---	3/8-16 UNC x 0.87	1.125	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	517	207	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
112	20.40	8.19	---	3/8-16 UNC x 0.87	1.250	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	518	208	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50

Refer to page Engineering-4 for Input Flange and Shaft details.

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-352 for Twin Tapered Bushing details.

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DIMENSIONS



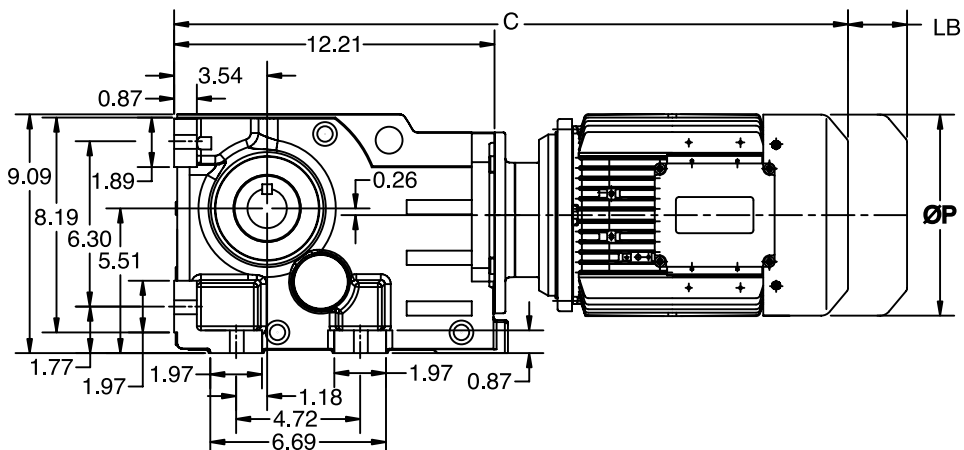
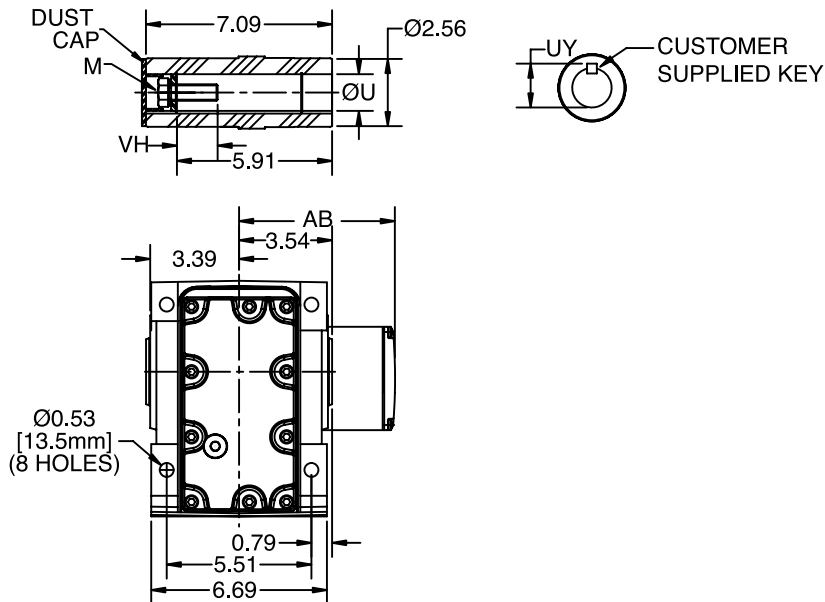
RIGHT ANGLE HELICAL BEVEL (RHB)

Integral Gearmotor - Foot Mounted

Triple Reduction

Straight Hollow Bore Output Shaft

SIZE: BB68



NOMENCLATURE
PAGE RHB-5

MOUNTING POSITIONS
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PAGE RHB-372

DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB68

Integral Gearmotor - Foot Mounted

Triple Reduction

Straight Hollow Bore Output Shaft

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
1.500	+0.0010 +0.0004	1.68	2.05	3/8 x 3/8 x 3-1/8	5/8-11 x 2-1/4 UNC
40	+0.025 +0.009	43	48	12 x 8 x 50	M16 x 60

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
1.4375	+0.0010 +0.0004	1.62	1.98	3/8 x 3/8 x 3-3/8	3/8-16 x 2-1/4 UNC
45	+0.025 +0.009	49	47	14 x 9 x 70	M16 x 60

MOTOR

Dimension - Inch/MM

Frame	C	LB	P	AB
71C4 / 71D4 / 71E4	22.53	1.81	6.19	5.18
	573	46	158	132
80F4	22.68	2.56	6.19	5.12
	577	65	158	131
80G4	24.18	2.56	6.19	5.12
	615	65	158	131
90H4	24.1	2.52	7.19	5.79
	613	64	183	148
90I4	24.99	2.52	7.19	5.79
	635	64	183	148
100J4	26.99	2.91	7.19	5.79
	686	74	183	148
112L4	28.72	2.91	8.6	6.88
	730	74	219	175

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-352 for Twin Tapered Bushing details.

NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS



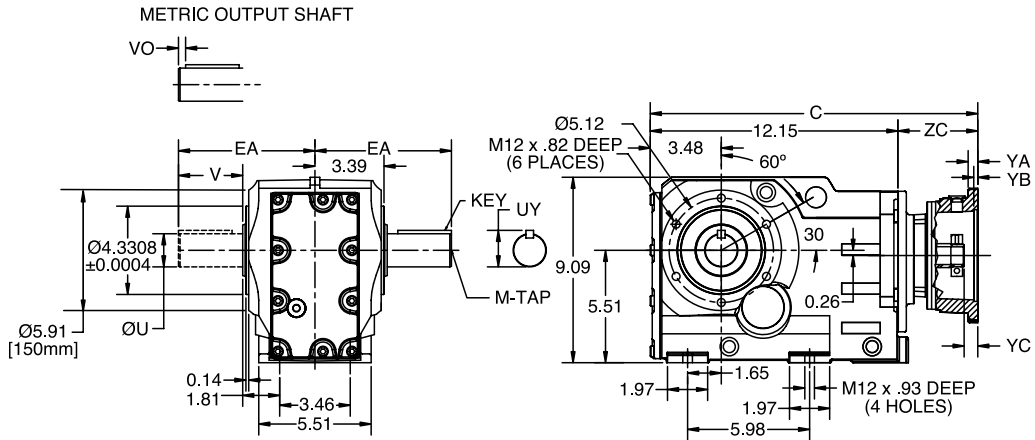
RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF68

NEMA C-Face - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled

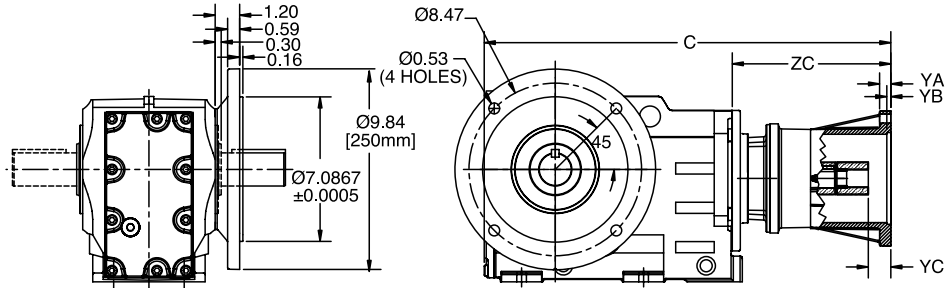
Triple Reduction

Solid Output Shaft



**B14 OUTPUT FLANGE -
Ø150mm**

CLAMP COLLAR



**B5 OUTPUT FLANGE -
Ø250mm**

THREE-PIECE COUPLED

DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF68

NEMA C-Face - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled

Triple Reduction

Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
1.625	+0.0000 -0.0010	1.80	3.15	-	3/8 x 3/8 x 2-5/8	5/8-11 UNC x 1.42	6.69
40	+0.018 +0.002	43	80	5	12 x 8 x 70	M16 x 36	170

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
2.000	+0.0000 -0.0010	2.22	3.94	-	1/2 x 1/2 x 3-1/4	3/4-10 UNC x 1.65	7.48
50	+0.018 +0.002	54	100	10	14 x 9 x 80	M16 x 36	190

NEMA MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YA	YB	YC
56C	15.44	3.29	0.47	0.20	0.67
140TC	16.11	3.96	0.47	0.20	0.67
180TC	17.69	5.54	0.73	0.22	0.91

NEMA MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YA	YB	YC
56C	18.53	6.38	0.55	0.20	1.08
140TC	19.95	7.80	0.55	0.20	1.10
180TC	21.22	9.07	0.73	0.22	1.65

Refer to page Engineering-2 for Input Flange and Shaft details

QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

DIMENSIONS



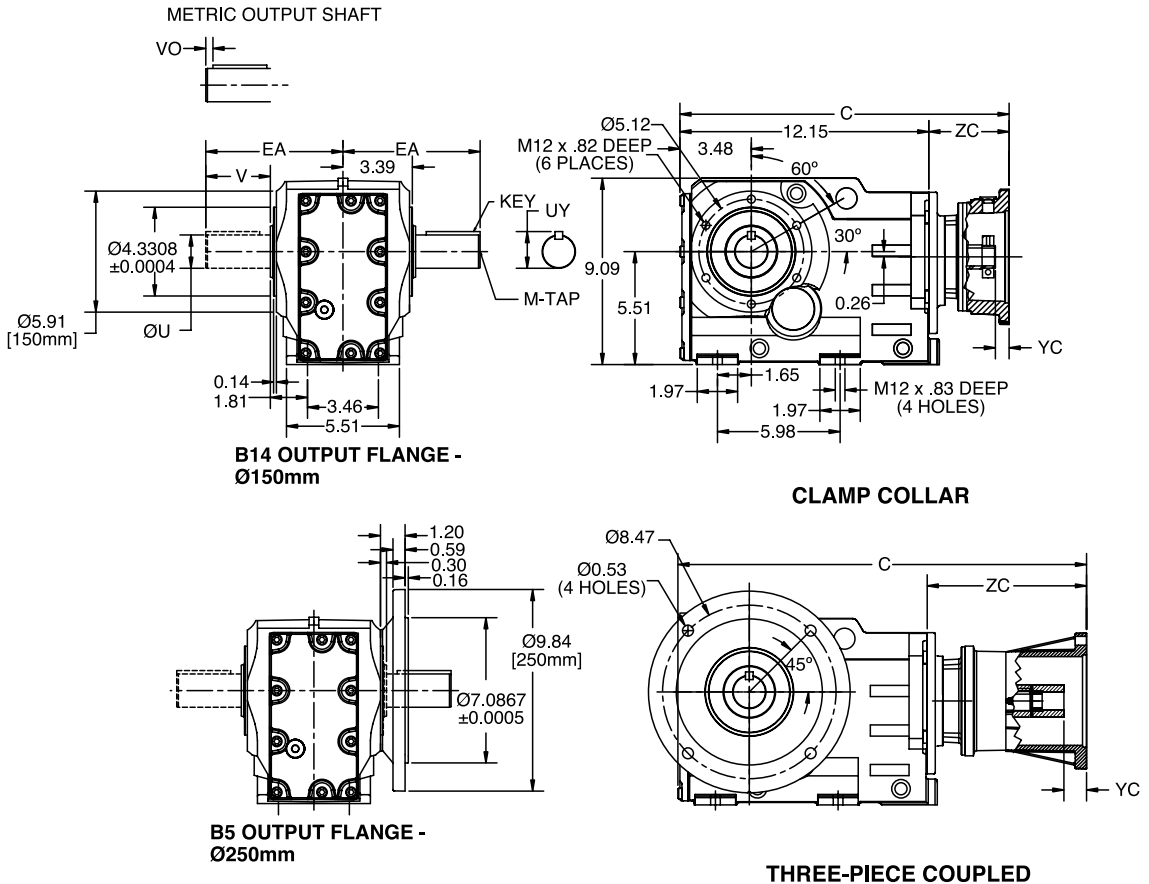
RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF68

IEC D Flange (B5 Input) - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled

Triple Reduction

Solid Output Shaft



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF68

IEC D Flange (B5 Input) - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled

Triple Reduction

Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
1.625	+0.0000 -0.0010	1.80	3.15	-	3/8 x 3/8 x 2-5/8	5/8-11 UNC x 1.42	6.69
40	+0.018 +0.002	43	80	5	12 x 8 x 70	M16 x 36	170

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
2.000	+0.0000 -0.0010	2.22	3.94	-	1/2 x 1/2 x 3-1/4	3/4-10 UNC x 1.65	7.48
50	+0.018 +0.002	54	100	10	14 x 9 x 80	M16 x 36	190

IEC MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YC
71D	14.69	2.54	0.16
80D	15.63	3.48	0.61
90D	15.63	3.48	0.61
100D	15.93	3.78	0.28
112D	16.26	4.11	0.28

IEC MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YC
80D	19.87	7.72	0.59
90D	19.87	7.72	1.02
100D	20.75	8.60	1.18
112D	20.71	8.56	1.18

Refer to page Engineering-3 for Input Flange and Shaft details

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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

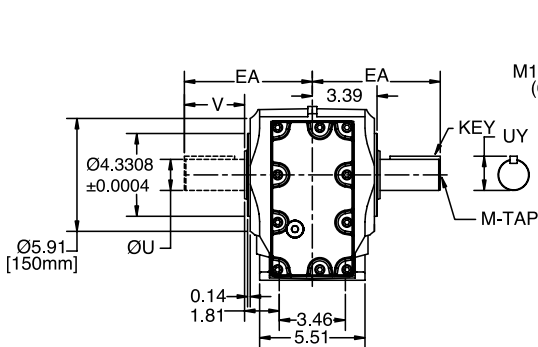
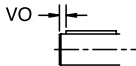
Separate - Flange Mounted (B5 / B14)

Triple Reduction

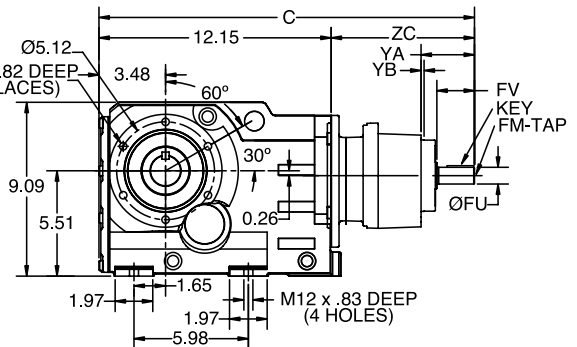
Solid Output Shaft

SIZE: BF68

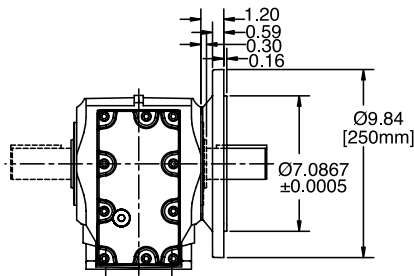
METRIC OUTPUT SHAFT



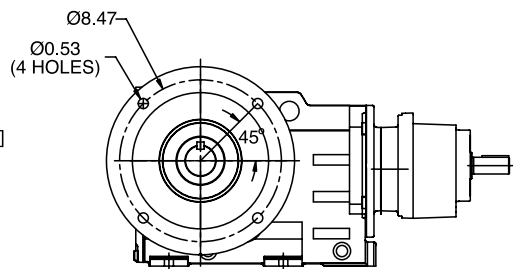
B14 OUTPUT FLANGE
Ø150mm



CLAMP COLLAR



B5 OUTPUT FLANGE
Ø250mm



THREE-PIECE COUPLED

DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF68

Separate - Flange Mounted (B5 / B14)

Triple Reduction

Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
1.625	+0.0000 -0.0010	1.80	3.15	-	3/8 x 3/8 x 2-5/8	5/8-11 UNC x 1.42	6.69
40	+0.018 +0.002	43	80	5	12 x 8 x 70	M16 x 36	170

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
2.000	+0.0000 -0.0010	2.22	3.94	-	1/2 x 1/2 x 3-1/4	3/4-10 UNC x 1.65	7.48
50	+0.018 +0.002	54	100	10	14 x 9 x 80	M16 x 36	190

SEPARATE INPUT

Dimension - Inch/MM

	C	ZC	FO	FM x Depth	ØFU	tol.	FV	YA	YB	Key
71	17.90	5.75	---	8-32 UNC x 0.49	0.625	+0.0000 -0.0005	1.57	2.40	0.16	3/16 x 3/16 x 1-5/16
	454	146	4	M5 x 12.5	16	+0.012 +0.001	40			5 x 5 x 32
80	19.28	7.13	---	1/4 -20 UNC x 0.63	0.750	+0.0000 -0.0005	1.57	2.40	0.16	3/16 x 3/16 x 1-5/16
	489	181	4	M6 x 16	19	+0.015 +0.002	40			6 x 6 x 32
90	19.67	7.52	---	5/16-18 UNC x 0.75	0.875	+0.0000 -0.0005	1.97	2.80	0.16	3/16 x 3/16 x 1-5/8
	499	191	5	M8 x 19	24	+0.015 +0.002	50			8 x 7 x 40
100	20.30	8.15	---	3/8-16 UNC x 0.87	1.125	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	515	207	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
112	20.34	8.19	---	3/8-16 UNC x 0.87	1.250	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	516	208	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50

Refer to page Engineering-4 for Input Flange and Shaft details.

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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB) Integral Gearmotor - Flange Mounted (B5 / B14) Triple Reduction Solid Output Shaft

SIZE: BF68

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
1.625	+0.0000 -0.0010	1.80	3.15	-	3/8 x 3/8 x 2-5/8	5/8-11 UNC x 1.42	6.69
40	+0.018 +0.002	43	80	5	12 x 8 x 70	M16 x 36	170

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
2.000	+0.0000 -0.0010	2.22	3.94	-	1/2 x 1/2 x 3-1/4	3/4-10 UNC x 1.65	7.48
50	+0.018 +0.002	54	100	10	14 x 9 x 80	M16 x 36	190

MOTOR

Dimension - Inch/MM

Frame	C	LB	P	AB
71C4 / 71D4 / 71E4	22.47	1.81	6.19	5.18
	571	46	158	132
80F4	22.62	2.56	6.19	5.12
	575	65	158	131
80G4	24.12	2.56	6.19	5.12
	613	65	158	131
90H4	24.04	2.52	7.19	5.79
	611	64	183	148
90I4	24.93	2.52	7.19	5.79
	634	64	183	148
100J4	26.93	2.91	7.19	5.79
	685	74	183	148
112L4	28.66	2.91	8.6	6.88
	728	74	219	175

DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF68

NEMA C-Face - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled

Triple Reduction

Straight Hollow Bore Output Shaft

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
1.500	+0.0010 +0.0004	1.68	2.05	3/8 x 3/8 x 3-1/8	5/8-11 x 2-1/4 UNC
40	+0.025 +0.009	43	48	12 x 8 x 50	M16 x 60

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
1.4375	+0.0010 +0.0004	1.62	1.98	3/8 x 3/8 x 3-3/8	3/8-16 x 2-1/4 UNC
45	+0.025 +0.009	49	47	14 x 9 x 70	M16 x 60

NEMA MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YA	YB	YC
56C	15.44	3.29	0.47	0.20	0.67
140TC	16.11	3.96	0.47	0.20	0.67
180TC	17.69	5.54	0.73	0.22	0.91

NEMA MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YA	YB	YC
56C	18.53	6.38	0.55	0.20	1.08
140TC	19.95	7.80	0.55	0.20	1.10
180TC	21.22	9.07	0.73	0.22	1.65

Refer to page Engineering-2 for Input Flange and Shaft details.

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-352 for Twin Tapered Bushing details.

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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF68

IEC D Flange (B5 Input) - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled

Triple Reduction

Straight Hollow Bore Output Shaft

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
1.500	+0.0010 +0.0004	1.68	2.05	3/8 x 3/8 x 3-1/8	5/8-11 x 2-1/4 UNC
40	+0.025 +0.009	43	48	12 x 8 x 50	M16 x 60

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
1.4375	+0.0010 +0.0004	1.62	1.98	3/8 x 3/8 x 3-3/8	3/8-16 x 2-1/4 UNC
45	+0.025 +0.009	49	47	14 x 9 x 70	M16 x 60

IEC MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YC
71D	14.69	2.54	0.16
80D	15.63	3.48	0.61
90D	15.63	3.48	0.61
100D	15.93	3.78	0.28
112D	16.26	4.11	0.28

IEC MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YC
80D	19.87	7.72	0.59
90D	19.87	7.72	1.02
100D	20.75	8.60	1.18
112D	20.71	8.56	1.18

Refer to page Engineering-3 for Input Flange and Shaft details.

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-352 for Twin Tapered Bushing details.

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RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF68

Separate - Flange Mounted (B5 / B14)

Triple Reduction

Straight Hollow Bore Output Shaft

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
1.500	+0.0010 +0.0004	1.68	2.05	3/8 x 3/8 x 3-1/8	5/8-11 x 2-1/4 UNC
40	+0.025 +0.009	43	48	12 x 8 x 50	M16 x 60

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
1.4375	+0.0010 +0.0004	1.62	1.98	3/8 x 3/8 x 3-3/8	3/8-16 x 2-1/4 UNC
45	+0.025 +0.009	49	47	14 x 9 x 70	M16 x 60

SEPARATE INPUT

Dimension - Inch/MM

	C	ZC	FO	FM x Depth	ØFU	tol.	FV	YA	YB	Key
71	17.90	5.75	---	8-32 UNC x 0.49	0.625	+0.0000 -0.0005	1.57	2.40	0.16	3/16 x 3/16 x 1-5/16
	454	146	4	M5 x 12.5	16	+0.012 +0.001	40			5 x 5 x 32
80	19.28	7.13	---	1/4 -20 UNC x 0.63	0.750	+0.0000 -0.0005	1.57	2.40	0.16	3/16 x 3/16 x 1-5/16
	489	181	4	M6 x 16	19	+0.015 +0.002	40			6 x 6 x 32
90	19.67	7.52	---	5/16-18 UNC x 0.75	0.875	+0.0000 -0.0005	1.97	2.80	0.16	3/16 x 3/16 x 1-5/8
	499	191	5	M8 x 19	24	+0.015 +0.002	50			8 x 7 x 40
100	20.30	8.15	---	3/8-16 UNC x 0.87	1.125	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	515	207	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
112	20.34	8.19	---	3/8-16 UNC x 0.87	1.250	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	516	208	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50

Refer to page Engineering-4 for Input Flange and Shaft details.

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-352 for Twin Tapered Bushing details.

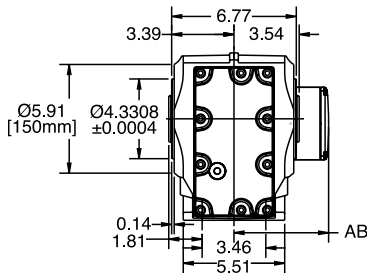
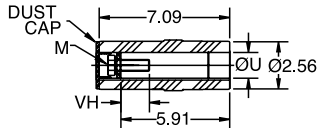
NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS

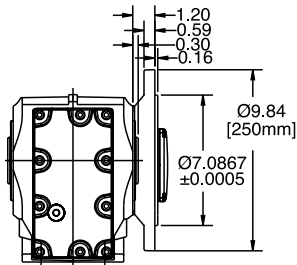
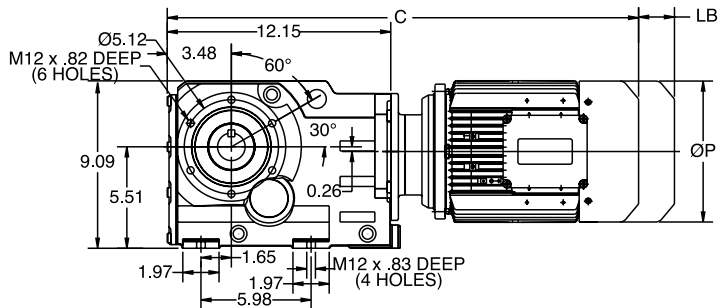


RIGHT ANGLE HELICAL BEVEL (RHB) Integral Gearmotor - Flange Mounted (B5 / B14) Triple Reduction Straight Hollow Bore Output Shaft

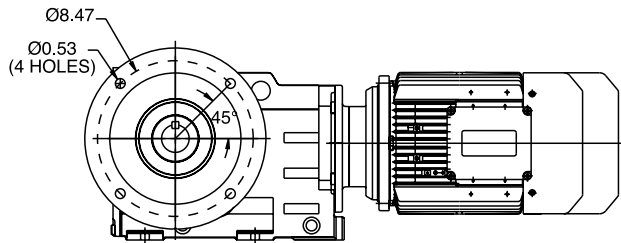
SIZE: BF68



**B14 OUTPUT FLANGE -
Ø150mm**



**B5 OUTPUT FLANGE -
Ø250mm**



DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB) Integral Gearmotor - Flange Mounted (B5 / B14) Triple Reduction Straight Hollow Bore Output Shaft

SIZE: BF68

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
1.500	+0.0010 +0.0004	1.68	2.02	3/8 x 3/8 x 3-1/8	5/8-11 x 2-1/4 UNC
40	+0.025 +0.009	43	51	12 x 8 x 50	M16 x 60

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
1.4375	+0.0010 +0.0004	1.62	1.98	3/8 x 3/8 x 3-3/8	3/8-16 x 2-1/4 UNC
45	+0.025 +0.009	49	50	14 x 9 x 70	M16 x 60

MOTOR

Dimension - Inch/MM

Frame	C	LB	P	AB
71C4 / 71D4 / 71E4	22.47	1.81	6.19	5.18
	571	46	158	132
80F4	22.62	2.56	6.19	5.12
	575	65	158	131
80G4	24.12	2.56	6.19	5.12
	613	65	158	131
90H4	24.04	2.52	7.19	5.79
	611	64	183	148
90I4	24.93	2.52	7.19	5.79
	634	64	183	148
100J4	26.93	2.91	7.19	5.79
	685	74	183	148
112L4	28.66	2.91	8.6	6.88
	728	74	219	175

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.
Refer to page RHB-352 for Twin Tapered Bushing details.

NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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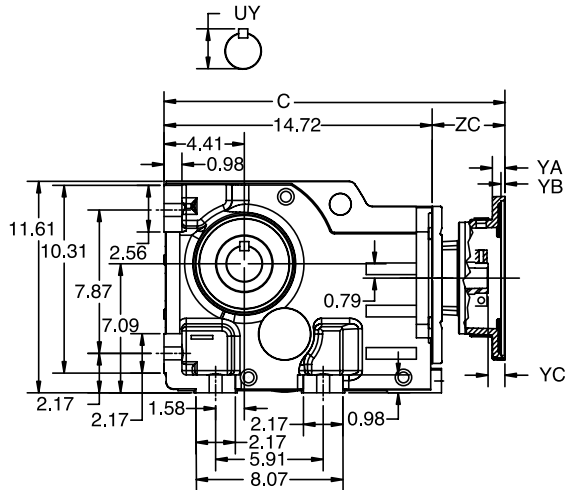
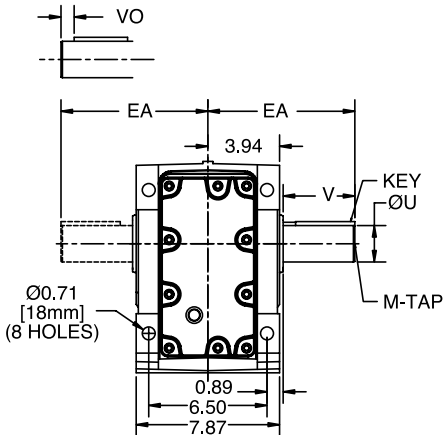
DIMENSIONS



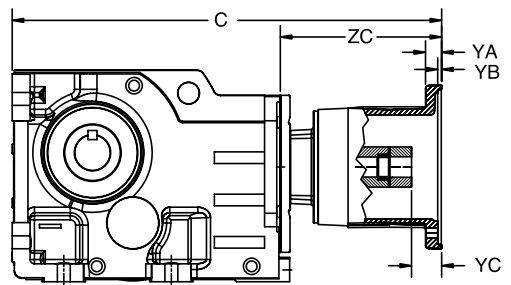
RIGHT ANGLE HELICAL BEVEL (RHB) NEMA C-Face - Foot Mounted - Clamp Collar / 3 Piece Coupled Triple Reduction Solid Output Shaft

SIZE: BB88

METRIC OUTPUT SHAFT



CLAMP COLLAR



THREE-PIECE COUPLED

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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB) NEMA C-Face - Foot Mounted - Clamp Collar / 3 Piece Coupled Triple Reduction Solid Output Shaft

SIZE: BB88

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
2.000	+0.000 -0.0010	2.22	3.94	-	1/2 x 1/2 x 3-1/4	3/4-10 UNC x 1.65	8.07
50	+0.030 +0.011	54	100	10	14 x 9 x 80	M16 x 36	205

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
2.750	+0.000 -0.0010	3.03	5.51	-	5/8 x 5/8 x 4-9/16	3/4-10 UNC x 1.65	9.65
70	+0.030 +0.011	75	140	15	20 x 12 x 110	M20 x 42	245

NEMA MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YA	YB	YC
56C	17.80	3.08	0.47	0.20	0.67
140TC	18.46	3.74	0.47	0.20	0.67
180TC	19.96	5.24	0.73	0.22	0.91
210TC	21.85	7.13	0.69	0.22	0.89

NEMA MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YA	YB	YC
56C	20.87	6.15	0.55	0.20	1.08
140TC	22.28	7.56	0.55	0.20	1.10
180TC	23.48	8.76	0.73	0.22	1.65
210TC	25.63	10.91	0.87	0.22	2.01

Refer to page Engineering-2 for Input Flange and Shaft details.

NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

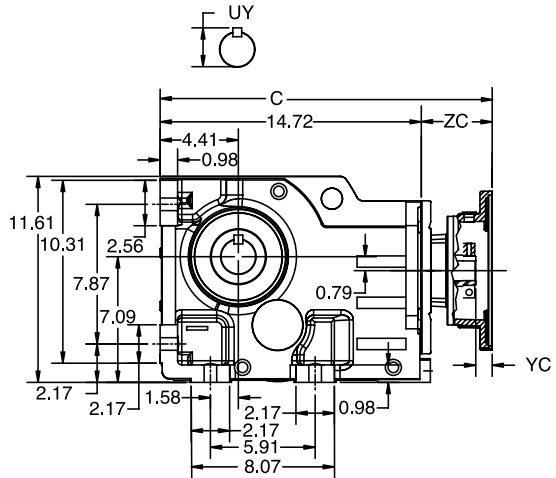
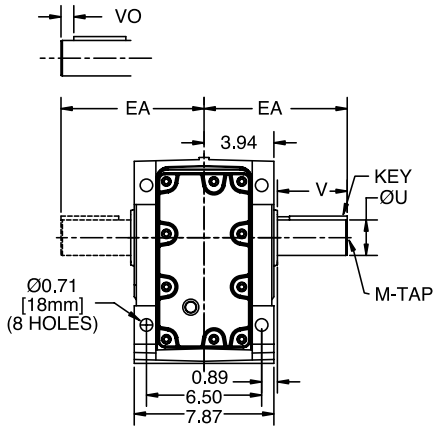
SIZE: BB88

IEC D Flange (B5 Flange) - Foot Mounted - Clamp Collar / 3 Piece Coupled

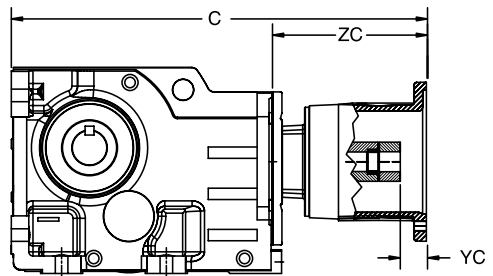
Triple Reduction

Solid Output Shaft

METRIC OUTPUT SHAFT



CLAMP COLLAR



THREE-PIECE COUPLED

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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB) IEC D Flange (B5 Flange) - Clamp Collar / 3 Piece Coupled Triple Reduction Solid Output Shaft

SIZE: BB88

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
2.000	+0.000 -0.0010	2.22	3.94	-	1/2 x 1/2 x 3-1/4	3/4-10 UNC x 1.65	8.07
50	+0.030 +0.011	54	100	10	14 x 9 x 80	M16 x 36	205

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
2.750	+0.000 -0.0010	3.03	5.51	-	5/8 x 5/8 x 4-9/16	3/4-10 UNC x 1.65	9.65
70	+0.030 +0.011	75	140	15	20 x 12 x 110	M20 x 42	245

IEC MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YC
71D	17.03	2.31	0.16
80D	17.97	3.25	0.61
90D	17.97	3.25	0.61
100D	18.27	3.55	0.28
112D	18.52	3.80	0.28
132D	20.14	5.42	0.87

IEC MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YC
80D	22.20	7.48	0.59
90D	22.20	7.48	1.02
100D	23.09	8.37	1.18
112D	22.97	8.25	1.18
132D	25.39	10.67	1.77

Refer to page Engineering-3 for Input Flange and Shaft details.

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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

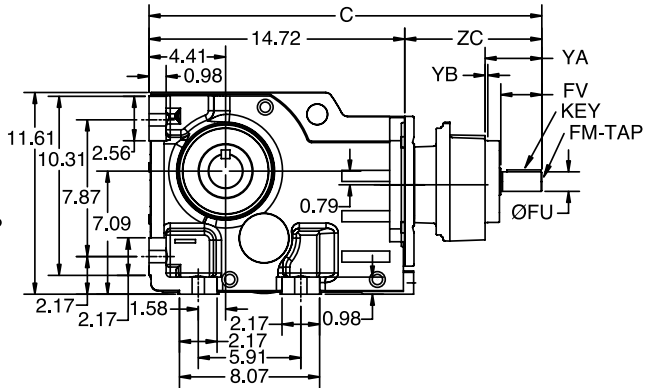
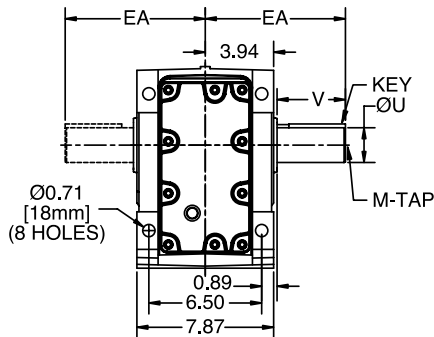
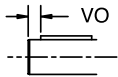
Separate - Foot Mounted

Triple Reduction

Solid Output Shaft

SIZE: BB88

METRIC OUTPUT SHAFT



METRIC INPUT SHAFT



NOMENCLATURE
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MOUNTING POSITIONS
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RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB88

Separate - Foot Mounted

Triple Reduction

Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
2.000	+0.000 -0.0010	2.22	3.94	-	1/2 x 1/2 x 3-1/4	3/4-10 UNC x 1.65	8.07
50	+0.030 +0.011	54	100	10	14 x 9 x 80	M16 x 36	205

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
2.750	+0.000 -0.0010	3.03	5.51	-	5/8 x 5/8 x 4-9/16	3/4-10 UNC x 1.65	9.65
70	+0.030 +0.011	75	140	15	20 x 12 x 110	M20 x 42	245

SEPARATE INPUT

Dimension - Inch/MM

	C	BC	ZC	FO	FM x Depth	ØFU	tol.	FV	YA	YB	Key
71	20.24	11.50	5.52	---	8-32 UNC x 0.49	0.625	0.000 -0.001	1.57	2.40	0.16	3/16 x 3/16 x 1-5/16
	514	292	140	4	M5 x 12.5	16	0.012 0.001	40			5 x 5 x 32
80	21.61	12.87	6.89	---	1/4 -20 UNC x 0.63	0.750	0.000 -0.001	1.57	2.40	0.16	3/16 x 3/16 x 1-5/16
	549	327	175	4	M6 x 16	19	0.015 0.002	40			6 x 6 x 32
90	22.01	13.27	7.29	---	5/16-18 UNC x 0.75	0.875	0.000 -0.001	1.97	2.80	0.16	3/16 x 3/16 x 1-5/8
	559	337	185	5	M8 x 19	24	0.015 0.002	50			8 x 7 x 40
100	22.64	13.90	7.92	---	3/8-16 UNC x 0.87	1.125	0.000 -0.001	2.36	3.27	0.16	1/4 x 1/4 x 2
	575	353	201	5	M10 x 22	28	0.015 0.002	60			8 x 7 x 50
112	22.60	13.86	7.88	---	3/8-16 UNC x 0.87	1.250	0.000 -0.001	2.36	3.27	0.16	1/4 x 1/4 x 2
	574	352	200	5	M10 x 22	28	0.015 0.002	60			8 x 7 x 50
132	25.91	17.17	11.19	---	3/8-16 UNC x 0.87	1.375	0.000 -0.001	3.15	6.61	0.14	5/16 x 5/16 x 2-3/4
	658	436	284	5	M12 x 28	38	0.018 0.002	80			10 x 8 x 70

Refer to page Engineering-3 for Input Shaft and Flange details.

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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

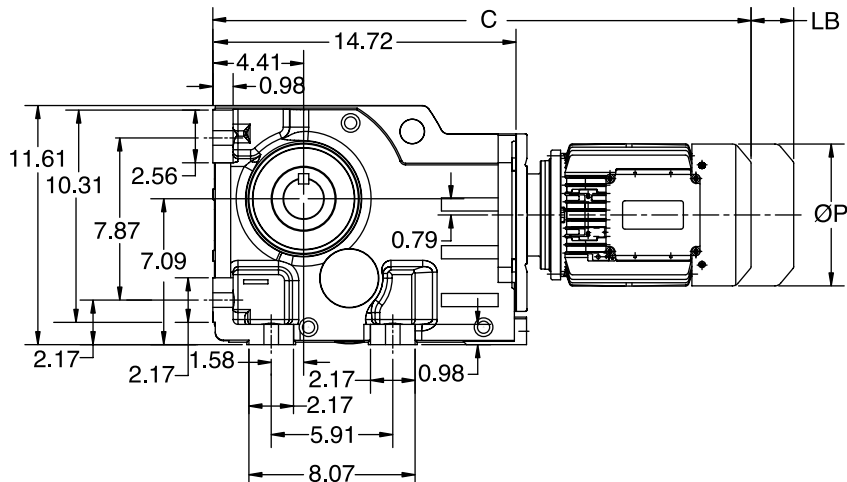
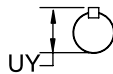
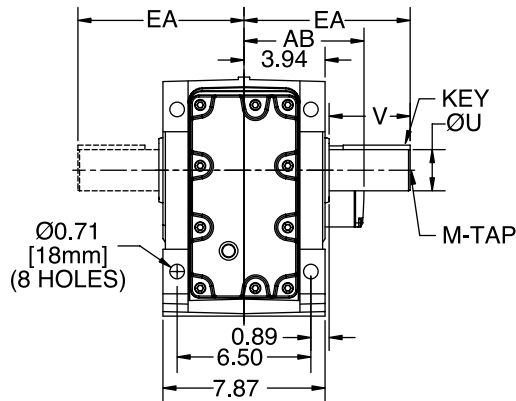
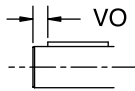
Integral Gearmotor - Foot Mounted

Triple Reduction

Solid Output Shaft

SIZE: BB88

METRIC OUTPUT SHAFT



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MOUNTING POSITIONS
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PAGE RHB-372

DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB88

Integral Gearmotor - Foot Mounted

Triple Reduction

Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
2.000	+0.000 -0.0010	2.22	3.94	-	1/2 x 1/2 x 3-1/4	3/4-10 UNC x 1.65	8.07
50	+0.018 +0.002	54	100	10	14 x 9 x 80	M16 x 36	205

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
2.750	+0.000 -0.0010	3.03	5.51	-	5/8 x 5/8 x 4-9/16	3/4-10 UNC x 1.65	9.65
70	+0.030 +0.011	75	140	15	20 x 12 x 110	M20 x 42	245

MOTOR

Dimension - Inch/MM

Frame	C	LB	P	AB
71C4 / 71D4 / 71E4	24.82	1.81	6.19	5.18
	631	46	158	132
80F4	24.96	2.56	6.19	5.12
	634	65	158	131
80G4	26.46	2.56	6.19	5.12
	673	65	158	131
90H4	26.39	2.52	7.19	5.79
	671	64	183	148
90I4	27.27	2.52	7.19	5.79
	693	64	183	148
100J4	29.27	2.91	7.19	5.79
	744	74	183	148
112L4	30.92	2.91	8.6	6.88
	786	74	219	175
132M4	32.48	3.9	10.28	8.09
	825	99	262	206
132N4	33.98	3.9	10.28	8.09
	864	99	262	206

NOMENCLATURE
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STOCK/NON-STOCK PART NUMBERS
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WEIGHTS
PAGE RHB-372

DIMENSIONS



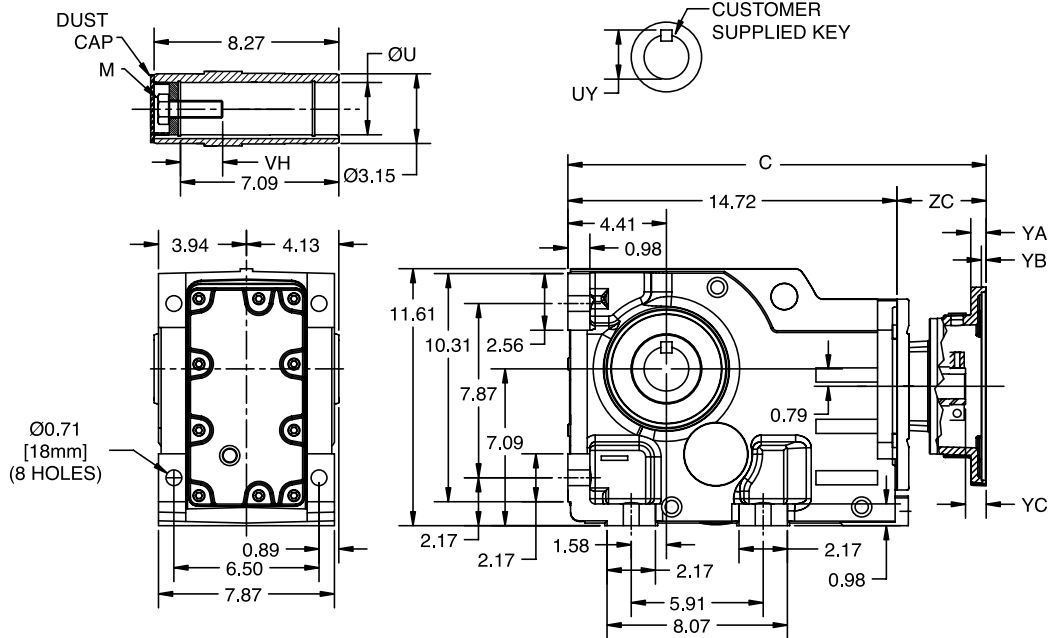
RIGHT ANGLE HELICAL BEVEL (RHB)

NEMA C-Face - Foot Mounted - Clamp Collar / 3 Piece Coupled

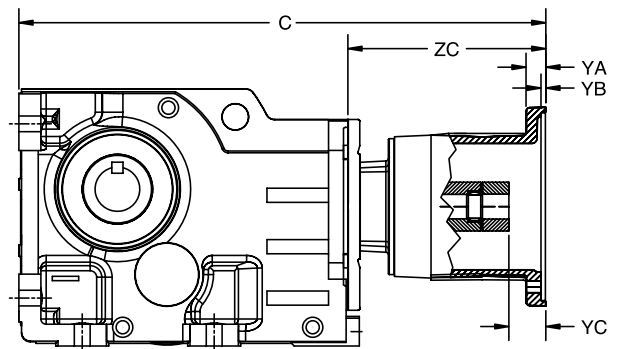
Triple Reduction

Straight Hollow Bore Output Shaft

SIZE: BB88



CLAMP COLLAR



THREE-PIECE COUPLED

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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB) NEMA C-Face - Foot Mounted - Clamp Collar / 3 Piece Coupled Triple Reduction Straight Hollow Bore Output Shaft

SIZE: BB88

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
2.000	+0.0012 +0.0004	2.23	1.89	1/2 x 1/2 x 3-5/16	3/4-10 x 2-1/4 UNC
50	+0.029 +0.010	54	48	14 x 9 x 80	M16 x 60

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
1.9375	+0.0012 +0.0004	2.17	1.89	1/2 x 1/2 x 3-7/16	5/8-11 x 2-1/4 UNC
60	+0.029 +0.010	64	58	18 x 11 x 100	M20 x 70

NEMA MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YA	YB	YC
56C	17.80	3.08	0.47	0.20	0.67
140TC	18.46	3.74	0.47	0.20	0.67
180TC	19.96	5.24	0.73	0.22	0.91
210TC	21.85	7.13	0.69	0.22	0.89

NEMA MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YA	YB	YC
56C	20.87	6.15	0.55	0.20	1.08
140TC	22.28	7.56	0.55	0.20	1.10
180TC	23.48	8.76	0.73	0.22	1.65
210TC	25.63	10.91	0.87	0.22	2.01

Refer to page Engineering-2 for Input Flange and Shaft details.
Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.
Refer to page RHB-353 for Twin Tapered Bushing details.

QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS



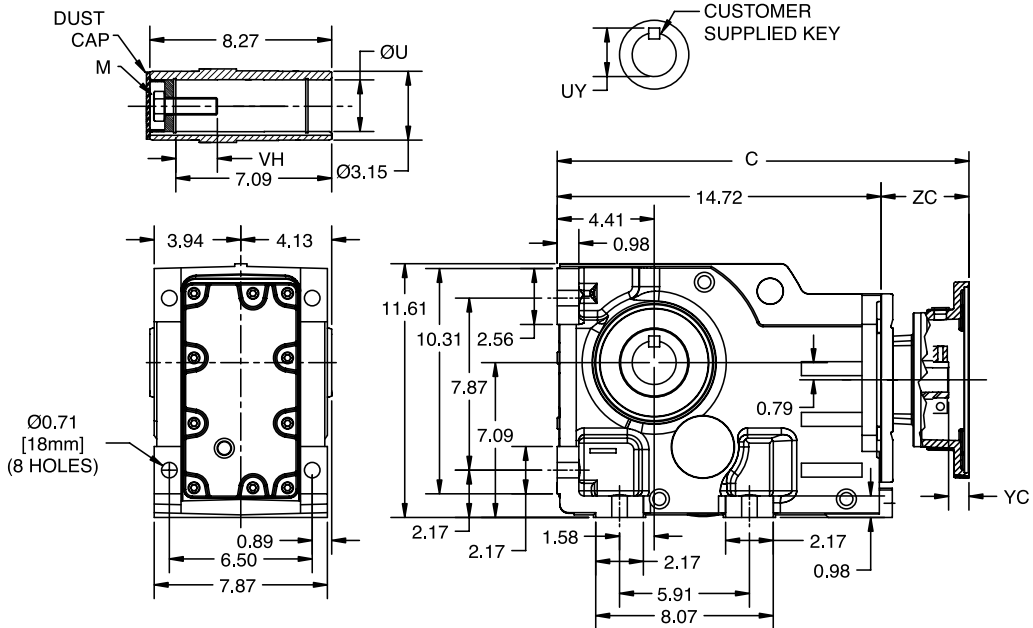
RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB88

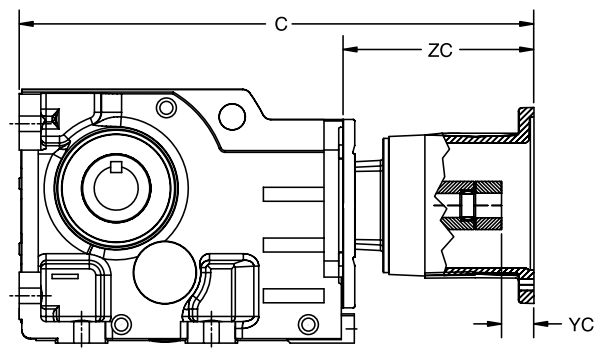
IEC D Flange (B5 Input) - Foot Mounted - Clamp Collar / 3 Piece Coupled

Triple Reduction

Straight Hollow Bore Output Shaft



CLAMP COLLAR



THREE-PIECE COUPLED

NOMENCLATURE
PAGE RHB-5

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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB88

IEC D Flange (B5 Input) - Foot Mounted - Clamp Collar / 3 Piece Coupled

Triple Reduction

Straight Hollow Bore Output Shaft

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
2.000	+0.0012 +0.0004	2.23	1.89	1/2 x 1/2 x 3-5/16	3/4-10 x 2-1/4 UNC
50	+0.029 +0.010	54	48	14 x 9 x 80	M16 x 60

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
1.9375	+0.0012 +0.0004	2.17	1.89	1/2 x 1/2 x 3-7/16	5/8-11 x 2-1/4 UNC
60	+0.029 +0.010	64	58	18 x 11 x 100	M20 x 70

IEC MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YC
71D	17.03	2.31	0.16
80D	17.97	3.25	0.61
90D	17.97	3.25	0.61
100D	18.27	3.55	0.28
112D	18.52	3.80	0.28
132D	20.14	5.42	0.87

IEC MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YC
80D	22.20	7.48	0.59
90D	22.20	7.48	1.02
100D	23.09	8.37	1.18
112D	22.97	8.25	1.18
132D	25.39	10.67	1.77

Refer to page Engineering-3 for Input Flange and Shaft details.

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-353 for Twin Tapered Bushing details.

NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS



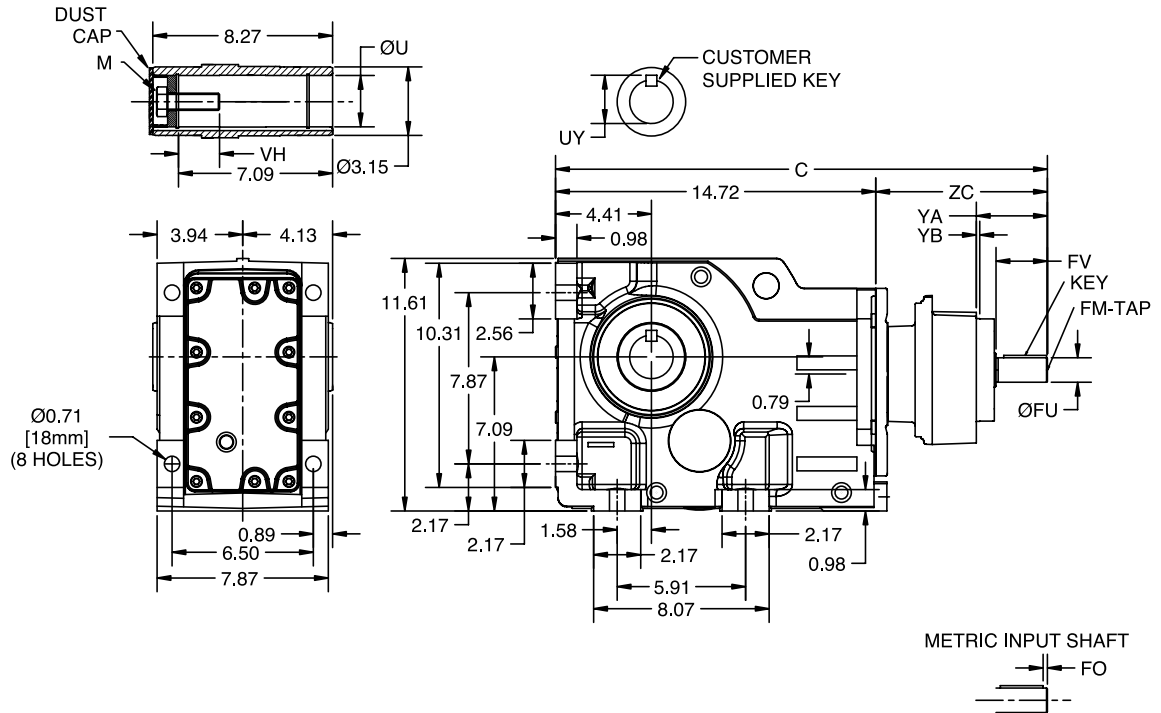
RIGHT ANGLE HELICAL BEVEL (RHB)

Separate - Foot Mounted

Triple Reduction

Straight Hollow Bore Output Shaft

SIZE: BB88



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB88

Separate - Foot Mounted

Triple Reduction

Straight Hollow Bore Output Shaft

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
2.000	+0.0012 +0.0004	2.23	1.89	1/2 x 1/2 x 3-5/16	3/4-10 x 2-1/4 UNC
50	+0.029 +0.010	54	48	14 x 9 x 80	M16 x 60

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
1.9375	+0.0012 +0.0004	2.17	1.89	1/2 x 1/2 x 3-7/16	5/8-11 x 2-1/4 UNC
60	+0.029 +0.010	64	58	18 x 11 x 100	M20 x 70

SEPARATE INPUT

Dimension - Inch/MM

	C	ZC	FO	FM x Depth	ØFU	tol.	FV	YA	YB	Key
71	20.24	5.52	---	8-32 UNC x 0.49	0.625	+0.0000 -0.0005	1.57	2.40	0.16	3/16 x 3/16 x 1-5/16
	514	140	4	M5 x 12.5	16	+0.012 +0.001	40			5 x 5 x 32
80	21.61	6.89	---	1/4 -20 UNC x 0.63	0.750	+0.0000 -0.0005	1.57	2.40	0.16	3/16 x 3/16 x 1-5/16
	549	175	4	M6 x 16	19	+0.015 +0.002	40			6 x 6 x 32
90	22.01	7.29	---	5/16-18 UNC x 0.75	0.875	+0.0000 -0.0005	1.97	2.80	0.16	3/16 x 3/16 x 1-5/8
	559	185	5	M8 x 19	24	+0.015 +0.002	50			8 x 7 x 40
100	22.64	7.92	---	3/8-16 UNC x 0.87	1.125	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	575	201	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
112	22.60	7.88	---	3/8-16 UNC x 0.87	1.250	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	574	200	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
132	25.91	11.19	---	3/8-16 UNC x 0.87	1.375	+0.0000 -0.0005	3.15	6.61	0.14	5/16 x 5/16 x 2-3/4
	658	284	5	M12 x 28	38	+0.018 +0.002	80			10 x 8 x 70

Refer to page Engineering-3 for Input Flange and Shaft details.

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-353 for Twin Tapered Bushing details.

NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS



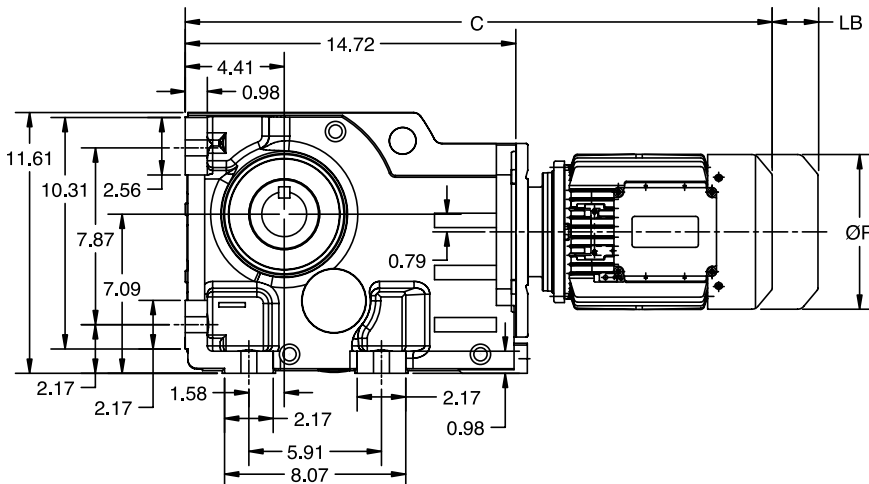
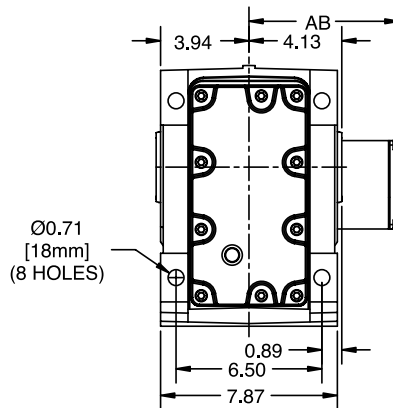
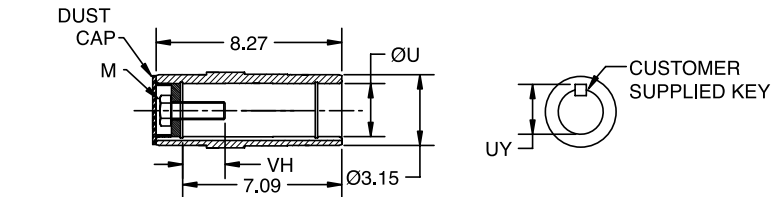
RIGHT ANGLE HELICAL BEVEL (RHB)

Integral Gearmotor - Foot Mounted

Triple Reduction

Straight Hollow Bore Output Shaft

SIZE: BB88



NOMENCLATURE
PAGE RHB-5

MOUNTING POSITIONS
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PAGE RHB-372

DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB88

Integral Gearmotor - Foot Mounted

Triple Reduction

Straight Hollow Bore Output Shaft

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
2.000	+0.0012 +0.0004	2.22	1.89	1/2 x 1/2 x 3-5/16	3/4-10 x 2-1/4 UNC
50	+0.029 +0.010	54	48	14 x 9 x 80	M16 x 60

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
1.9375	+0.0012 +0.0004	2.17	1.89	1/2 x 1/2 x 3-7/16	5/8-11 x 2-1/4 UNC
60	+0.029 +0.010	64	58	18 x 11 x 100	M20 x 70

MOTOR

Dimension - Inch/MM

Frame	C	LB	P	AB
71C4 / 71D4 / 71E4	24.82 631	1.81 46	6.19 158	5.18 132
80F4	24.96 634	2.56 65	6.19 158	5.12 131
80G4	26.46 673	2.56 65	6.19 158	5.12 131
90H4	26.39 671	2.52 64	7.19 183	5.79 148
90I4	27.27 693	2.52 64	7.19 183	5.79 148
100J4	29.27 744	2.91 74	7.19 183	5.79 148
112L4	30.92 786	2.91 74	8.6 219	6.88 175
132M4	32.48 825	3.9 99	10.28 262	8.09 206
132N4	33.98 864	3.9 99	10.28 262	8.09 206

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-353 for Twin Tapered Bushing details.

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DIMENSIONS



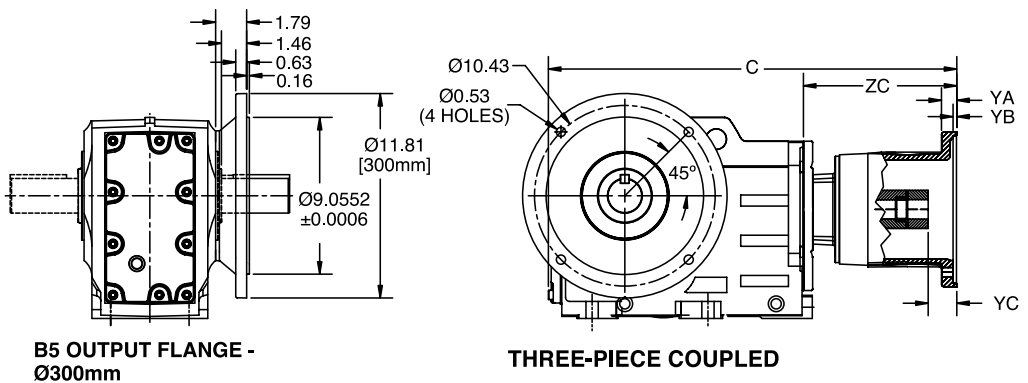
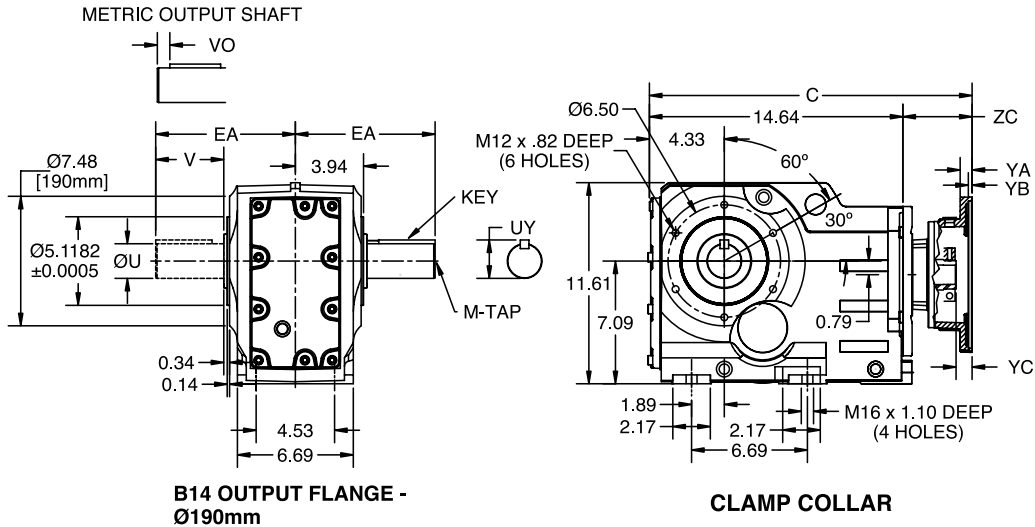
RIGHT ANGLE HELICAL BEVEL (RHB)

NEMA C-Face - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled

Triple Reduction

Solid Output Shaft

SIZE: BF88



DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF88

NEMA C-Face - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled
Triple Reduction
Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
2.000	+0.000 -0.0010	2.22	3.94	-	1/2 x 1/2 x 3-1/4	3/4-10 UNC x 1.65	8.07
50	+0.030 +0.011	54	100	10	14 x 9 x 80	M16 x 36	205

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
2.750	+0.000 -0.0010	3.03	5.51	-	5/8 x 5/8 x 4-9/16	3/4-10 UNC x 1.65	9.65
70	+0.030 +0.011	75	140	15	20 x 12 x 110	M20 x 42	245

NEMA MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YA	YB	YC
56C	17.72	3.08	0.47	0.20	0.67
140TC	18.38	3.74	0.47	0.20	0.67
180TC	19.88	5.24	0.73	0.22	0.91
210TC	21.77	7.13	0.69	0.22	0.89

NEMA MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YA	YB	YC
56C	20.79	6.15	0.55	0.20	1.08
140TC	22.20	7.56	0.55	0.20	1.10
180TC	23.40	8.76	0.73	0.22	1.65
210TC	25.55	10.91	0.87	0.22	2.01

Refer to page Engineering-2 for Input Flange and Shaft details.

QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

DIMENSIONS



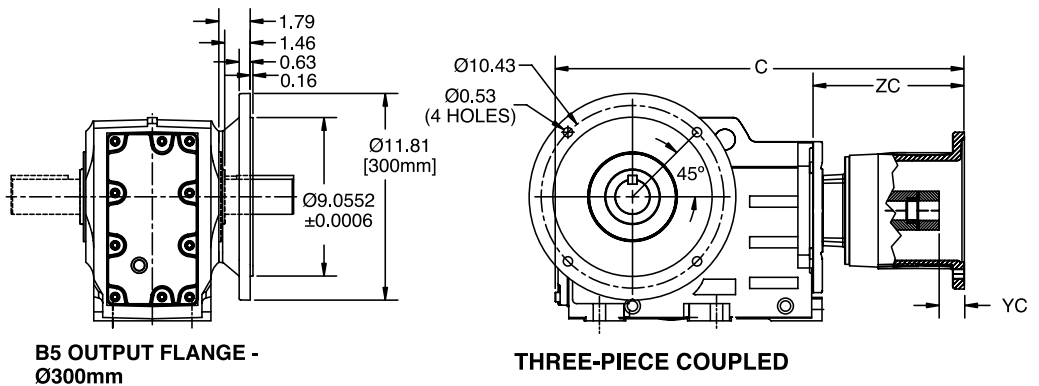
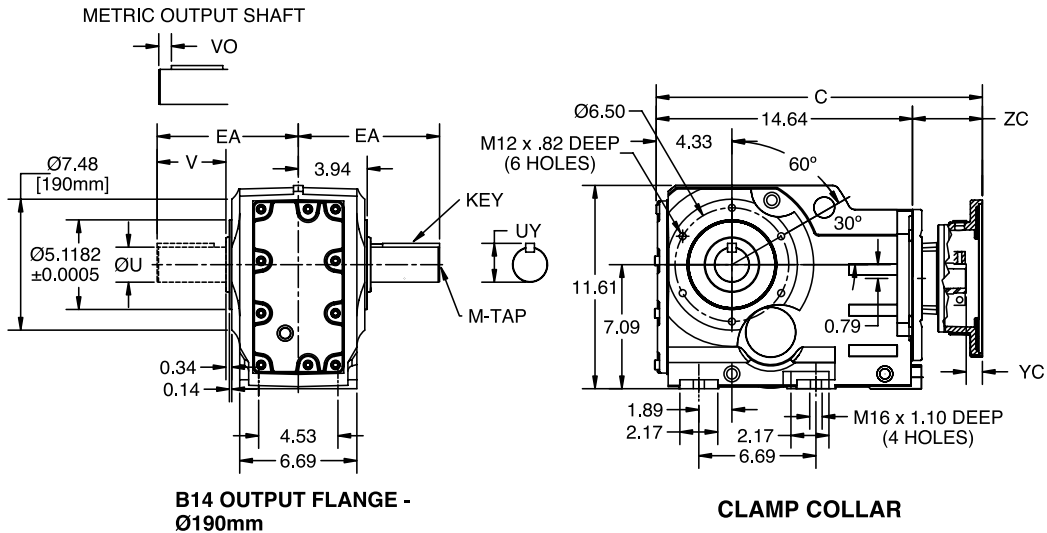
RIGHT ANGLE HELICAL BEVEL (RHB)

IEC D Flange (B5 Input) - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled

Triple Reduction

Solid Output Shaft

SIZE: BF88



DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF88

IEC D Flange (B5 Input) - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled

Triple Reduction

Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
2.000	+0.000 -0.0010	2.22	3.94	-	1/2 x 1/2 x 3-1/4	3/4-10 UNC x 1.65	8.07
50	+0.030 +0.011	54	100	10	14 x 9 x 80	M16 x 36	205

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
2.750	+0.000 -0.0010	3.03	5.51	-	5/8 x 5/8 x 4-9/16	3/4-10 UNC x 1.65	9.65
70	+0.030 +0.011	75	140	15	20 x 12 x 110	M20 x 42	245

IEC MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YC
71D	16.95	2.31	0.16
80D	17.89	3.25	0.61
90D	17.89	3.25	0.61
100D	18.19	3.55	0.28
112D	18.44	3.80	0.28
132D	20.06	5.42	0.87

IEC MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YC
80D	22.12	7.48	0.59
90D	22.12	7.48	1.02
100D	23.01	8.37	1.18
112D	22.89	8.25	1.18
132D	25.31	10.67	1.77

Refer to page Engineering-3 for Input Flange and Shaft details

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DIMENSIONS



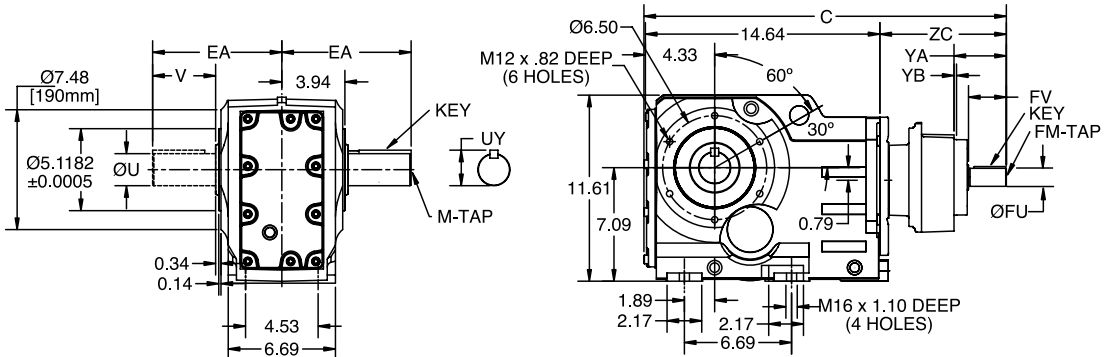
RIGHT ANGLE HELICAL BEVEL (RHB)

Separate - Flange Mounted (B5 / B14)

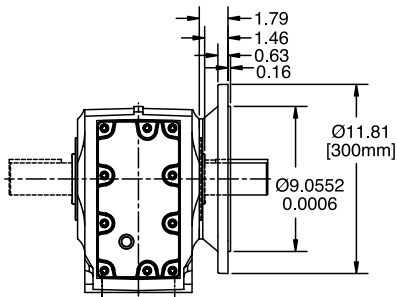
Triple Reduction

Solid Output Shaft

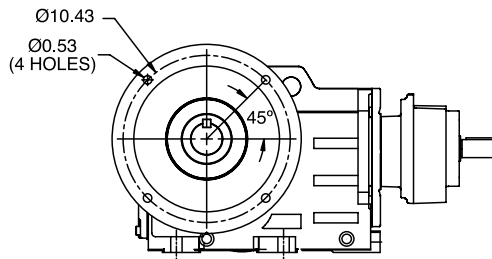
SIZE: BF88



**B14 OUTPUT FLANGE -
Ø190mm**



**B5 OUTPUT FLANGE -
Ø300mm**



METRIC OUTPUT SHAFT



METRIC INPUT SHAFT



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF88

Separate - Flange Mounted (B5 / B14)

Triple Reduction

Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
2	0 -0.001	2.22	3.94	-	1/2 x 1/2 x 3-1/4	3/4-10 UNC x 1.65	8.07
50	0.03 0.011	54	100	10	14 x 9 x 80	M16 x 36	205

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
2.75	0 -0.001	3.03	5.51	-	5/8 x 5/8 x 4-9/16	3/4-10 UNC x 1.65	9.65
70	0.03 0.011	75	140	15	20 x 12 x 110	M20 x 42	245

SEPARATE INPUT

Dimension - Inch/MM

	C	ZC	F0	FM x Depth	ØFU	tol.	FV	YA	YB	Key
71	20.16	5.52	---	8-32 UNC x 0.49	0.625	+0.0000 -0.0005	1.57	2.40	0.16	3/16 x 3/16 x 1-5/16
	512	140	4	M5 x 12.5	16	+0.012 +0.001	40			5 x 5 x 32
80	21.53	6.89	---	1/4 -20 UNC x 0.63	0.750	+0.0000 -0.0005	1.57	2.40	0.16	3/16 x 3/16 x 1-5/16
	547	175	4	M6 x 16	19	+0.015 +0.002	40			6 x 6 x 32
90	21.93	7.29	---	5/16-18 UNC x 0.75	0.875	+0.0000 -0.0005	1.97	2.80	0.16	3/16 x 3/16 x 1-5/8
	557	185	5	M8 x 19	24	+0.015 +0.002	50			8 x 7 x 40
100	22.56	7.92	---	3/8-16 UNC x 0.87	1.125	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	573	201	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
112	22.52	7.88	---	3/8-16 UNC x 0.87	1.250	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	572	200	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
132	25.83	11.19	---	3/8-16 UNC x 0.87	1.375	+0.0000 -0.0005	3.15	6.61	0.14	5/16 x 5/16 x 2-3/4
	656	284	5	M12 x 28	38	+0.018 +0.002	80			10 x 8 x 70

Refer to page Engineering-4 for Input Flange and Shaft details

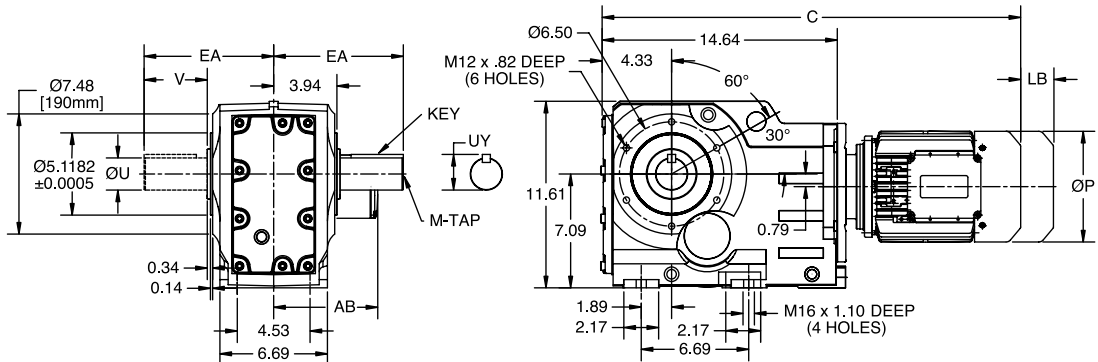
NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS

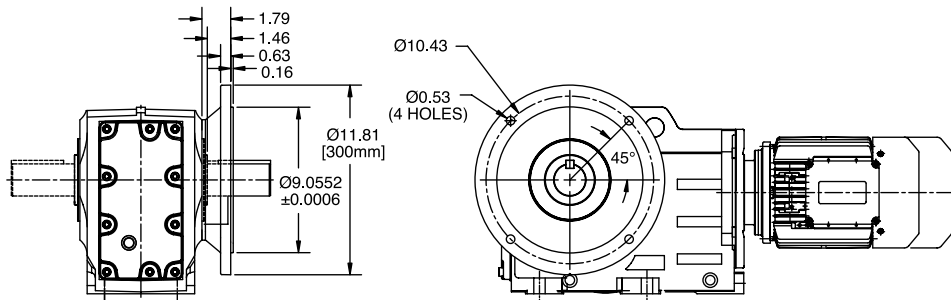


RIGHT ANGLE HELICAL BEVEL (RHB) Integral Gearmotor - Flange Mounted (B5 / B14) Triple Reduction Solid Output Shaft

SIZE: BF88



**B14 OUTPUT FLANGE -
Ø190mm**



**B5 OUTPUT FLANGE -
Ø300mm**

METRIC OUTPUT SHAFT



DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB) Integral Gearmotor - Flange Mounted (B5 / B14) Triple Reduction Solid Output Shaft

SIZE: BF88

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
2.000	+0.000 -0.0010	2.22	3.94	-	1/2 x 1/2 x 3-1/4	3/4-10 UNC x 1.65	8.07
50	+0.018 +0.002	54	100	10	14 x 9 x 80	M16 x 36	205

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
2.750	+0.000 -0.0010	3.03	5.51	-	5/8 x 5/8 x 4-9/16	3/4-10 UNC x 1.65	9.65
70	+0.030 +0.011	75	140	15	20 x 12 x 110	M20 x 42	245

MOTOR

Dimension - Inch/MM

Frame	C	LB	P	AB
71C4 / 71D4 / 71E4	24.74	1.81	6.19	5.18
	629	46	158	132
80F4	24.88	2.56	6.19	5.12
	632	65	158	131
80G4	26.38	2.56	6.19	5.12
	671	65	158	131
90H4	26.31	2.52	7.19	5.79
	669	64	183	148
90I4	27.19	2.52	7.19	5.79
	691	64	183	148
100J4	29.19	2.91	7.19	5.79
	742	74	183	148
112L4	30.84	2.91	8.6	6.88
	784	74	219	175
132M4	32.4	3.90	10.28	8.09
	823	99	262	206
132N4	33.9	3.90	10.28	8.09
	862	99	262	206

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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF88

NEMA C-Face - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled

Triple Reduction

Straight Hollow Bore Output Shaft

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
2.000	+0.0012 +0.0004	2.23	1.89	1/2 x 1/2 x 3-5/16	3/4-10 x 2-1/4 UNC
50	+0.029 +0.010	54	48	14 x 9 x 80	M16 x 60

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
1.9375	+0.0012 +0.0004	2.17	1.89	1/2 x 1/2 x 3-7/16	5/8-11 x 2-1/4 UNC
60	+0.029 +0.010	64	58	18 x 11 x 100	M20 x 70

NEMA MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YA	YB	YC
56C	17.72	3.08	0.47	0.20	0.67
140TC	18.38	3.74	0.47	0.20	0.67
180TC	19.88	5.24	0.73	0.22	0.91
210TC	21.77	7.13	0.69	0.22	0.89

NEMA MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YA	YB	YC
56C	20.79	6.15	0.55	0.20	1.08
140TC	22.20	7.56	0.55	0.20	1.10
180TC	23.40	8.76	0.73	0.22	1.65
210TC	25.55	10.91	0.87	0.22	2.01

Refer to page Engineering-2 for Input Flange and Shaft details.

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-353 for Twin Tapered Bushing details.

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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF88

IEC D Flange (B5 Input) - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled
Triple Reduction

Straight Hollow Bore Output Shaft

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
2.000	+0.0012 +0.0004	2.23	1.89	1/2 x 1/2 x 3-5/16	3/4-10 x 2-1/4 UNC
50	+0.029 +0.010	54	48	14 x 9 x 80	M16 x 60

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
1.9375	+0.0012 +0.0004	2.17	1.89	1/2 x 1/2 x 3-7/16	5/8-11 x 2-1/4 UNC
60	+0.029 +0.010	64	58	18 x 11 x 100	M20 x 70

IEC MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YC
71D	16.95	2.31	0.16
80D	17.89	3.25	0.61
90D	17.89	3.25	0.61
100D	18.19	3.55	0.28
112D	18.44	3.80	0.28
132D	20.06	5.42	0.87

IEC MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YC
80D	22.12	7.48	0.59
90D	22.12	7.48	1.02
100D	23.01	8.37	1.18
112D	22.89	8.25	1.18
132D	25.31	10.67	1.77

Refer to page Engineering-3 for Input Flange and Shaft details.

Refer to page Engineering-9 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-353 for Twin Tapered Bushing details.

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DIMENSIONS



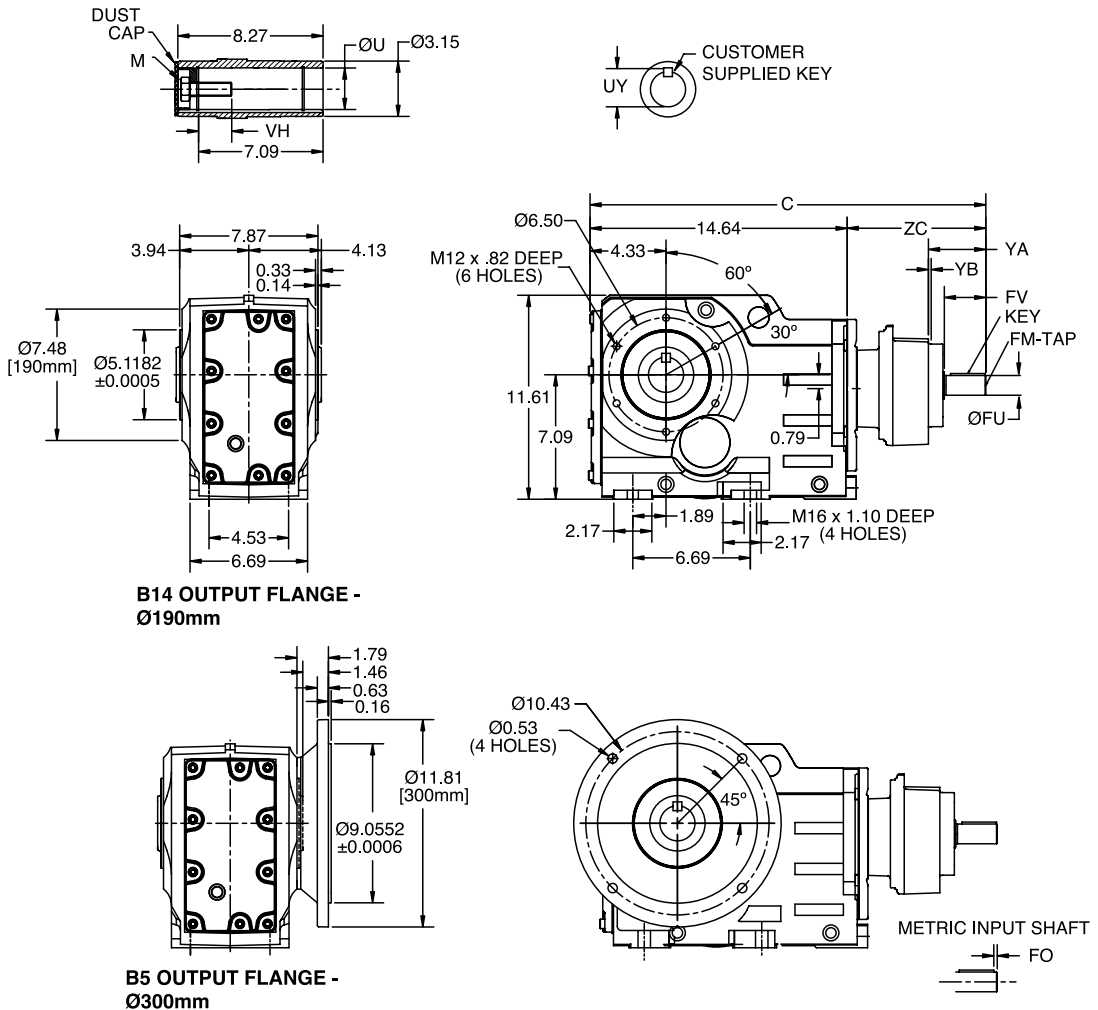
RIGHT ANGLE HELICAL BEVEL (RHB)

Separate - Flange Mounted (B5 / B14)

Triple Reduction

Straight Hollow Bore Output Shaft

SIZE: BF88



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF88

Separate - Flange Mounted (B5 / B14)

Triple Reduction

Straight Hollow Bore Output Shaft

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
2.000	+0.0012 +0.0004	2.23	1.89	1/2 x 1/2 x 3-5/16	3/4-10 x 2-1/4 UNC
50	+0.029 +0.010	54	48	14 x 9 x 80	M16 x 60

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
1.9375	+0.0012 +0.0004	2.17	1.89	1/2 x 1/2 x 3-7/16	5/8-11 x 2-1/4 UNC
60	+0.029 +0.010	64	58	18 x 11 x 100	M20 x 70

SEPARATE INPUT

Dimension - Inch/MM

	C	ZC	F0	FM x Depth	ØFU	tol.	FV	YA	YB	Key
71	20.16	5.52	---	8-32 UNC x 0.49	0.625	+0.0000 -0.0005	1.57	2.40	0.16	3/16 x 3/16 x 1-5/16
	512	140	4	M5 x 12.5	16	+0.012 +0.001	40			5 x 5 x 32
80	21.53	6.89	---	1/4 -20 UNC x 0.63	0.750	+0.0000 -0.0005	1.57	2.40	0.16	3/16 x 3/16 x 1-5/16
	547	175	4	M6 x 16	19	+0.015 +0.002	40			6 x 6 x 32
90	21.93	7.29	---	5/16-18 UNC x 0.75	0.875	+0.0000 -0.0005	1.97	2.80	0.16	3/16 x 3/16 x 1-5/8
	557	185	5	M8 x 19	24	+0.015 +0.002	50			8 x 7 x 40
100	22.56	7.92	---	3/8-16 UNC x 0.87	1.125	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	573	201	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
112	22.52	7.88	---	3/8-16 UNC x 0.87	1.250	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	572	200	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
132	25.83	11.19	---	3/8-16 UNC x 0.87	1.375	+0.0000 -0.0005	3.15	6.61	0.14	5/16 x 5/16 x 2-3/4
	656	284	5	M12 x 28	38	+0.018 +0.002	80			10 x 8 x 70

Refer to page Engineering-4 for Input Flange and Shaft details.

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-353 for Twin Tapered Bushing details.

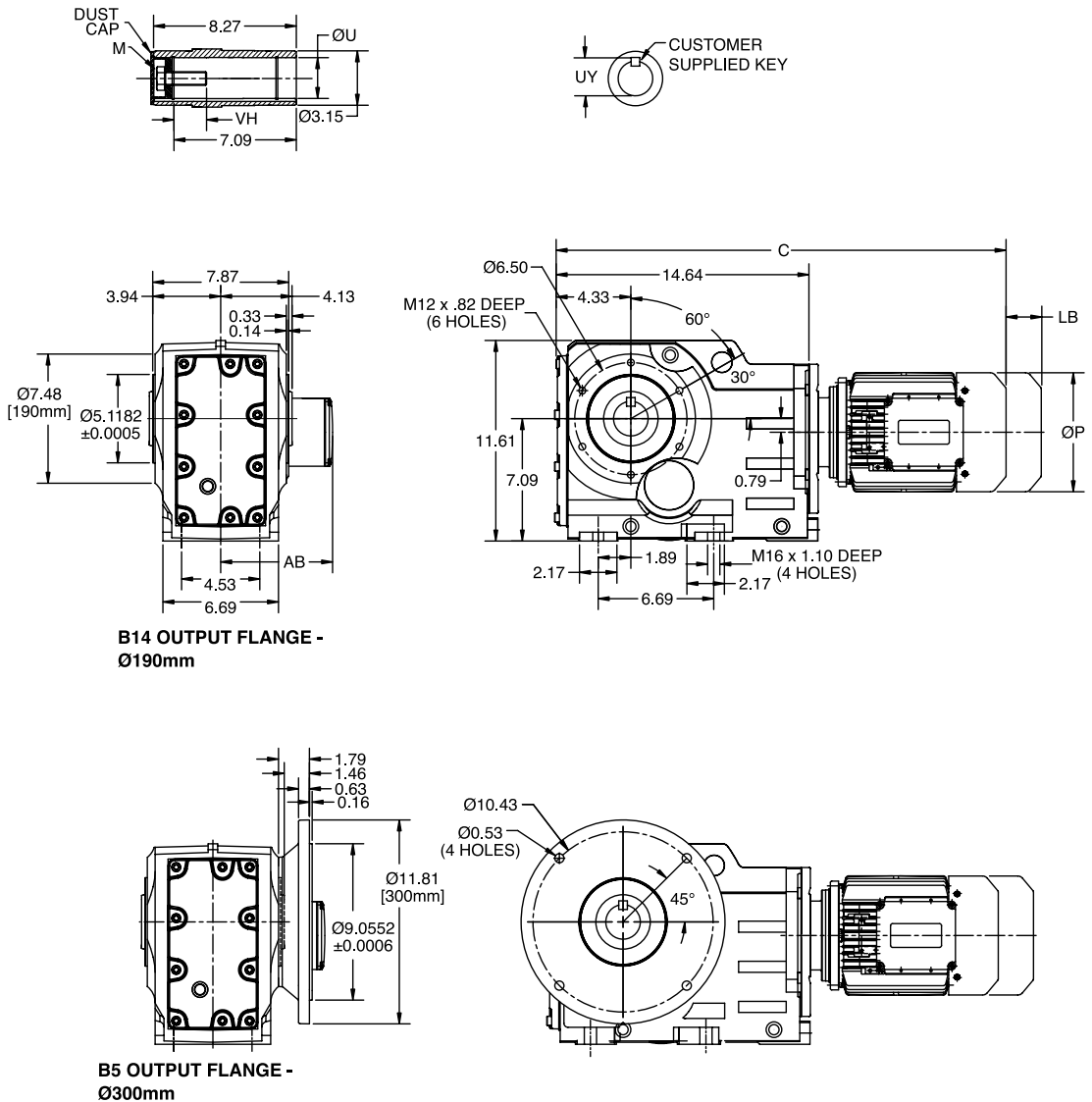
NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB) Integral Gearmotor - Flange Mounted (B5 / B14) Triple Reduction Straight Hollow Bore Output Shaft

SIZE: BF88



DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB) Integral Gearmotor - Flange Mounted (B5 / B14) Triple Reduction Straight Hollow Bore Output Shaft

SIZE: BF88

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
2.000	+0.0012 +0.0004	2.22	1.89	1/2 x 1/2 x 3-5/16	3/4-10 x 2-1/4 UNC
50	+0.029 +0.010	54	48	14 x 9 x 80	M16 x 60

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
1.9375	+0.0012 +0.0004	2.17	1.89	1/2 x 1/2 x 3-7/16	5/8-11 x 2-1/4 UNC
60	+0.029 +0.010	64	58	18 x 11 x 100	M20 x 70

MOTOR

Dimension - Inch/MM

Frame	C	LB	P	AB
71C4 / 71D4 / 71E4	24.74	1.81	6.19	5.18
	629	46	158	132
80F4	24.88	2.56	6.19	5.12
	632	65	158	131
80G4	26.38	2.56	6.19	5.12
	671	65	158	131
90H4	26.31	2.52	7.19	5.79
	669	64	183	148
90I4	27.19	2.52	7.19	5.79
	691	64	183	148
100J4	29.19	2.91	7.19	5.79
	742	74	183	148
112L4	30.84	2.91	8.6	6.88
	784	74	219	175
132M4	32.4	3.9	10.28	8.09
	823	99	262	206
132N4	33.9	3.9	10.28	8.09
	862	99	262	206

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.
Refer to page RHB-353 for Twin Tapered Bushing details.

NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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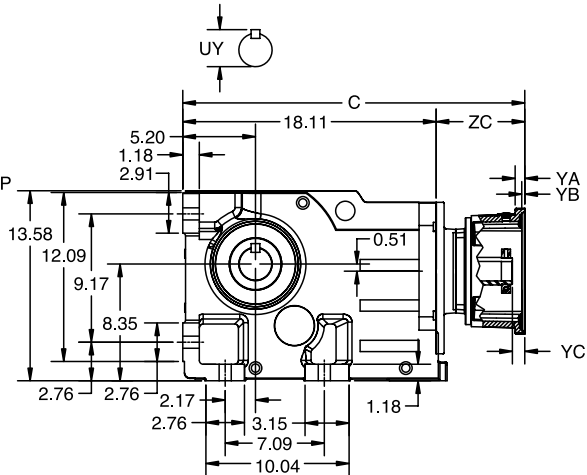
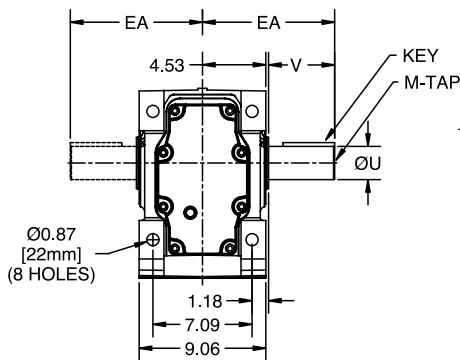
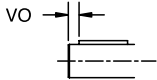
DIMENSIONS



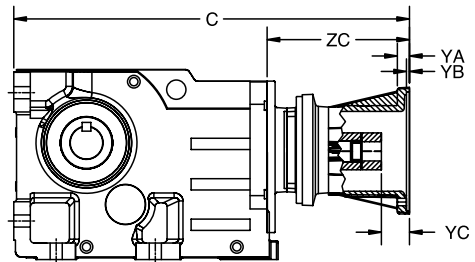
RIGHT ANGLE HELICAL BEVEL (RHB) NEMA C-Face - Foot Mounted - Clamp Collar / 3 Piece Coupled Triple Reduction Solid Output Shaft

SIZE: BB108

METRIC OUTPUT SHAFT



CLAMP COLLAR



THREE-PIECE COUPLED

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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB) NEMA C-Face - Foot Mounted - Clamp Collar / 3 Piece Coupled Triple Reduction Solid Output Shaft

SIZE: BB108

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
2.375	+0.0000 -0.0010	2.65	4.72	-	5/8 x 5/8 x 3-11/16	3/4-10 UNC x 1.65	9.45
60	+0.030 +0.011	64	120	5	18 x 11 x 100	M20 x 42	240

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
3.1875	+0.0000 -0.0010	3.52	6.69	-	3/4 x 3/4 x 5-3/8	3/4-10 UNC x 1.65	11.42
80	+0.030 +0.011	85	170	20	22 x 14 x 125	M20 x 42	290

NEMA MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YA	YB	YC
140TC	21.28	3.17	0.47	0.20	0.67
180TC	22.64	4.53	0.73	0.22	0.91
210TC	24.53	6.42	0.69	0.22	0.89
250TC	24.47	6.36	0.95	0.20	1.13

NEMA MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YA	YB	YC
140TC	25.08	6.97	0.55	0.20	1.10
180TC	26.14	8.03	0.73	0.22	1.65
210TC	28.29	10.18	0.87	0.22	2.01
250TC	30.24	12.13	0.95	0.20	2.17

Refer to page Engineering-2 for Input Flange and Shaft details.

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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

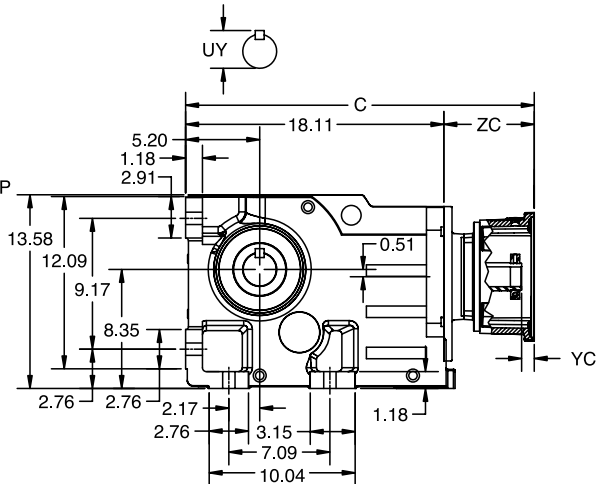
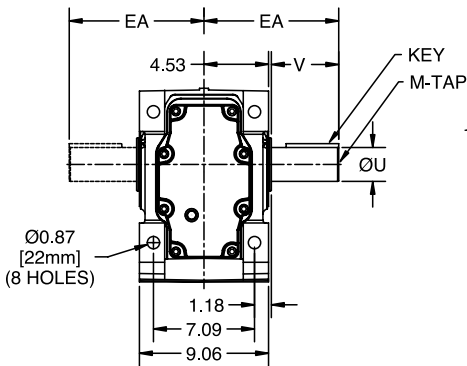
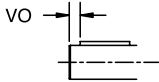
SIZE: BB108

IEC D Flange (B5 Input) - Foot Mounted - Clamp Collar / 3 Piece Coupled

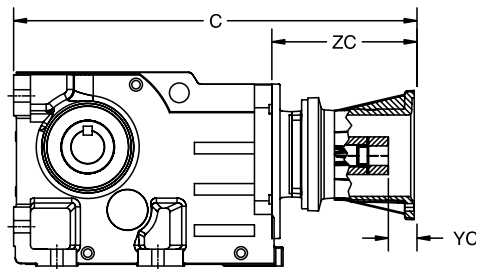
Triple Reduction

Solid Output Shaft

METRIC OUTPUT SHAFT



CLAMP COLLAR



THREE-PIECE COUPLED

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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB108

IEC D Flange (B5 Input) - Foot Mounted - Clamp Collar / 3 Piece Coupled

Triple Reduction

Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
2.375	+0.000 -0.0010	2.65	4.72	-	5/8 x 5/8 x 3-11/16	3/4-10 UNC x 1.65	9.45
60	+0.030 +0.011	64	120	5	18 x 11 x 100	M20 x 42	240

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
3.1875	+0.000 -0.0010	3.52	6.69	-	3/4 x 3/4 x 5-3/8	3/4-10 UNC x 1.65	11.42
80	+0.030 +0.011	85	170	20	22 x 14 x 125	M20 x 42	290

IEC MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YC
80D	20.77	2.66	0.61
90D	20.77	2.66	0.61
100D	20.96	2.85	0.28
112D	21.18	3.07	0.28
132D	22.80	4.69	0.87
160D	24.50	6.39	0.79

IEC MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YC
80D	25.00	6.89	0.59
90D	25.00	6.89	1.02
100D	25.79	7.68	1.18
112D	25.63	7.52	1.18
132D	28.05	9.94	1.77
160D	30.67	12.56	2.60

Refer to page Engineering-3 for Input Flange and Shaft details.

QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

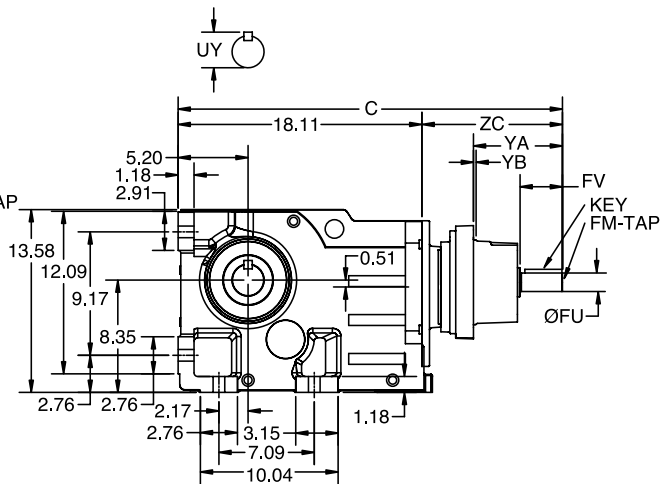
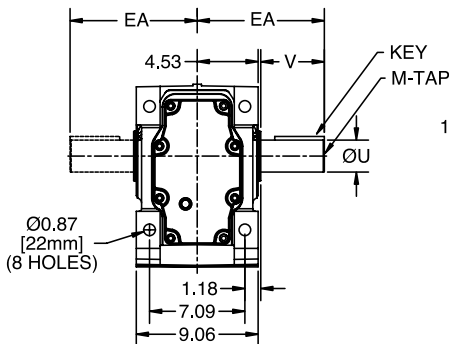
Separate - Foot Mounted

Triple Reduction

Solid Output Shaft

SIZE: BB108

METRIC OUTPUT SHAFT



METRIC INPUT SHAFT



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RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB108

Separate - Foot Mounted

Triple Reduction

Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
2.375	+0.000 -0.0010	2.65	4.72	-	5/8 x 5/8 x 3-11/16	3/4-10 UNC x 1.65	9.45
60	+0.030 +0.011	64	120	5	18 x 11 x 100	M20 x 42	240

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
3.1875	+0.000 -0.0010	3.52	6.69	-	3/4 x 3/4 x 5-3/8	3/4-10 UNC x 1.65	11.42
80	+0.030 +0.011	85	170	20	22 x 14 x 125	M20 x 42	290

SEPARATE INPUT

Dimension - Inch/MM

	C	ZC	F0	FM x Depth	ØFU	tol.	FV	YA	YB	Key
80	24.41	6.30	---	1/4-20 UNC x 0.63	0.75	+0.0000 -0.0005	1.57	2.40	0.16	3/16 x 3/16 x 1-5/16
	620	160	4	M6 x 16	19	+0.015 +0.002	40			6 x 6 x 32
90	24.80	6.69	---	5/16-18 UNC x 0.75	0.875	+0.0000 -0.0005	1.97	2.80	0.16	3/16 x 3/16 x 1-5/8
	630	170	5	M8 x 19	24	+0.015 +0.002	50			8 x 7 x 40
100	25.31	7.20	---	3/8-16 UNC x 0.87	1.125	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	643	183	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
112	25.24	7.13	---	3/8-16 UNC x 0.87	1.250	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	641	181	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
132	28.58	10.47	---	3/8-16 UNC x 0.87	1.375	+0.0000 -0.0005	3.15	6.61	0.14	5/16 x 5/16 x 2-3/4
	726	266	5	M12 x 28	38	+0.018 +0.002	80			10 x 8 x 70
160	30.28	12.17	---	5/8-11 UNC x 1.42	1.625	+0.0000 -0.0010	4.33	8.46	0.14	3/8 x 3/8 x 3-1/2
	769	309	10	M16 x 36	42	+0.018 +0.002	110			12 x 8 x 90

Refer to page Engineering-4 for Input Flange and Shaft details.

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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

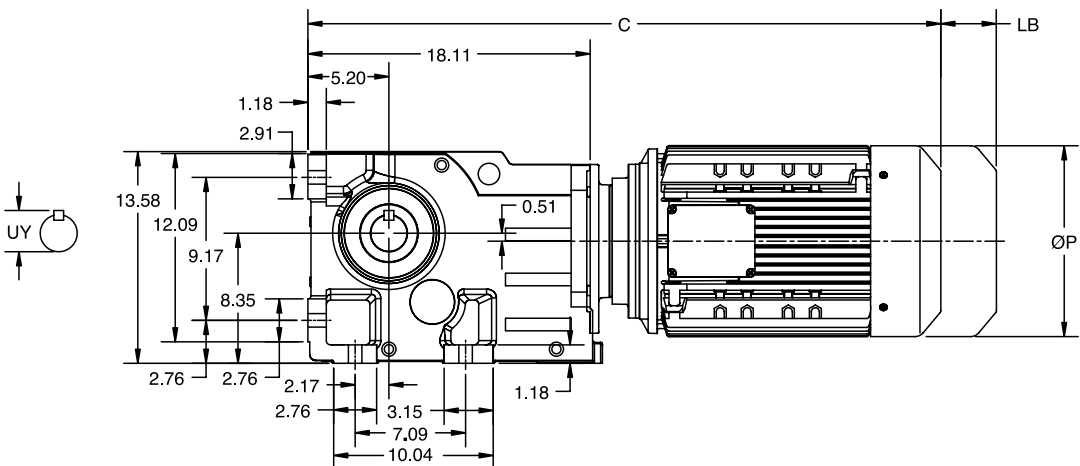
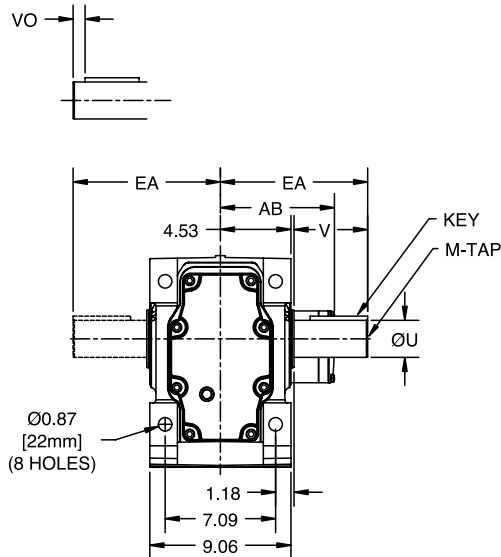
Integral Gearmotor - Foot Mounted

Triple Reduction

Solid Output Shaft

SIZE: BB108

METRIC OUTPUT SHAFT



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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB108

Integral Gearmotor - Foot Mounted

Triple Reduction

Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
2.375	+0.000 -0.0010	2.65	4.72	-	5/8 x 5/8 x 3-11/16	3/4-10 UNC x 1.65	9.45
60	+0.030 +0.011	64	120	10	18 x 11 x 100	M20 x 42	240

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
3.1875	+0.000 -0.0010	3.52	6.69	-	3/4 x 3/4 x 5-3/8	3/4-10 UNC x 1.65	11.42
80	+0.030 +0.011	85	170	20	22 x 14 x 125	M20 x 42	290

MOTOR

Dimension - Inch/MM

Frame	C	LB	P	AB
80F4	27.75	2.56	6.19	5.12
	705	65	158	131
80G4	29.25	2.56	6.19	5.12
	743	65	158	131
90H4	29.18	2.52	7.19	5.79
	742	64	183	148
90I4	30.07	2.52	7.19	5.79
	764	64	183	148
100J4	31.97	2.91	7.19	5.79
	813	74	183	148
112L4	33.58	2.91	8.6	6.88
	853	74	219	175
132M4	35.14	3.9	10.28	8.09
	893	99	262	206
132N4	36.64	3.9	10.28	8.09
	931	99	262	206

NOMENCLATURE
PAGE RHB-5

MOUNTING POSITIONS
PAGE RHB-11

STOCK/NON-STOCK PART NUMBERS
PAGE RHB-50

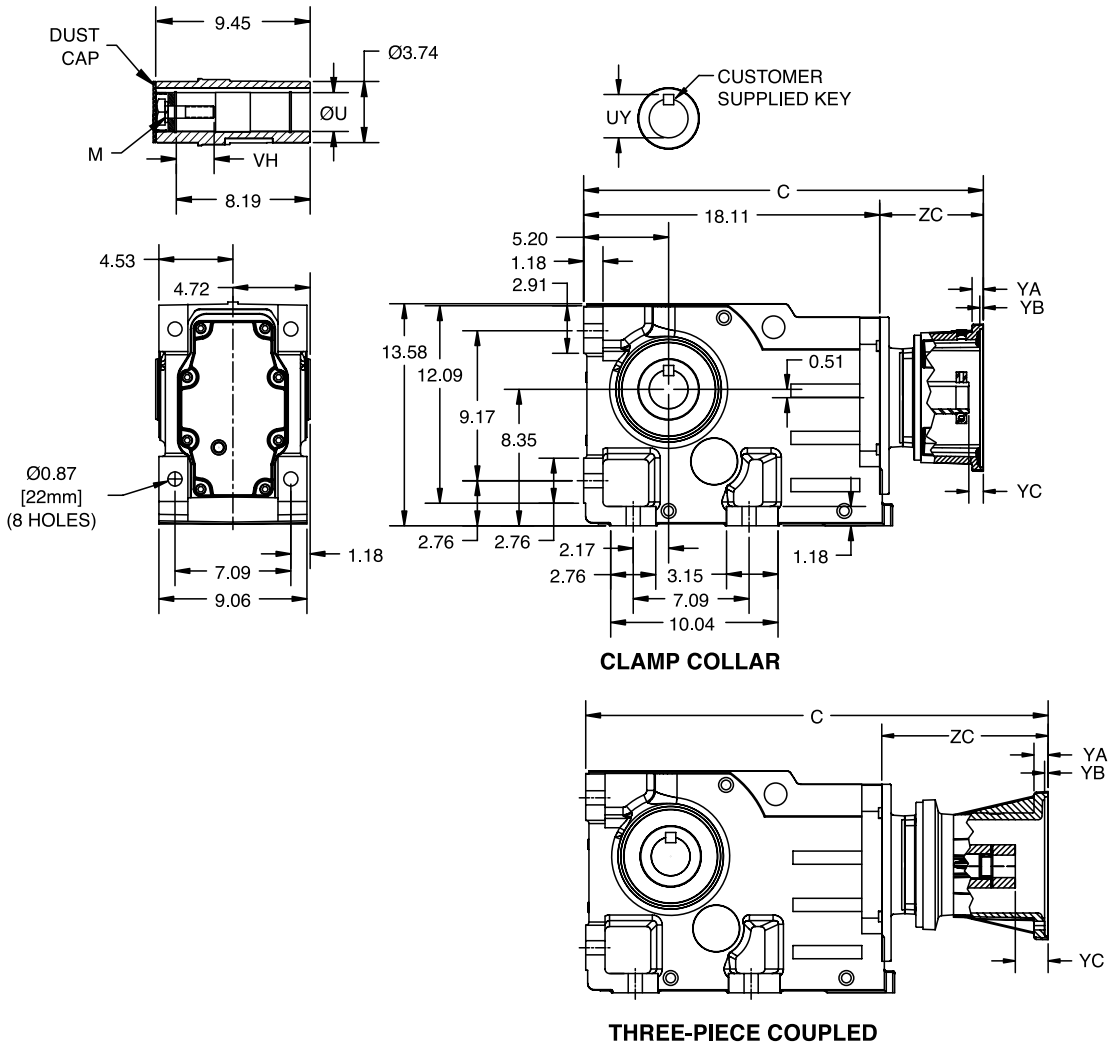
WEIGHTS
PAGE RHB-372

DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB) NEMA C-Face - Foot Mounted - Clamp Collar / 3 Piece Coupled Triple Reduction Straight Hollow Bore Output Shaft

SIZE: BB108



CLAMP COLLAR

THREE-PIECE COUPLED

DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB) NEMA C-Face - Foot Mounted - Clamp Collar / 3 Piece Coupled Triple Reduction Straight Hollow Bore Output Shaft

SIZE: BB108

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
2.375	+0.0012 +0.0004	2.66	2.53	5/8 x 5/8 x 4-1/16	3/4-10 x 3 UNC
60	+0.029 +0.010	64	68	18 x 11 x 100	M20 x 80

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
2.4375	+0.0012 +0.0004	2.72	2.51	5/8 x 5/8 x 4	3/4-10 x 3 UNC
70	+0.029 +0.010	75	67	20 x 12 x 110	M20 x 80

NEMA MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YA	YB	YC
140TC	21.28	3.17	0.47	0.20	0.67
180TC	22.64	4.53	0.73	0.22	0.91
210TC	24.53	6.42	0.69	0.22	0.89
250TC	24.47	6.36	0.95	0.20	1.13

NEMA MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YA	YB	YC
140TC	25.08	6.97	0.55	0.20	1.10
180TC	26.14	8.03	0.73	0.22	1.65
210TC	28.29	10.18	0.87	0.22	2.01
250TC	30.24	12.13	0.95	0.20	2.17

Refer to page Engineering-2 for Input Flange and Shaft details.
Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.
Refer to page RHB-354 for Twin Tapered Bushing details.

QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS



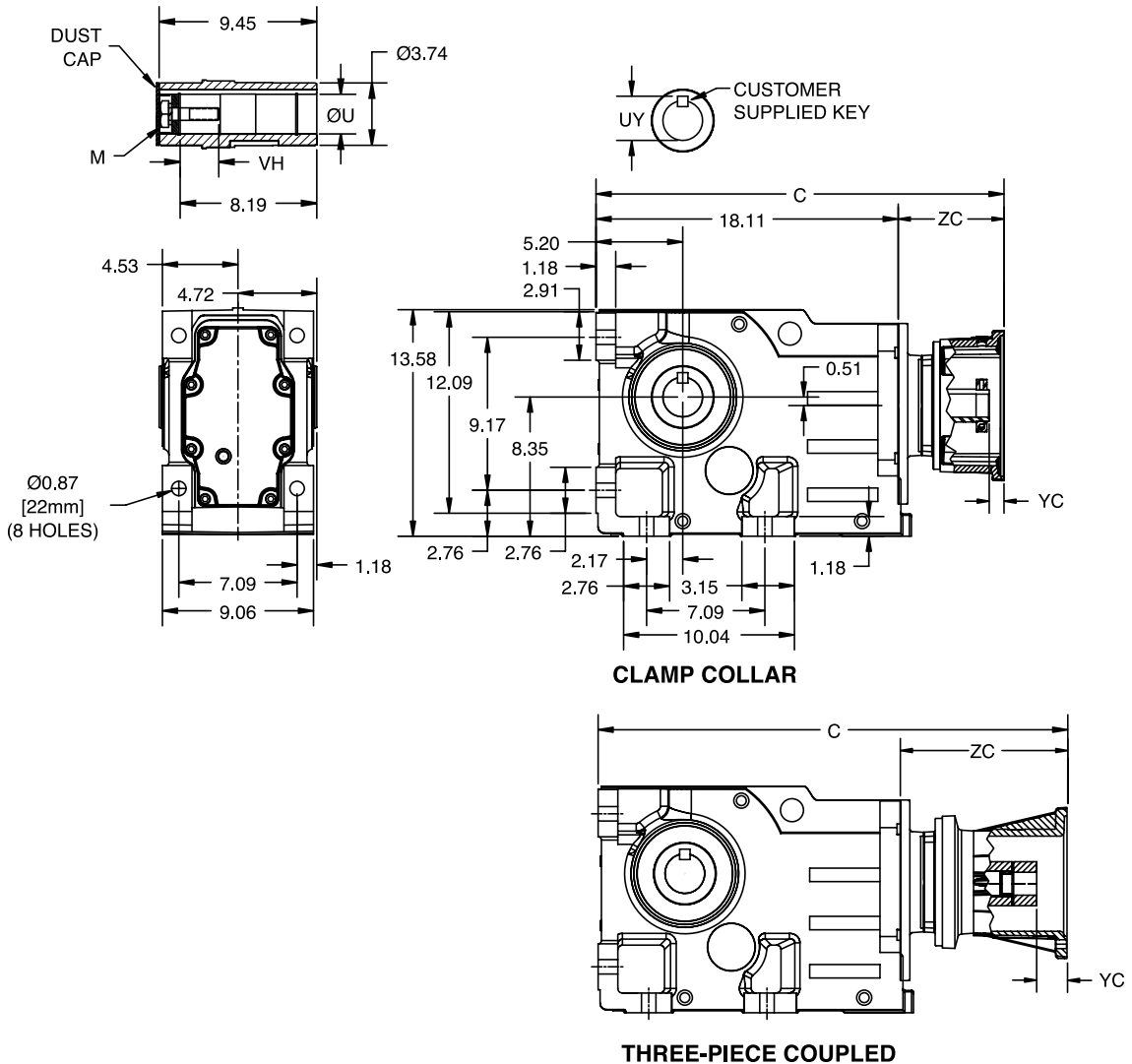
RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB108

IEC D Flange (B5 Input) - Foot Mounted - Clamp Collar / 3 Piece Coupled

Triple Reduction

Straight Hollow Bore Output Shaft



CLAMP COLLAR

THREE-PIECE COUPLED

NOMENCLATURE
PAGE RHB-5

MOUNTING POSITIONS
PAGE RHB-11

STOCK/NON-STOCK PART NUMBERS
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WEIGHTS
PAGE RHB-372

DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB108

IEC D Flange (B5 Input) - Foot Mounted - Clamp Collar / 3 Piece Coupled

Triple Reduction

Straight Hollow Bore Output Shaft

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
2.375	+0.0012 +0.0004	2.66	2.53	5/8 x 5/8 x 4-1/16	3/4-10 x 3 UNC
60	+0.029 +0.010	64	68	18 x 11 x 100	M20 x 80

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
2.4375	+0.0012 +0.0004	2.72	2.51	5/8 x 5/8 x 4	3/4-10 x 3 UNC
70	+0.029 +0.010	75	67	20 x 12 x 110	M20 x 80

IEC MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YC
80D	20.77	2.66	0.61
90D	20.77	2.66	0.61
100D	20.96	2.85	0.28
112D	21.18	3.07	0.28
132D	22.80	4.69	0.87
160D	24.50	6.39	0.79

IEC MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YC
80D	25.00	6.89	0.59
90D	25.00	6.89	1.02
100D	25.79	7.68	1.18
112D	25.63	7.52	1.18
132D	28.05	9.94	1.77
160D	30.67	12.56	2.60

Refer to page Engineering-3 for Input Flange and Shaft details.

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-354 for Twin Tapered Bushing details.

NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB108

Separate - Foot Mounted

Triple Reduction

Straight Hollow Bore Output Shaft

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
2.375	+0.0012 +0.0004	2.66	2.53	5/8 x 5/8 x 4-1/16	3/4-10 x 3 UNC
60	+0.029 +0.010	64	68	18 x 11 x 100	M20 x 80

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
2.4375	+0.0012 +0.0004	2.72	2.51	5/8 x 5/8 x 4	3/4-10 x 3 UNC
70	+0.029 +0.010	75	67	20 x 12 x 110	M20 x 80

SEPARATE INPUT

Dimension - Inch/MM

	C	ZC	FO	FM x Depth	ØFU	tol.	FV	YA	YB	Key
80	24.41	6.30	---	1/4-20 UNC x 0.63	0.75	+0.0000 -0.0005	1.57	2.40	0.16	3/16 x 3/16 x 1-5/16
	620	160	4	M6 x 16	19	+0.015 +0.002	40			6 x 6 x 32
90	24.80	6.69	---	5/16-18 UNC x 0.75	0.875	+0.0000 -0.0005	1.97	2.80	0.16	3/16 x 3/16 x 1-5/8
	630	170	5	M8 x 19	24	+0.015 +0.002	50			8 x 7 x 40
100	25.31	7.20	---	3/8-16 UNC x 0.87	1.125	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	643	183	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
112	25.24	7.13	---	3/8-16 UNC x 0.87	1.250	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	641	181	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
132	28.58	10.47	---	3/8-16 UNC x 0.87	1.375	+0.0000 -0.0005	3.15	6.61	0.14	5/16 x 5/16 x 2-3/4
	726	266	5	M12 x 28	38	+0.018 +0.002	80			10 x 8 x 70
160	30.28	12.17	---	5/8-11 UNC x 1.42	1.625	+0.0000 -0.0010	4.33	8.46	0.14	3/8 x 3/8 x 3-1/2
	769	309	10	M16 x 36	42	+0.018 +0.002	110			12 x 8 x 90

Refer to page Engineering-4 for Input Flange and Shaft details.

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-354 for Twin Tapered Bushing details.

NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB108

Integral Gearmotor - Foot Mounted

Triple Reduction

Straight Hollow Bore Output Shaft

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
2.375	+0.0012 +0.0004	2.66	2.53	5/8 x 5/8 x 4-1/16	3/4-10 x 3 UNC
60	+0.029 +0.010	64	68	18 x 11 x 100	M20 x 80

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
2.4375	+0.0012 +0.0004	2.72	2.51	5/8 x 5/8 x 4	3/4-10 x 3 UNC
70	+0.029 +0.010	75	67	20 x 12 x 110	M20 x 80

MOTOR

Dimension - Inch/MM

Frame	C	LB	P	AB
80F4	27.75	2.56	6.19	5.12
	705	65	158	131
80G4	29.25	2.56	6.19	5.12
	743	65	158	131
90H4	29.18	2.52	7.19	5.79
	742	64	183	148
90I4	30.07	2.52	7.19	5.79
	764	64	183	148
100J4	31.97	2.91	7.19	5.79
	813	74	183	148
112L4	33.58	2.91	8.6	6.88
	853	74	219	175
132M4	35.14	3.90	10.28	8.09
	893	99	262	206
132N4	36.64	3.90	10.28	8.09
	931	99	262	206

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-354 for Twin Tapered Bushing details.

NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS



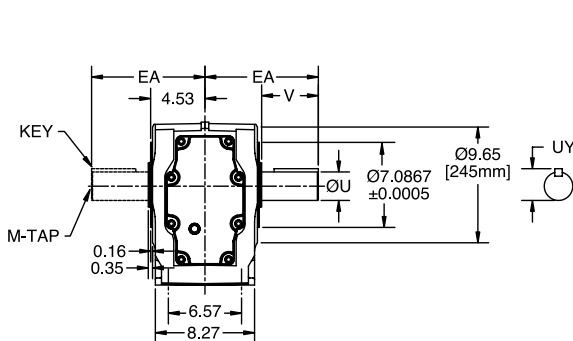
RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF108

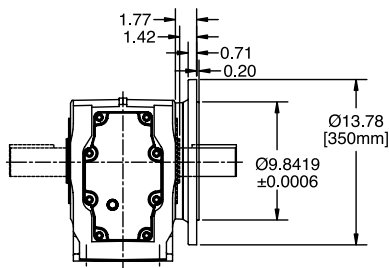
NEMA C-Face - Flange Mounted (B5 / B14) - Clamp Collar - 3 Piece Coupled

Triple Reduction

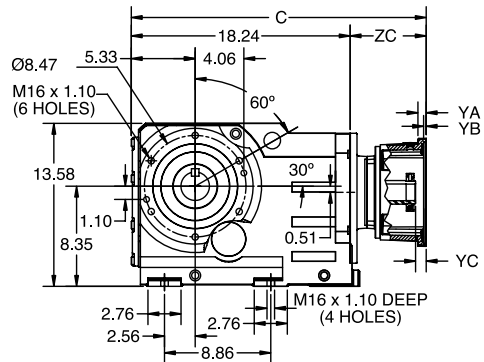
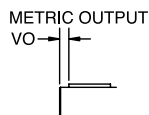
Solid Output Shaft



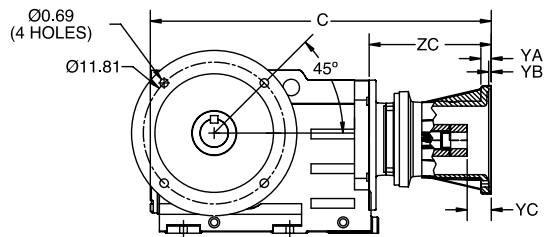
**B14 OUTPUT FLANGE -
Ø245mm**



**B5 OUTPUT FLANGE -
Ø350mm**



CLAMP COLLAR



THREE-PIECE COUPLED

DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF108

NEMA C-Face - Flange Mounted (B5 / B14) - Clamp Collar - 3 Piece Coupled
Triple Reduction
Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
2.375	+0.000 -0.0010	2.65	4.72	-	5/8 x 5/8 x 3-11/16	3/4-10 UNC x 1.65	9.45
60	+0.030 +0.011	64	120	5	18 x 11 x 100	M20 x 42	240

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
3.1875	+0.000 -0.0010	3.52	6.69	-	3/4 x 3/4 x 5-3/8	3/4-10 UNC x 1.65	11.42
80	+0.030 +0.011	85	170	20	22 x 14 x 125	M20 x 42	290

NEMA MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YA	YB	YC
140TC	21.41	3.17	0.47	0.20	0.67
180TC	22.77	4.53	0.73	0.22	0.91
210TC	24.66	6.42	0.69	0.22	0.89
250TC	24.60	6.36	0.95	0.20	1.13

NEMA MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YA	YB	YC
140TC	25.21	6.97	0.55	0.20	1.10
180TC	26.27	8.03	0.73	0.22	1.65
210TC	28.42	10.18	0.87	0.22	2.01
250TC	30.37	12.13	0.95	0.20	2.17

Refer to page Engineering-2 for Input Flange and Shaft details.

QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

DIMENSIONS



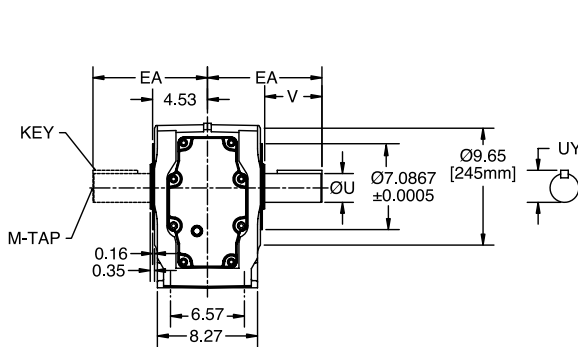
RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF108

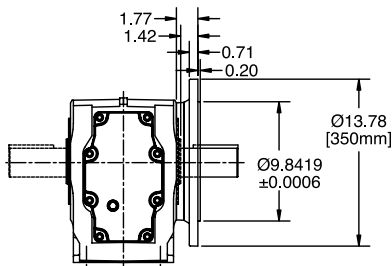
IEC D Flange (B5 Input) - Flange Mounted (B5 / B14) - Clamp Collar - 3 Piece Coupled

Triple Reduction

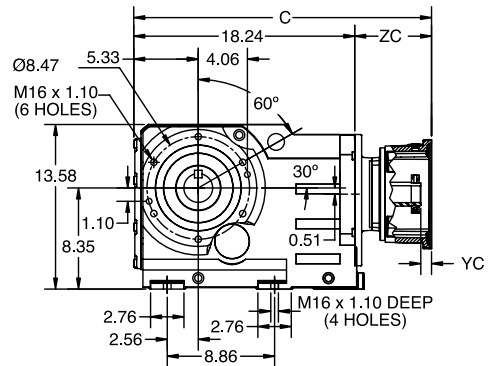
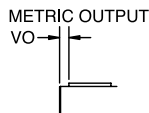
Solid Output Shaft



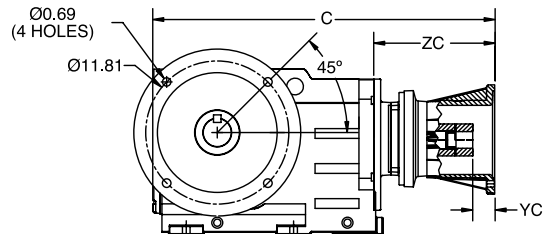
B14 OUTPUT FLANGE -
Ø245mm



B5 OUTPUT FLANGE -
Ø350mm



CLAMP COLLAR



THREE-PIECE COUPLED

DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB) SIZE: BF108 IEC D Flange (B5 Input) - Flange Mounted (B5 / B14) - Clamp Collar - 3 Piece Coupled Triple Reduction Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
2.375	+0.000 -0.0010	2.65	4.72	-	5/8 x 5/8 x 3-11/16	3/4-10 UNC x 1.65	9.45
60	+0.030 +0.011	64	120	5	18 x 11 x 100	M20 x 42	240

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
3.1875	+0.000 -0.0010	3.52	6.69	-	3/4 x 3/4 x 5-3/8	3/4-10 UNC x 1.65	11.42
80	+0.030 +0.011	85	170	20	22 x 14 x 125	M20 x 42	290

IEC MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YC
80D	20.90	2.66	0.61
90D	20.90	2.66	0.61
100D	21.09	2.85	0.28
112D	21.31	3.07	0.28
132D	22.93	4.69	0.87
160D	24.63	6.39	0.79

IEC MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YC
80D	25.13	6.89	0.59
90D	25.13	6.89	1.02
100D	25.92	7.68	1.18
112D	25.76	7.52	1.18
132D	28.18	9.94	1.77
160D	30.80	12.56	2.60

Refer to page Engineering-3 for Input Flange and Shaft details.

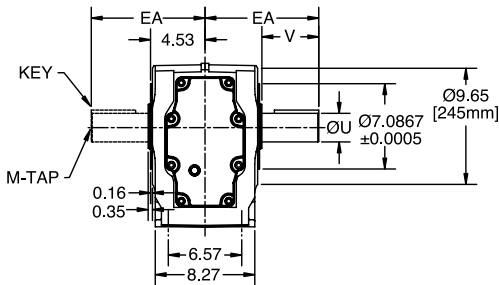
NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS

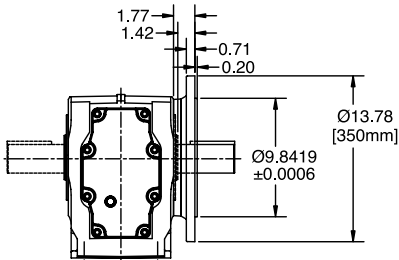


RIGHT ANGLE HELICAL BEVEL (RHB) Separate - Flange Mounted (B5 / B14) Triple Reduction Solid Output Shaft

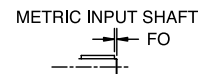
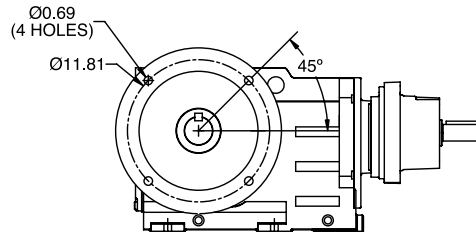
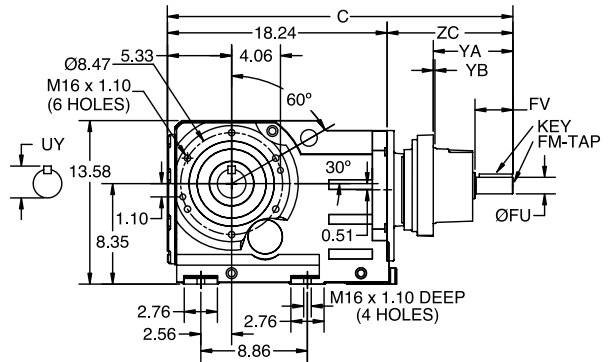
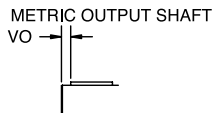
SIZE: BF108



**B14 OUTPUT FLANGE -
Ø245mm**



**B5 OUTPUT FLANGE -
Ø350mm**



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF108

Separate - Flange Mounted (B5 / B14)

Triple Reduction

Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
2.375	+0.000 -0.0010	2.65	4.72	-	5/8 x 5/8 x 3-11/16	3/4-10 UNC x 1.65	9.45
60	+0.030 +0.011	64	120	5	18 x 11 x 100	M20 x 42	240

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
3.1875	+0.000 -0.0010	3.52	6.69	-	3/4 x 3/4 x 5-3/8	3/4-10 UNC x 1.65	11.42
80	+0.030 +0.011	85	170	20	22 x 14 x 125	M20 x 42	290

SEPARATE INPUT

Dimension - Inch/MM

	C	ZC	F0	FM x Depth	ØFU	tol.	FV	YA	YB	Key
80	24.54	6.30	---	1/4-20 UNC x 0.63	0.750	+0.0000 -0.0005	1.57	2.40	0.16	3/16 x 3/16 x 1-5/16
	623	160	4	M6 x 16	19	+0.015 +0.002	40			6 x 6 x 32
90	24.93	6.69	---	5/16-18 UNC x 0.75	0.875	+0.0000 -0.0005	1.97	2.80	0.16	3/16 x 3/16 x 1-5/8
	633	170	5	M8 x 19	24	+0.015 +0.002	50			8 x 7 x 40
100	25.44	7.20	---	3/8-16 UNC x 0.87	1.125	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	647	183	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
112	25.37	7.13	---	3/8-16 UNC x 0.87	1.250	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	645	181	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
132	28.71	10.47	---	3/8-16 UNC x 0.87	1.375	+0.0000 -0.0005	3.15	6.61	0.14	5/16 x 5/16 x 2-3/4
	729	266	5	M12 x 28	38	+0.018 +0.002	80			10 x 8 x 70
160	30.41	12.17	---	5/8-11 UNC x 1.42	1.625	+0.0000 -0.0010	4.33	8.46	0.14	3/8 x 3/8 x 3-1/2
	773	309	10	M16 x 36	42	+0.018 +0.002	110			12 x 8 x 90

Refer to page Engineering-4 for Input Flange and Shaft details.

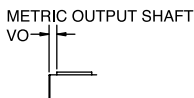
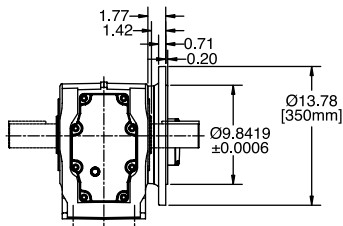
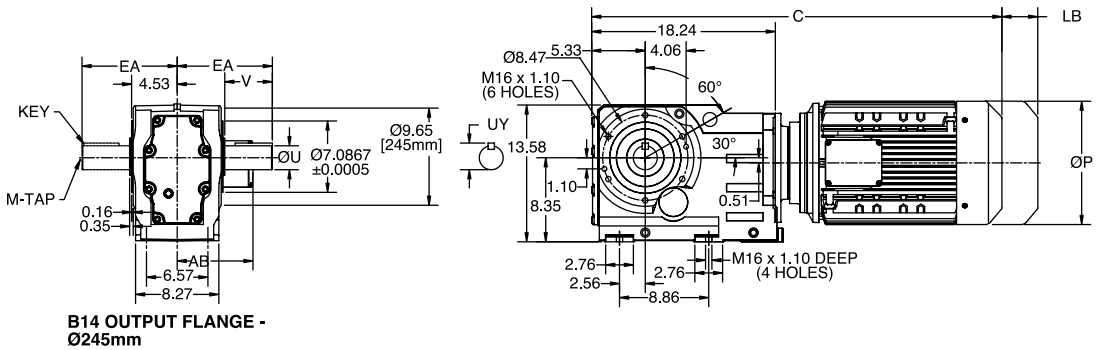
NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB) Integral Gearmotor - Flange Mounted (B5 / B14) Triple Reduction Solid Output Shaft

SIZE: BF108



DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB) Integral Gearmotor - Flange Mounted (B5 / B14) Triple Reduction Solid Output Shaft

SIZE: BF108

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
2.375	+0.000 -0.0010	2.65	4.72	-	5/8 x 5/8 x 3-11/16	3/4-10 UNC x 1.65	9.45
60	+0.030 +0.011	64	120	5	18 x 11 x 100	M20 x 42	240

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
3.1875	+0.000 -0.0010	3.52	6.69	-	3/4 x 3/4 x 5-3/8	3/4-10 UNC x 1.65	11.42
80	+0.030 +0.011	85	170	20	22 x 14 x 125	M20 x 42	290

MOTOR

Dimension - Inch/MM

Frame	C	LB	P	AB
80F4	27.89	2.56	6.19	5.12
	709	65	158	131
80G4	29.39	2.56	6.19	5.12
	747	65	158	131
90H4	29.32	2.52	7.19	5.79
	745	64	183	148
90I4	30.2	2.52	7.19	5.79
	768	64	183	148
100J4	32.11	2.91	7.19	5.79
	816	74	183	148
112L4	33.72	2.91	8.6	6.88
	857	74	219	175
132M4	35.28	3.9	10.28	8.09
	897	99	262	206
132N4	36.78	3.9	10.28	8.09
	935	99	262	206

NOMENCLATURE
PAGE RHB-5

MOUNTING POSITIONS
PAGE RHB-11

STOCK/NON-STOCK PART NUMBERS
PAGE RHB-50

WEIGHTS
PAGE RHB-372

DIMENSIONS



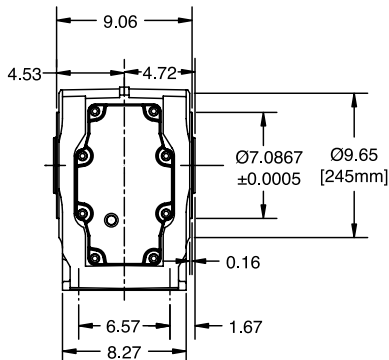
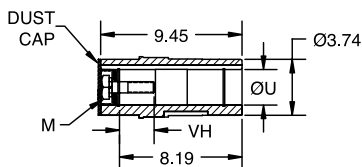
RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF108

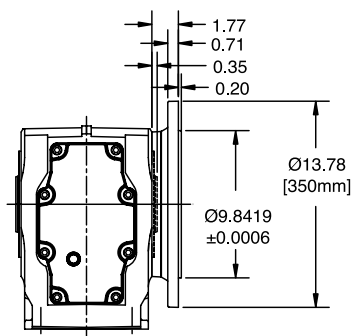
NEMA C-Face - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled

Triple Reduction

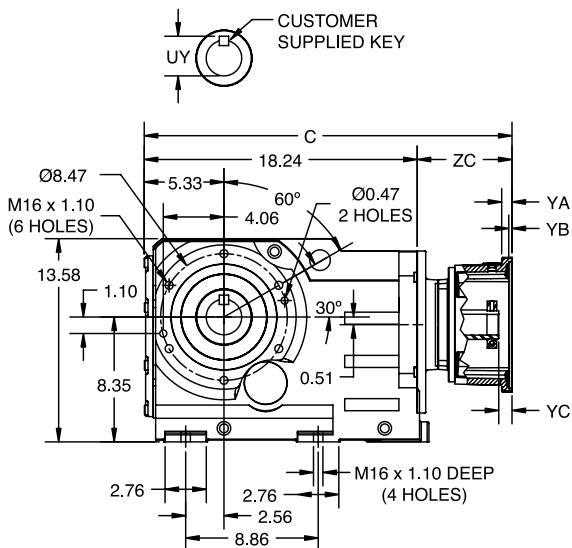
Straight Hollow Bore Output Shaft



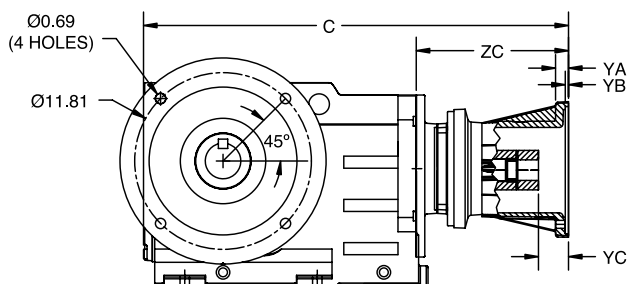
**B14 OUTPUT FLANGE -
Ø245mm**



B5 OUTPUT FLANGE - Ø350mm



CLAMP COLLAR



THREE-PIECE COUPLED

NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF108

NEMA C-Face - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled

Triple Reduction

Straight Hollow Bore Output Shaft

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
2.375	+0.0012 +0.0004	2.66	2.53	5/8 x 5/8 x 4-1/16	3/4-10 x 3 UNC
60	+0.029 +0.010	64	68	18 x 11 x 100	M20 x 80

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
2.4375	+0.0012 +0.0004	2.72	2.51	5/8 x 5/8 x 4	3/4-10 x 3 UNC
70	+0.029 +0.010	75	67	20 x 12 x 110	M20 x 80

NEMA MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YA	YB	YC
140TC	21.41	3.17	0.47	0.20	0.67
180TC	22.77	4.53	0.73	0.22	0.91
210TC	24.66	6.42	0.69	0.22	0.89
250TC	24.60	6.36	0.95	0.20	1.13

NEMA MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YA	YB	YC
140TC	25.21	6.97	0.55	0.20	1.10
180TC	26.27	8.03	0.73	0.22	1.65
210TC	28.42	10.18	0.87	0.22	2.01
250TC	30.37	12.13	0.95	0.20	2.17

Refer to page Engineering-2 for Input Flange and Shaft details.

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-354 for Twin Tapered Bushing details.

NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS



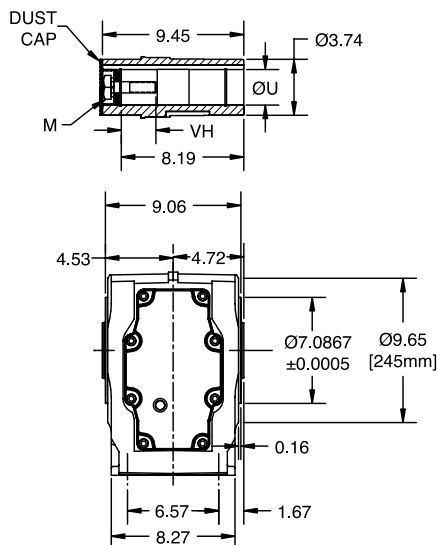
RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF108

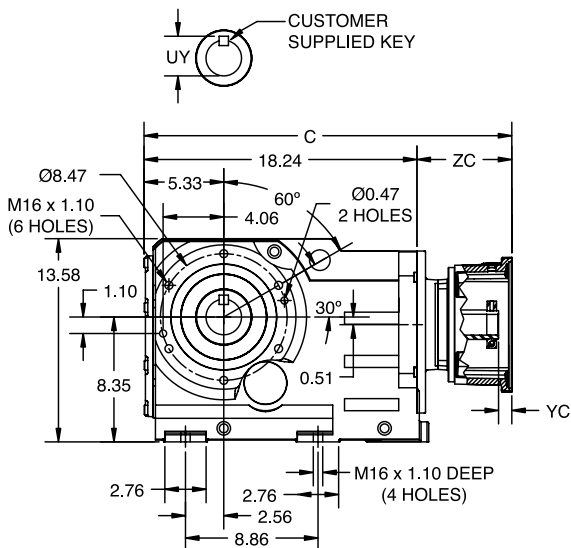
IEC D Flange (B5 Flange) - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled

Triple Reduction

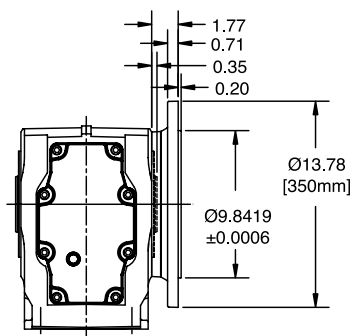
Straight Hollow Bore Output Shaft



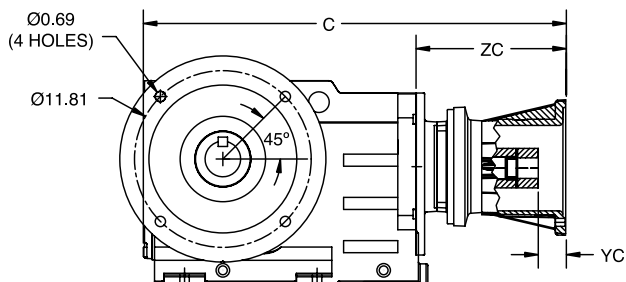
**B14 OUTPUT FLANGE -
Ø245mm**



CLAMP COLLAR



B5 OUTPUT FLANGE - Ø350mm



THREE-PIECE COUPLED

NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF108

IEC D Flange (B5 Flange) - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled

Triple Reduction

Straight Hollow Bore Output Shaft

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
2.375	+0.0012 +0.0004	2.66	2.53	5/8 x 5/8 x 4-1/16	3/4-10 x 3 UNC
60	+0.029 +0.010	64	68	18 x 11 x 100	M20 x 80

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
2.4375	+0.0012 +0.0004	2.72	2.51	5/8 x 5/8 x 4	3/4-10 x 3 UNC
70	+0.029 +0.010	75	67	20 x 12 x 110	M20 x 80

IEC MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YC
80D	20.90	2.66	0.61
90D	20.90	2.66	0.61
100D	21.09	2.85	0.28
112D	21.31	3.07	0.28
132D	22.93	4.69	0.87
160D	24.63	6.39	0.79

IEC MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YC
80D	25.13	6.89	0.59
90D	25.13	6.89	1.02
100D	25.92	7.68	1.18
112D	25.76	7.52	1.18
132D	28.18	9.94	1.77
160D	30.80	12.56	2.60

Refer to page Engineering-3 for Input Flange and Shaft details.

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-354 for Twin Tapered Bushing details.

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RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF108

Separate - Flange Mounted (B5 / B14)

Triple Reduction

Straight Hollow Bore Output Shaft

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
2.375	+0.0012 +0.0004	2.66	2.53	5/8 x 5/8 x 4-1/16	3/4-10 x 3 UNC
60	+0.029 +0.010	64	68	18 x 11 x 100	M20 x 80

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
2.4375	+0.0012 +0.0004	2.72	2.51	5/8 x 5/8 x 4	3/4-10 x 3 UNC
70	+0.029 +0.010	75	67	20 x 12 x 110	M20 x 80

SEPARATE INPUT

Dimension - Inch/MM

	C	ZC	F0	FM x Depth	ØFU	tol.	FV	YA	YB	Key
80	24.54	6.30	---	1/4-20 UNC x 0.63	0.75	+0.0000 -0.0005	1.57	2.40	0.16	3/16 x 3/16 x 1-5/16
	623	160	4	M6 x 16	19	+0.015 +0.002	40			6 x 6 x 32
90	24.93	6.69	---	5/16-18 UNC x 0.75	0.875	+0.0000 -0.0005	1.97	2.80	0.16	3/16 x 3/16 x 1-5/8
	633	170	5	M8 x 19	24	+0.015 +0.002	50			8 x 7 x 40
100	24.54	7.20	---	3/8-16 UNC x 0.87	1.125	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	647	183	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
112	25.37	7.13	---	3/8-16 UNC x 0.87	1.250	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	645	181	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
132	28.71	10.47	---	3/8-16 UNC x 0.87	1.375	+0.0000 -0.0005	3.15	6.61	0.14	5/16 x 5/16 x 2-3/4
	729	266	5	M12 x 28	38	+0.018 +0.002	80			10 x 8 x 70
160	30.41	12.17	---	5/8-11 UNC x 1.42	1.625	+0.0000 -0.0010	4.33	8.46	0.14	3/8 x 3/8 x 3-1/2
	773	309	10	M16 x 36	42	+0.018 +0.002	110			12 x 8 x 90

Refer to page Engineering-4 for Input Flange and Shaft details.

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-354 for Twin Tapered Bushing details.

NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS



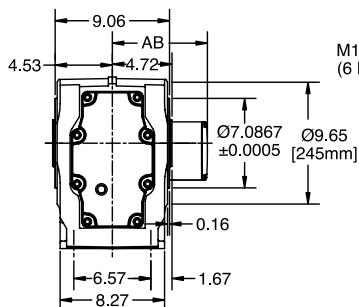
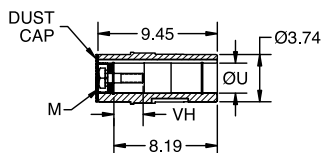
RIGHT ANGLE HELICAL BEVEL (RHB)

Integral Gearmotor - Flange Mounted (B5 / B14)

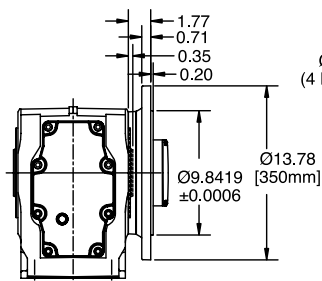
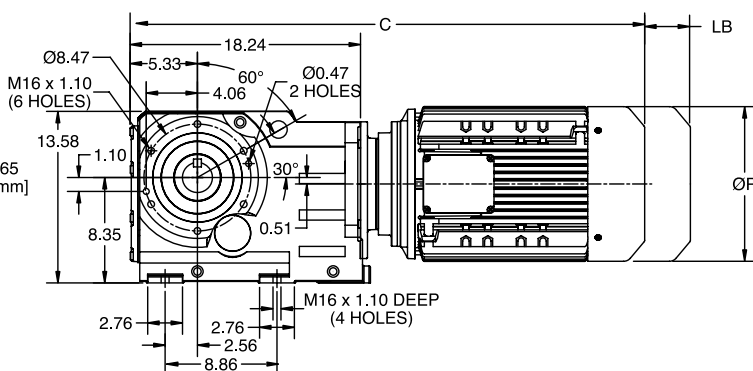
Triple Reduction

Straight Hollow Bore Output Shaft

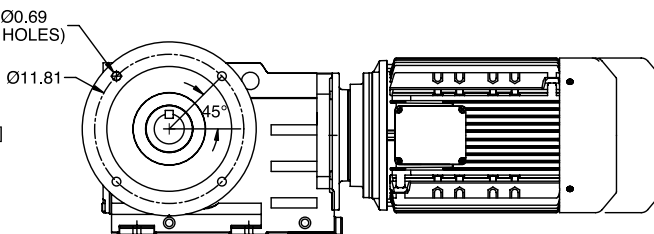
SIZE: BF108



**B14 OUTPUT FLANGE -
Ø245mm**



**B5 OUTPUT FLANGE -
Ø350mm**



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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB) Integral Gearmotor - Flange Mounted (B5 / B14) Triple Reduction Straight Hollow Bore Output Shaft

SIZE: BF108

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
2.375	+0.0012 +0.0004	2.65	2.53	5/8 x 5/8 x 4-1/16	3/4-10 x 3 UNC
60	+0.029 +0.010	64	68	18 x 11 x 100	M20 x 80

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
2.4375	+0.0012 +0.0004	2.72	2.51	5/8 x 5/8 x 4	3/4-10 x 3 UNC
70	+0.029 +0.010	75	67	20 x 12 x 110	M20 x 80

MOTOR

Dimension - Inch/MM

Frame	C	LB	P	AB
80F4	27.89	2.56	6.19	5.12
	709	65	158	131
80G4	29.39	2.56	6.19	5.12
	747	65	158	131
90H4	29.32	2.52	7.19	5.79
	745	64	183	148
90I4	30.2	2.52	7.19	5.79
	768	64	183	148
100J4	32.11	2.91	7.19	5.79
	816	74	183	148
112L4	33.72	2.91	8.60	6.88
	857	81	219	175
132M4	35.28	3.9	10.28	8.09
	897	99	262	206
132N4	36.78	3.9	10.28	8.09
	935	99	262	206

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.
Refer to page RHB-354 for Twin Tapered Bushing details.

NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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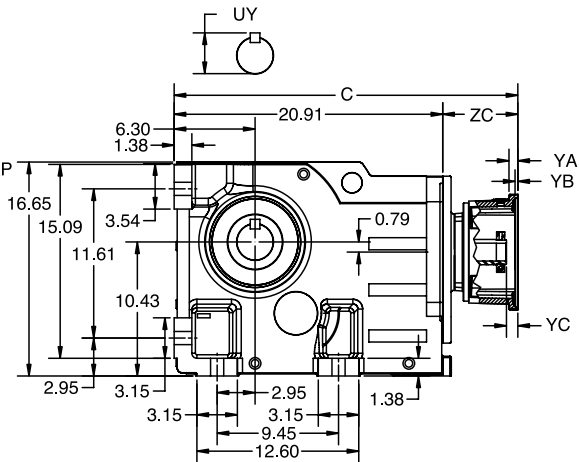
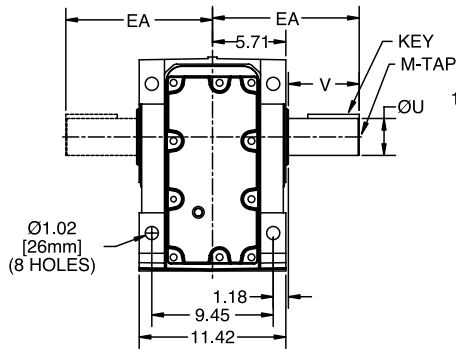
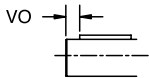
DIMENSIONS



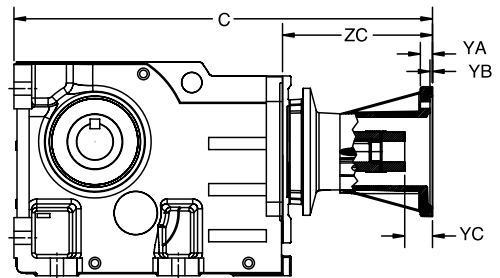
RIGHT ANGLE HELICAL BEVEL (RHB) NEMA C-Face - Foot Mounted - Clamp Collar / 3 Piece Coupled Triple Reduction Solid Output Shaft

SIZE: BB128

METRIC OUTPUT SHAFT



CLAMP COLLAR



THREE-PIECE COUPLED

NOMENCLATURE
PAGE RHB-5

MOUNTING POSITIONS
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RIGHT ANGLE HELICAL BEVEL (RHB) NEMA C-Face - Foot Mounted - Clamp Collar / 3 Piece Coupled Triple Reduction Solid Output Shaft

SIZE: BB128

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
2.875	+0.0000 -0.0010	3.21	5.51	-	3/4 x 3/4 x 4	3/4-10 UNC x 1.65	11.42
70	+0.035 +0.013	75	140	8	20 x 12 x 125	M20 x 42	290

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
3.625	+0.0000 -0.0010	4.01	6.69	-	7/8 x 7/8 x 5-5/8	1-8 UNC x 1.97	12.60
90	+0.035 +0.013	95	170	15	25 x 14 x 140	M24 x 50	320

NEMA MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YA	YB	YC
140TC	23.55	2.64	0.47	0.20	0.67
180TC	24.86	3.95	0.69	0.22	0.93
210TC	26.76	5.85	0.69	0.22	0.89
250TC	26.74	5.83	0.94	0.20	1.13
280TC	27.54	6.63	0.94	0.20	1.30

NEMA MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YA	YB	YC
140TC	27.42	6.52	0.55	0.20	1.10
180TC	28.58	7.68	0.87	0.22	1.65
210TC	30.59	9.69	0.87	0.22	2.01
250TC	32.58	11.67	0.94	0.20	2.17
280TC	35.28	14.37	0.94	0.20	2.57

Refer to page Engineering-2 for Input Flange and Shaft details

NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS

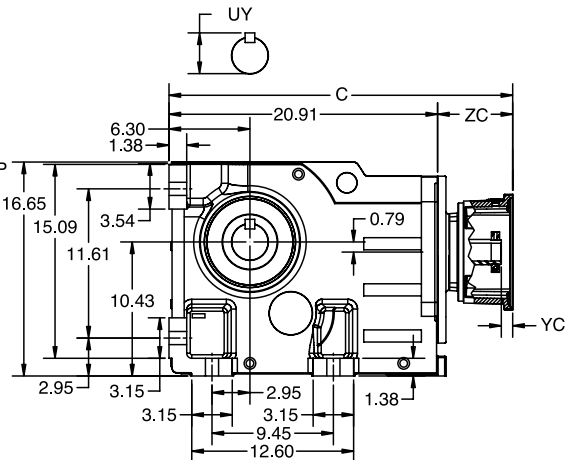
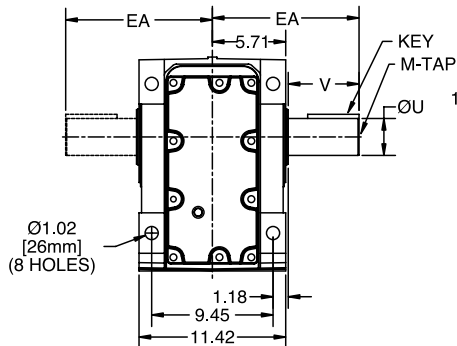
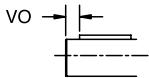


RIGHT ANGLE HELICAL BEVEL (RHB)

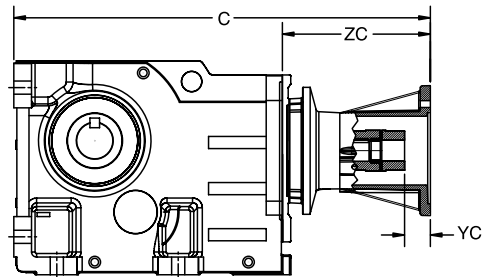
SIZE: BB128

IEC D Flange (B5 Input) - Foot Mounted - Clamp Collar / 3 Piece Coupled
Triple Reduction
Solid Output Shaft

METRIC OUTPUT SHAFT



CLAMP COLLAR



THREE-PIECE COUPLED

NOMENCLATURE
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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB128

IEC D Flange (B5 Input) - Foot Mounted - Clamp Collar / 3 Piece Coupled

Triple Reduction

Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
2.875	+0.0000 -0.0010	3.21	5.51	-	3/4 x 3/4 x 4	3/4-10 UNC x 1.65	11.42
70	+0.035 +0.013	75	140	8	20 x 12 x 125	M20 x 42	290

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
3.625	+0.0000 -0.0010	4.01	6.69	-	7/8 x 7/8 x 5-5/8	1-8 UNC x 1.97	12.60
90	+0.035 +0.013	95	170	15	25 x 14 x 140	M24 x 50	320

IEC MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YC
90D	23.11	2.20	0.61
100D	23.29	2.38	0.28
112D	23.53	2.62	0.28
132D	25.10	4.19	0.87
160D	26.84	5.93	0.79
180D	27.37	6.46	0.85
200D	27.76	6.85	1.18

IEC MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YC
90D	27.34	6.43	1.02
100D	28.11	7.20	1.18
112D	27.98	7.07	1.18
132D	30.36	9.45	1.77
160D	33.01	12.10	2.60
180D	35.00	14.09	2.32
200D	35.04	14.13	2.36

Refer to page Engineering-3 for Input Flange and Shaft details.

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RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB128

Separate - Foot Mounted

Triple Reduction

Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
2.875	+0.0000 -0.0010	3.21	5.51	-	3/4 x 3/4 x 4	3/4-10 UNC x 1.65	11.42
70	+0.035 +0.013	75	140	8	20 x 12 x 125	M20 x 42	290

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
3.625	+0.0000 -0.0010	4.01	6.69	-	7/8 x 7/8 x 5-5/8	1-8 UNC x 1.97	12.60
90	+0.035 +0.013	95	170	15	25 x 14 x 140	M24 x 50	320

SEPARATE INPUT

Dimension - Inch/MM

	C	ZC	FO	FM x Depth	ØFU	tol.	FV	YA	YB	Key
90	27.13	6.22	---	5/16-18 UNC x 0.75	0.875	+0.0000 -0.0005	1.97	2.80	0.16	3/16 x 3/16 x 1-5/8
	689	158	5	M8 x 19	24	+0.015 +0.002	50			8 x 7 x 40
100	27.64	6.73	---	3/8-16 UNC x 0.87	1.125	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	702	171	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
112	27.59	6.68	---	3/8-16 UNC x 0.87	1.250	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	701	170	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
132	30.87	9.96	---	3/8-16 UNC x 0.87	1.375	+0.0000 -0.0005	3.15	6.61	0.14	5/15 x 5/16 x 2-3/4
	784	253	5	M12 x 28	38	+0.018 +0.002	80			10 x 8 x 70
160	32.62	11.71	---	5/8-11 UNC x 1.42	1.625	+0.0000 -0.0010	4.33	8.46	0.14	3/8 x 3/8 x 3-1/2
	829	298	10	M16 x 36	42	+0.018 +0.002	110			12 x 8 x 90
180	33.43	12.52	---	3/4-10 UNC x 1.65	2.125	+0.0000 -0.0010	4.33	9.25	0.16	1/2 x 1/2 x 3-5/8
	849	318	10	M20 x 42	55	+0.030 +0.011	110			16 x 10 x 90

Refer to page Engineering-4 for Input Flange and Shaft details.

NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS



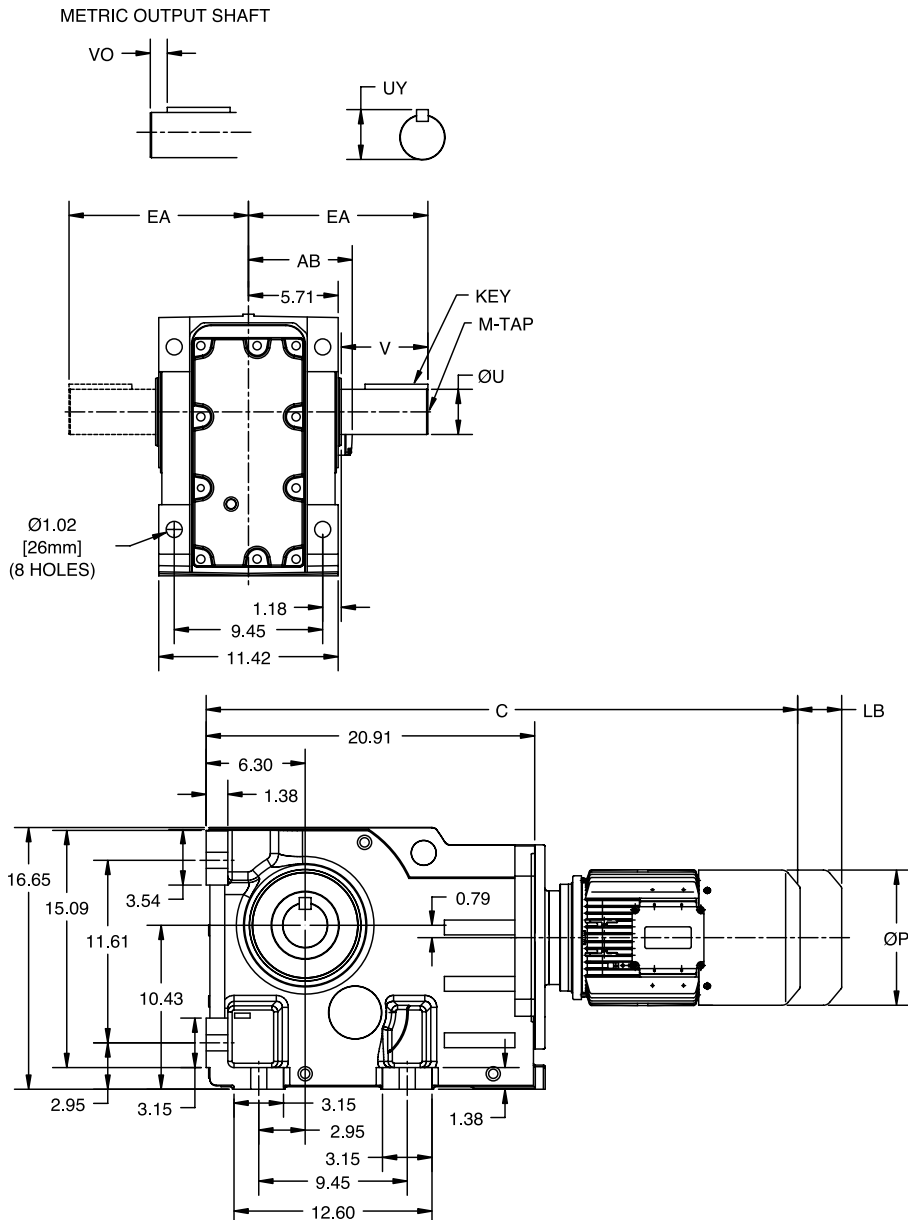
RIGHT ANGLE HELICAL BEVEL (RHB)

Integral Gearmotor - Foot Mounted

Triple Reduction

Solid Output Shaft

SIZE: BB128



NOMENCLATURE
PAGE RHB-5

MOUNTING POSITIONS
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RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB128

Integral Gearmotor - Foot Mounted

Triple Reduction

Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
2.875	+0.0000 -0.0010	3.21	5.51	-	3/4 x 3/4 x 4	3/4-10 UNC x 1.65	11.42
70	+0.030 +0.011	75	140	15	20 x 12 x 125	M20 x 42	290

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
3.625	+0.0000 -0.0010	4.01	6.69	-	7/8 x 7/8 x 5-5/8	1-8 UNC x 1.97	12.60
90	+0.035 +0.013	95	170	15	25 x 14 x 140	M24 x 50	320

MOTOR

Dimension - Inch/MM

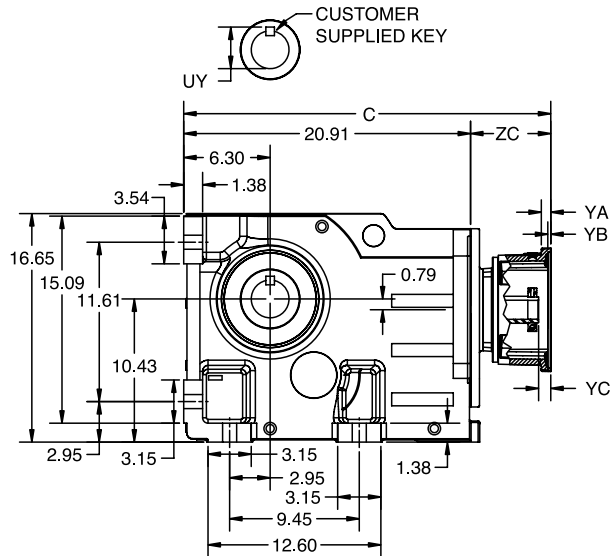
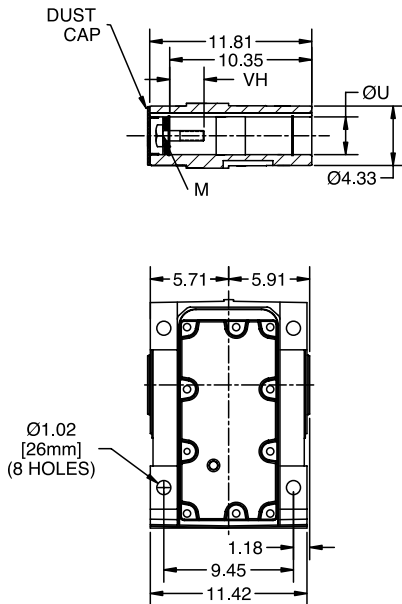
Frame	C	LB	P	AB
90H4	31.53	2.52	7.19	5.79
	801	64	183	148
90I4	32.41	2.52	7.19	5.79
	824	64	183	148
100J4	34.29	2.91	7.19	5.79
	871	74	183	148
112L4	35.92	2.91	8.6	6.88
	913	74	219	175
132M4	37.44	3.9	10.28	8.09
	951	99	262	206
132N4	38.94	3.9	10.28	8.09
	990	99	262	206

DIMENSIONS

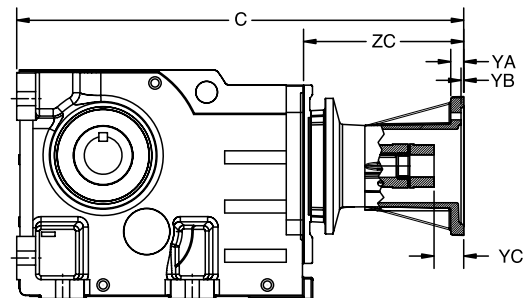


RIGHT ANGLE HELICAL BEVEL (RHB) NEMA C-Face - Foot Mounted - Clamp Collar / 3 Piece Coupled Triple Reduction Straight Hollow Bore Output Shaft

SIZE: BB128



CLAMP COLLAR



THREE-PIECE COUPLED

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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB) NEMA C-Face - Foot Mounted - Clamp Collar / 3 Piece Coupled Triple Reduction Straight Hollow Bore Output Shaft

SIZE: BB128

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
2.750	+0.0012 +0.0004	3.04	2.51	5/8 x 5/8 x 6-1/8	3/4-10 x 3 UNC
70	+0.029 +0.010	75	68	20 x 12 x 110	M20 x 80

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
2.9375	+0.0012 +0.0004	3.28	2.31	3/4 x 3/4 x 4-7/8	3/4-10 x 3 UNC
80	+0.029 +0.010	85	67	22 x 14 x 125	M20 x 85

NEMA MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YA	YB	YC
140TC	23.55	2.64	0.47	0.20	0.67
180TC	24.86	3.95	0.69	0.22	0.93
210TC	26.76	5.85	0.69	0.22	0.89
250TC	26.74	5.83	0.94	0.20	1.13
280TC	27.54	6.63	0.94	0.20	1.30

NEMA MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YA	YB	YC
140TC	27.42	6.52	0.55	0.20	1.10
180TC	28.58	7.68	0.87	0.22	1.65
210TC	30.59	9.69	0.87	0.22	2.01
250TC	32.58	11.67	0.94	0.20	2.17
280TC	35.28	14.37	0.94	0.20	2.57

Refer to page Engineering-2 for Input Flange and Shaft details.
Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.
Refer to page RHB-355 for Twin Tapered Bushing details.

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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB128

IEC D Flange (B5 Input) - Foot Mounted - Clamp Collar / 3 Piece Coupled

Triple Reduction

Straight Hollow Bore Output Shaft

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
2.750	+0.0012 +0.0004	3.04	2.51	5/8 x 5/8 x 6-1/8	3/4-10 x 3 UNC
70	+0.029 +0.010	75	68	20 x 12 x 110	M20 x 80

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
2.9375	+0.0012 +0.0004	3.28	2.31	3/4 x 3/4 x 4-7/8	3/4-10 x 3 UNC
80	+0.029 +0.010	85	67	22 x 14 x 125	M20 x 85

IEC MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YC
90D	23.11	2.20	0.61
100D	23.29	2.38	0.28
112D	23.53	2.62	0.28
132D	25.10	4.19	0.87
160D	26.84	5.93	0.79
180D	27.37	6.46	0.85
200D	27.76	6.85	1.18

IEC MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YC
90D	27.34	6.43	1.02
100D	28.11	7.20	1.18
112D	27.98	7.07	1.18
132D	30.36	9.45	1.77
160D	33.01	12.10	2.60
180D	35.00	14.09	2.32
200D	35.04	14.13	2.36

Refer to page Engineering-3 for Input Flange and Shaft details.

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-355 for Twin Tapered Bushing details.

NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS



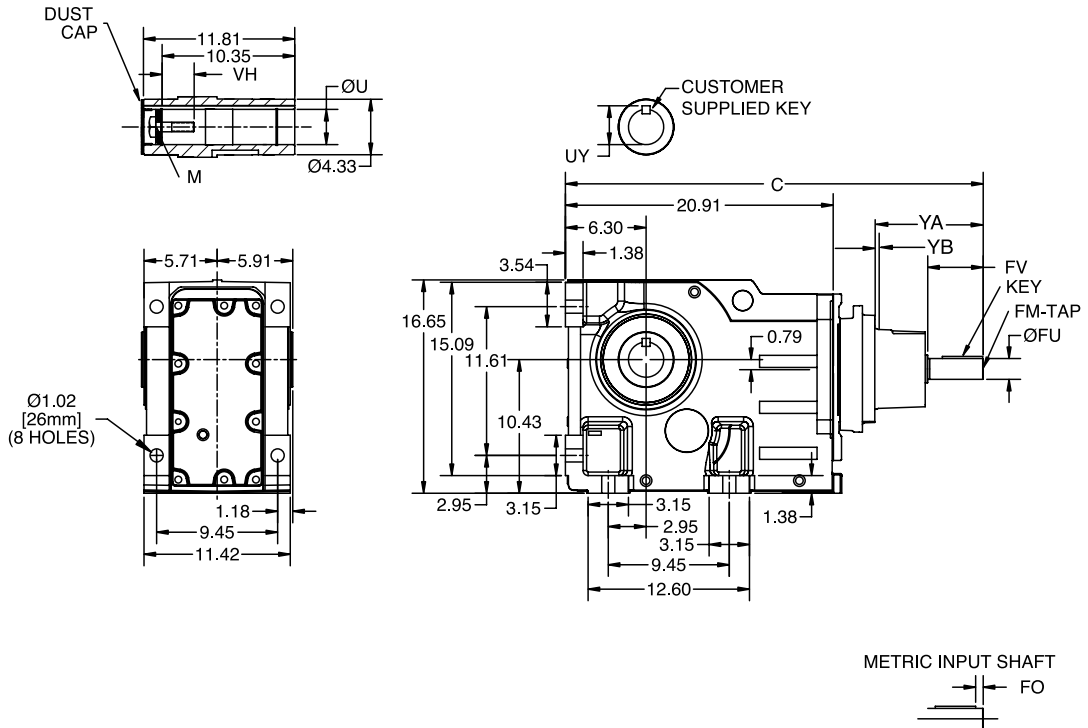
RIGHT ANGLE HELICAL BEVEL (RHB)

Separate - Foot Mounted

Triple Reduction

Straight Hollow Bore Output Shaft

SIZE: BB128



NOMENCLATURE
PAGE RHB-5

MOUNTING POSITIONS
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RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB128

Separate - Foot Mounted

Triple Reduction

Straight Hollow Bore Output Shaft

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
2.750	+0.0012 +0.0004	3.04	2.51	5/8 x 5/8 x 6-1/8	3/4-10 x 3 UNC
70	+0.029 +0.010	75	68	20 x 12 x 110	M20 x 80

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
2.9375	+0.0012 +0.0004	3.28	2.31	3/4 x 3/4 x 4-7/8	3/4-10 x 3 UNC
80	+0.029 +0.010	85	67	22 x 14 x 125	M20 x 85

SEPARATE INPUT

Dimension - Inch/MM

	C	ZC	FO	FM x Depth	ØFU	tol.	FV	YA	YB	Key
90	27.13	6.22	---	5/16-18 UNC x 0.75	0.875	+0.0000 -0.0005	1.97	2.80	0.16	3/16 x 3/16 x 1-5/8
	689	158	5	M8 x 19	24	+0.015 +0.002	50			8 x 7 x 40
100	27.64	6.73	---	3/8-16 UNC x 0.87	1.125	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	702	171	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
112	27.59	6.68	---	3/8-16 UNC x 0.87	1.250	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	701	170	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
132	30.87	9.96	---	3/8-16 UNC x 0.87	1.375	+0.0000 -0.0005	3.15	6.61	0.14	5/15 x 5/16 x 2-3/4
	784	253	5	M12 x 28	38	+0.018 +0.002	80			10 x 8 x 70
160	32.62	11.71	---	5/8-11 UNC x 1.42	1.625	+0.0000 -0.0010	4.33	8.46	0.14	3/8 x 3/8 x 3-1/2
	829	298	10	M16 x 36	42	+0.018 +0.002	110			12 x 8 x 90
180	33.43	12.52	---	3/4-10 UNC x 1.65	2.125	+0.0000 -0.0010	4.33	9.25	0.16	1/2 x 1/2 x 3-5/8
	849	318	10	M20 x 42	55	+0.030 +0.011	110			16 x 10 x 90

Refer to page Engineering-4 for Input Flange and Shaft details.

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-355 for Twin Tapered Bushing details.

NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS



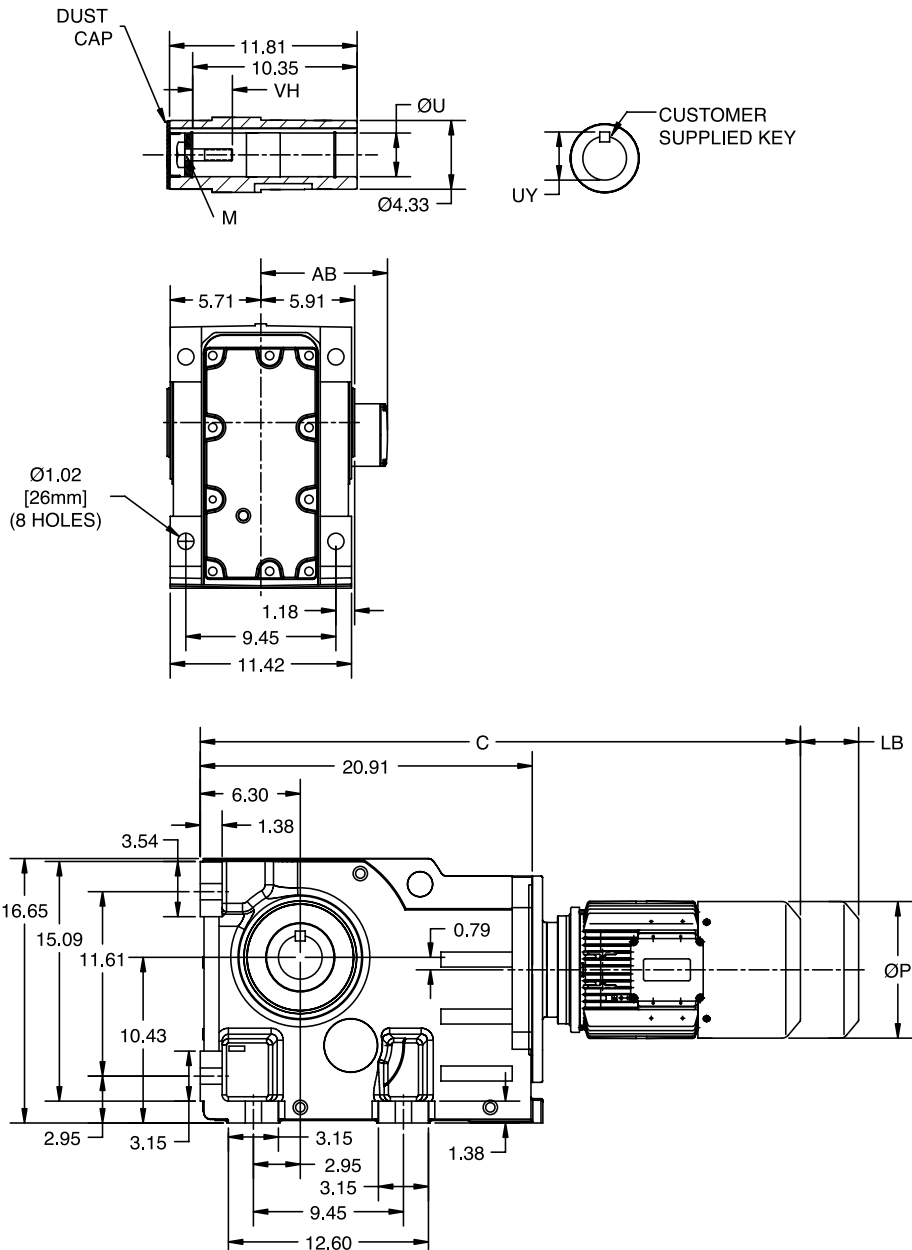
RIGHT ANGLE HELICAL BEVEL (RHB)

Integral Gearmotor - Foot Mounted

Triple Reduction

Straight Hollow Bore Output Shaft

SIZE: BB128



NOMENCLATURE
PAGE RHB-5

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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB128

Integral Gearmotor - Foot Mounted

Triple Reduction

Straight Hollow Bore Output Shaft

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
2.750	+0.0012 +0.0004	3.04	2.51	5/8 x 5/8 x 6-1/8	3/4-10 x 3 UNC
70	+0.029 +0.010	75	68	20 x 12 x 110	M20 x 80

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
2.9375	+0.0012 +0.0004	3.28	2.31	3/4 x 3/4 x 4-7/8	3/4-10 x 3 UNC
80	+0.029 +0.010	85	67	22 x 14 x 125	M20 x 85

MOTOR

Dimension - Inch/MM

Frame	C	LB	P	AB
90H4	31.53	2.52	7.19	5.79
	801	64	183	148
90I4	32.41	2.52	7.19	5.79
	824	64	183	148
100J4	34.29	2.91	7.19	5.79
	871	74	183	148
112L4	35.92	2.91	8.6	6.88
	913	74	219	175
132M4	37.44	3.9	10.28	8.09
	951	99	262	206
132N4	38.94	3.9	10.28	8.09
	990	99	262	206

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-355 for Twin Tapered Bushing details.

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RHB

MSM

NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF128

NEMA C-Face - Flange Mounted (B4 / B14) - Clamp Collar / 3 Piece Coupled
Triple Reduction
Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
2.875	+0.0000 -0.0010	3.21	5.51	-	3/4 x 3/4 x 4	3/4-10 UNC x 1.65	11.42
70	+0.035 +0.013	75	140	8	20 x 12 x 125	M20 x 42	290

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
3.625	+0.0000 -0.0010	4.01	6.69	-	7/8 x 7/8 x 5-5/8	1-8 UNC x 1.97	12.60
90	+0.035 +0.013	95	170	15	25 x 14 x 140	M24 x 50	320

NEMA MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YA	YB	YC
140TC	23.41	2.64	0.47	0.20	0.67
180TC	24.72	3.95	0.69	0.22	0.93
210TC	26.62	5.85	0.69	0.22	0.89
250TC	26.60	5.83	0.94	0.20	1.13
280TC	27.40	6.63	0.94	0.20	1.30

NEMA MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YA	YB	YC
140TC	27.29	6.52	0.55	0.20	1.10
180TC	28.44	7.68	0.87	0.22	1.65
210TC	30.45	9.69	0.87	0.22	2.01
250TC	32.44	11.67	0.94	0.20	2.17
280TC	35.14	14.37	0.94	0.20	2.57

Refer to page Engineering-2 for Input Flange and Shaft details.

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DIMENSIONS



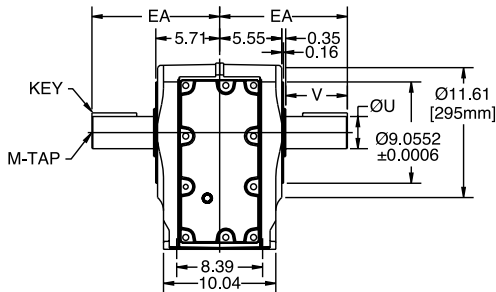
RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF128

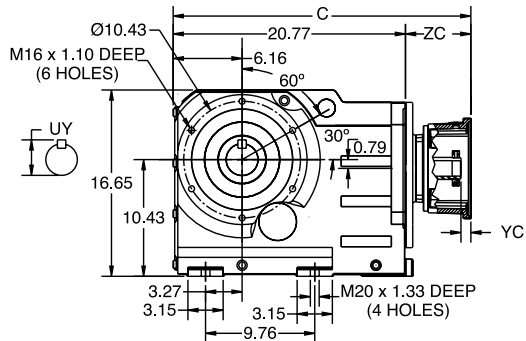
IEC D Flange (B5 Input) - Flange Mounted (B4 / B14) - Clamp Collar / 3 Piece Coupled

Triple Reduction

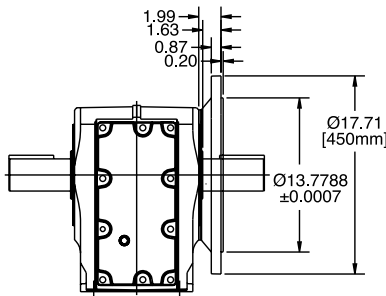
Solid Output Shaft



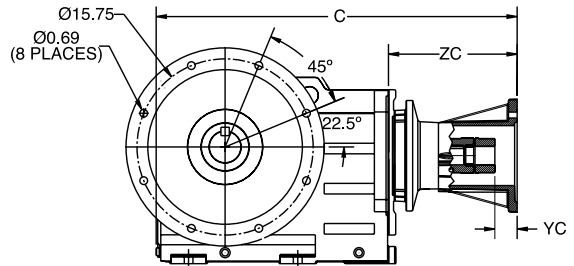
B14 OUTPUT FLANGE -
Ø295mm



CLAMP COLLAR

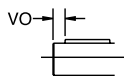


B5 OUTPUT FLANGE -
Ø450mm



THREE-PIECE COUPLED

METRIC OUTPUT SHAFT



DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF128

IEC D Flange (B5 Input) - Flange Mounted (B4 / B14) - Clamp Collar / 3 Piece Coupled

Triple Reduction

Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
2.875	+0.0000 -0.0010	3.21	5.51	-	3/4 x 3/4 x 4	3/4-10 UNC x 1.65	11.42
70	+0.035 +0.013	75	140	8	20 x 12 x 125	M20 x 42	290

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
3.625	+0.0000 -0.0010	4.01	6.69	-	7/8 x 7/8 x 5-5/8	1-8 UNC x 1.97	12.60
90	+0.035 +0.013	95	170	15	25 x 14 x 140	M24 x 50	320

IEC MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YC
90D	22.97	2.20	0.61
100D	23.15	2.38	0.28
112D	23.39	2.62	0.28
132D	24.96	4.19	0.87
160D	26.70	5.93	0.79
180D	27.23	6.46	0.85
200D	27.62	6.85	1.18

IEC MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YC
90D	27.20	6.43	1.02
100D	27.97	7.20	1.18
112D	27.84	7.07	1.18
132D	30.22	9.45	1.77
160D	32.87	12.10	2.60
180D	34.86	14.09	2.32
200D	34.90	14.13	2.36

Refer to page Engineering-3 for Input Flange and Shaft details.

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DIMENSIONS



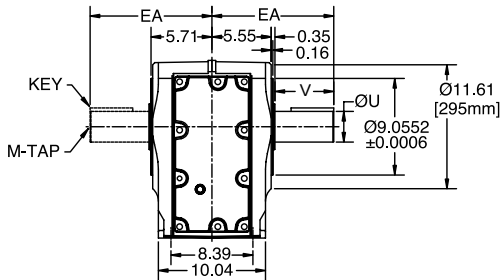
RIGHT ANGLE HELICAL BEVEL (RHB)

Separate - Flange Mounted (B4 / B14)

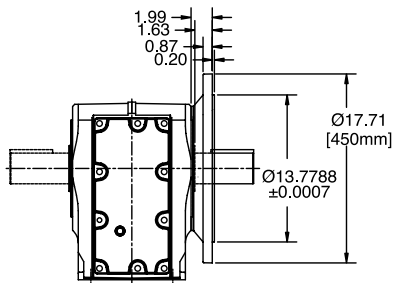
Triple Reduction

Solid Output Shaft

SIZE: BF128

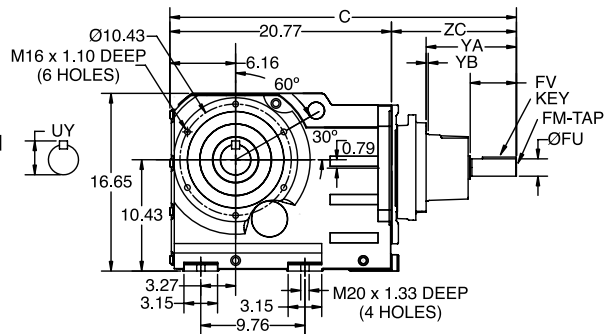
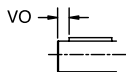


**B14 OUTPUT FLANGE -
Ø295mm**



**B5 OUTPUT FLANGE -
Ø450mm**

METRIC OUTPUT SHAFT



METRIC INPUT
SHAFT FO

RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF128

Separate - Flange Mounted (B4 / B14)

Triple Reduction

Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
2.875	+0.0000 -0.0010	3.21	5.51	-	3/4 x 3/4 x 4	3/4-10 UNC x 1.65	11.42
70	+0.035 +0.013	75	140	8	20 x 12 x 125	M20 x 42	290

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
3.625	+0.0000 -0.0010	4.01	6.69	-	7/8 x 7/8 x 5-5/8	1-8 UNC x 1.97	12.60
90	+0.035 +0.013	95	170	15	25 x 14 x 140	M24 x 50	320

SEPARATE INPUT

Dimension - Inch/MM

	C	ZC	F0	FM x Depth	ØFU	tol.	FV	YA	YB	Key
90	26.99	6.22	---	5/16-18 UNC x 0.75	0.875	+0.0000 -0.0005	1.97	2.80	0.16	3/16 x 3/16 x 1-5/8
	686	158	5	M8 x 19	24	+0.015 +0.002	50			8 x 7 x 40
100	27.50	6.73	---	3/8-16 UNC x 0.87	1.125	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	699	171	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
112	27.45	6.68	---	3/8-16 UNC x 0.87	1.250	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	697	170	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
132	30.73	9.96	---	3/8-16 UNC x 0.87	1.375	+0.0000 -0.0005	3.15	6.61	0.14	5/15 x 5/16 x 2-3/4
	781	253	5	M12 x 28	38	+0.018 +0.002	80			10 x 8 x 70
160	32.48	11.71	---	5/8-11 UNC x 1.42	1.625	+0.0000 -0.0010	4.33	8.46	0.14	3/8 x 3/8 x 3-1/2
	825	298	10	M16 x 36	42	+0.018 +0.002	110			12 x 8 x 90
180	33.29	12.52	---	3/4-10 UNC x 1.65	2.125	+0.0000 -0.0010	4.33	9.25	0.16	1/2 x 1/2 x 3-5/8
	846	318	10	M20 x 42	55	+0.030 +0.011	110			16 x 10 x 90

Refer to page Engineering-4 for Input Flange and Shaft details.

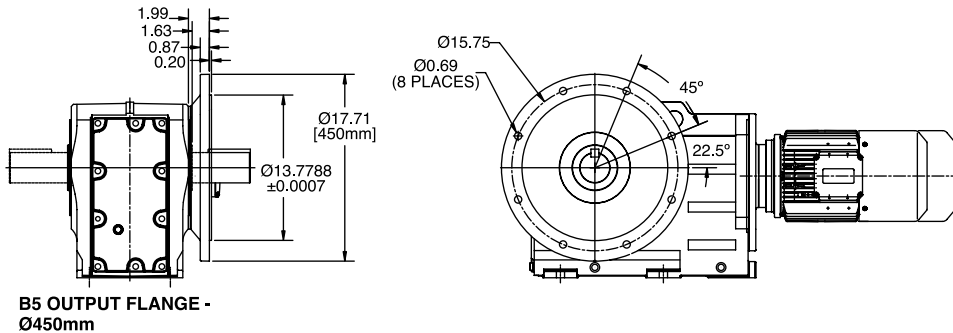
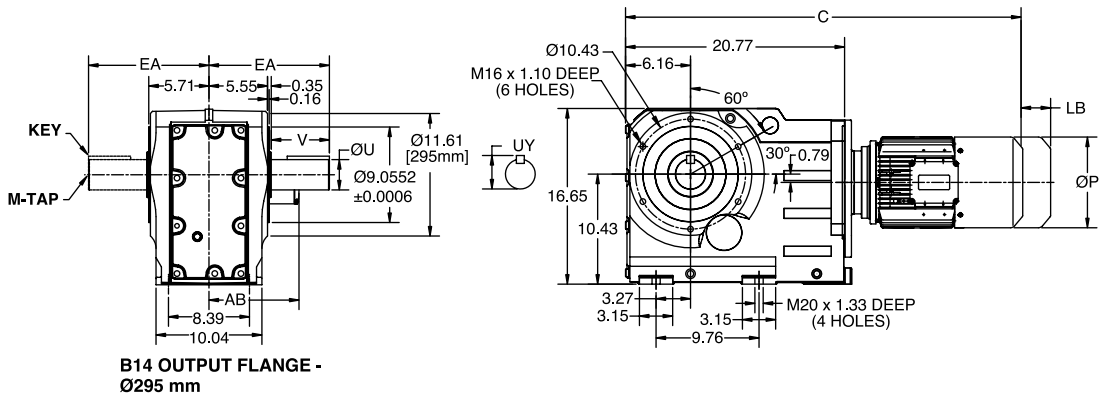
NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS

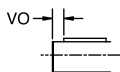


RIGHT ANGLE HELICAL BEVEL (RHB) Integral Gearmotor - Flange Mounted (B4 / B14) Triple Reduction Solid Output Shaft

SIZE: BF128



METRIC OUTPUT SHAFT



DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB) Integral Gearmotor - Flange Mounted (B4 / B14) Triple Reduction Solid Output Shaft

SIZE: BF128

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
2.875	+0.0000 -0.0010	3.21	5.51	-	3/4 x 3/4 x 4	3/4-10 UNC x 1.65	11.42
70	+0.030 +0.011	75	140	15	20 x 12 x 110	M20 x 42	290

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
3.625	+0.0000 -0.0010	4.01	6.69	-	7/8 x 7/8 x 5-5/8	1-8 UNC x 1.97	12.60
90	+0.035 +0.013	95	170	15	25 x 14 x 140	M24 x 50	320

MOTOR

Dimension - Inch/MM

Frame	C	LB	P	AB
90H4	31.39	2.52	7.19	5.79
	798	64	183	148
90I4	32.27	2.52	7.19	5.79
	820	64	183	148
100J4	34.15	2.91	7.19	5.79
	868	74	183	148
112L4	35.79	2.91	8.6	6.88
	910	74	219	175
132M4	37.3	3.9	10.28	8.09
	948	99	262	206
132N4	38.8	3.9	10.28	8.09
	986	99	262	206

NOMENCLATURE
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WEIGHTS
PAGE RHB-372

DIMENSIONS



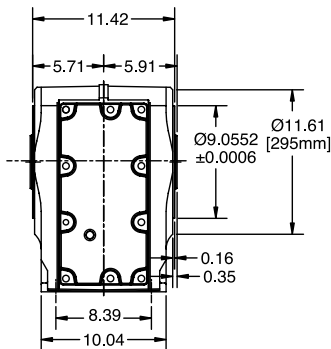
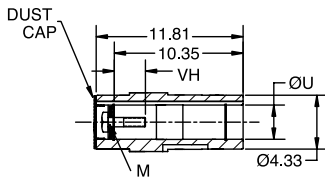
RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF128

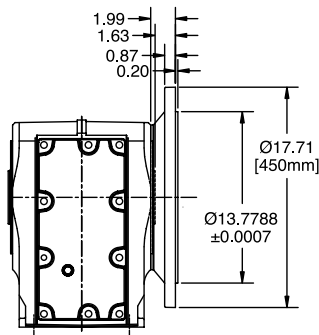
NEMA C-Face - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled

Triple Reduction

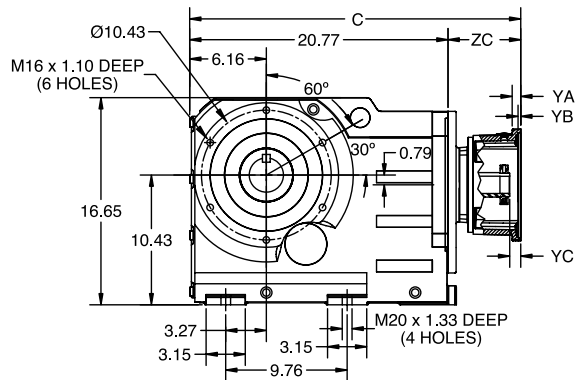
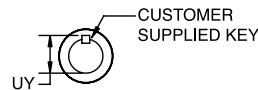
Straight Hollow Bore Output Shaft



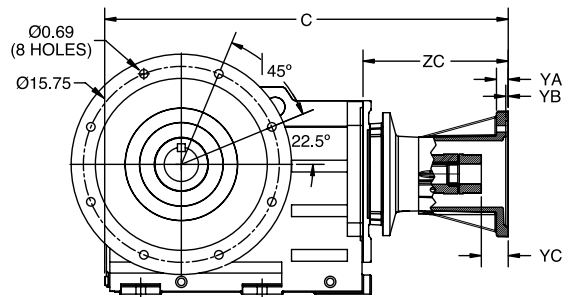
**B14 OUTPUT FLANGE -
Ø295mm**



**B5 OUTPUT FLANGE -
Ø450mm**



CLAMP COLLAR



THREE-PIECE COUPLED

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RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF128

NEMA C-Face - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled

Triple Reduction

Straight Hollow Bore Output Shaft

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
2.750	+0.0012 +0.0004	3.04	2.51	5/8 x 5/8 x 6-1/8	3/4-10 x 3 UNC
70	+0.029 +0.010	75	68	20 x 12 x 110	M20 x 80

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
2.9375	+0.0012 +0.0004	3.28	2.31	3/4 x 3/4 x 4-7/8	3/4-10 x 3 UNC
80	+0.029 +0.010	85	67	22 x 14 x 125	M20 x 85

NEMA MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YA	YB	YC
140TC	23.41	2.64	0.47	0.20	0.67
180TC	24.72	3.95	0.69	0.22	0.93
210TC	26.62	5.85	0.69	0.22	0.89
250TC	26.60	5.83	0.94	0.20	1.13
280TC	27.40	6.63	0.94	0.20	1.30

NEMA MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YA	YB	YC
140TC	27.29	6.52	0.55	0.20	1.10
180TC	28.44	7.68	0.87	0.22	1.65
210TC	30.45	9.69	0.87	0.22	2.01
250TC	32.44	11.67	0.94	0.20	2.17
280TC	35.14	14.37	0.94	0.20	2.57

Refer to page Engineering-2 for Input Flange and Shaft details.

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-355 for Twin Tapered Bushing details.

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DIMENSIONS



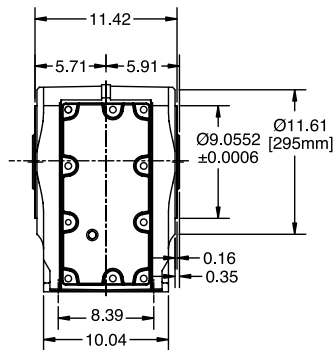
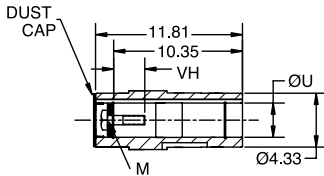
RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF128

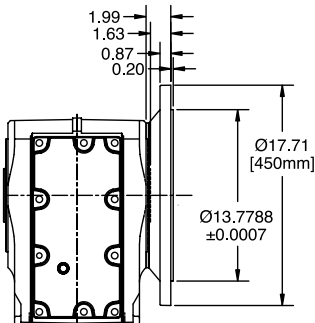
IEC D Flange (B5 Input) - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled

Triple Reduction

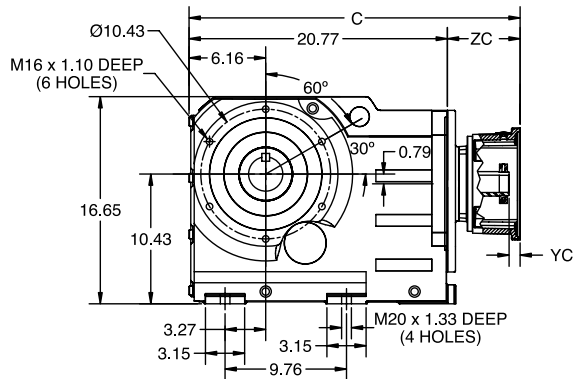
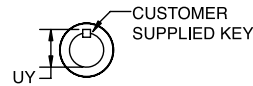
Straight Hollow Bore Output Shaft



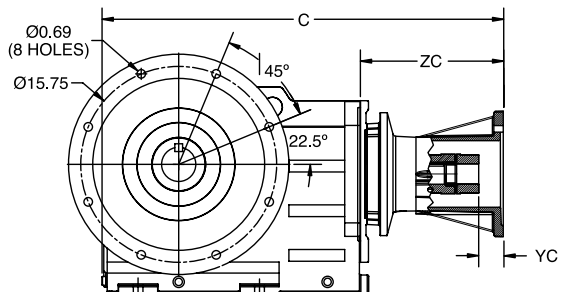
B14 OUTPUT FLANGE -
Ø295mm



B5 OUTPUT FLANGE -
Ø450mm



CLAMP COLLAR



THREE-PIECE COUPLED

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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF128

IEC D Flange (B5 Input) - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled

Triple Reduction

Straight Hollow Bore Output Shaft

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
2.750	+0.0012 +0.0004	3.04	2.51	5/8 x 5/8 x 6-1/8	3/4-10 x 3 UNC
70	+0.029 +0.010	75	68	20 x 12 x 110	M20 x 80

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
2.9375	+0.0012 +0.0004	3.28	2.31	3/4 x 3/4 x 4-7/8	3/4-10 x 3 UNC
80	+0.029 +0.010	85	67	22 x 14 x 125	M20 x 85

IEC MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YC
90D	22.97	2.20	0.61
100D	23.15	2.38	0.28
112D	23.39	2.62	0.28
132D	24.96	4.19	0.87
160D	26.70	5.93	0.79
180D	27.23	6.46	0.85
200D	27.62	6.85	1.18

IEC MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YC
90D	27.20	6.43	1.02
100D	27.97	7.20	1.18
112D	27.84	7.07	1.18
132D	30.22	9.45	1.77
160D	32.87	12.10	2.60
180D	34.86	14.09	2.32
200D	34.90	14.13	2.36

Refer to page Engineering-3 for Input Flange and Shaft details.

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-355 for Twin Tapered Bushing details.

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DIMENSIONS



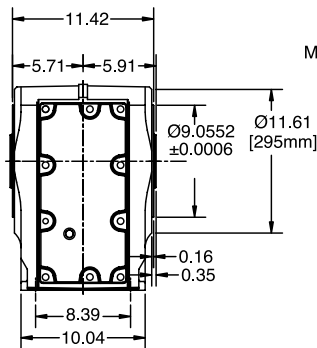
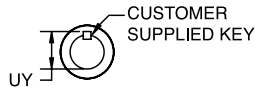
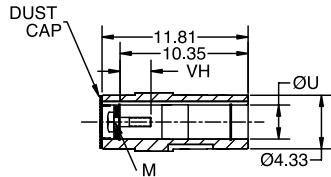
RIGHT ANGLE HELICAL BEVEL (RHB)

Separate - Flange Mounted (B5 / B14)

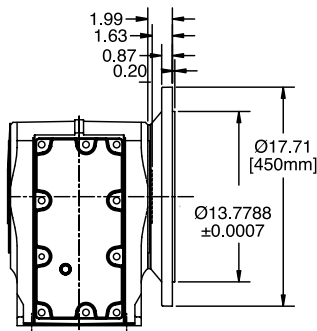
Triple Reduction

Straight Hollow Bore Output Shaft

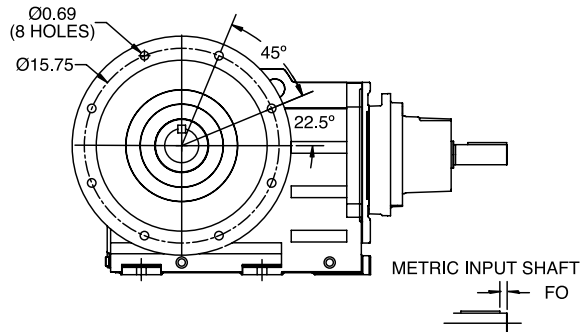
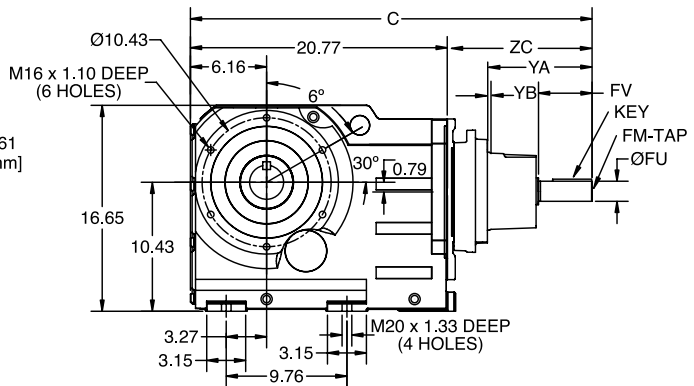
SIZE: BF128



**B14 OUTPUT FLANGE -
Ø295mm**



**B5 OUTPUT FLANGE -
Ø450mm**



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF128

Separate - Flange Mounted (B5 / B14)

Triple Reduction

Straight Hollow Bore Output Shaft

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
2.750	+0.0012 +0.0004	3.04	2.51	5/8 x 5/8 x 6-1/8	3/4-10 x 3 UNC
70	+0.029 +0.010	75	68	20 x 12 x 110	M20 x 80

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
2.9375	+0.0012 +0.0004	3.28	2.31	3/4 x 3/4 x 4-7/8	3/4-10 x 3 UNC
80	+0.029 +0.010	85	67	22 x 14 x 125	M20 x 85

SEPARATE INPUT

Dimension - Inch/MM

	C	ZC	F0	FM x Depth	ØFU	tol.	FV	YA	YB	Key
90	26.99	6.22	---	5/16-18 UNC x 0.75	0.875	+0.0000 -0.0005	1.97	2.80	0.16	3/16 x 3/16 x 1-5/8
	686	158	5	M8 x 19	24	+0.015 +0.002	50			8 x 7 x 40
100	27.50	6.73	---	3/8-16 UNC x 0.87	1.125	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	699	171	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
112	27.45	6.68	---	3/8-16 UNC x 0.87	1.250	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	697	170	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
132	30.73	9.96	---	3/8-16 UNC x 0.87	1.375	+0.0000 -0.0005	3.15	6.61	0.14	5/15 x 5/16 x 2-3/4
	781	253	5	M12 x 28	38	+0.018 +0.002	80			10 x 8 x 70
160	32.48	11.71	---	5/8-11 UNC x 1.42	1.625	+0.0000 -0.0010	4.33	8.46	0.14	3/8 x 3/8 x 3-1/2
	825	298	10	M16 x 36	42	+0.018 +0.002	110			12 x 8 x 90
180	33.29	12.52	---	3/4-10 UNC x 1.65	2.125	+0.0000 -0.0010	4.33	9.25	0.16	1/2 x 1/2 x 3-5/8
	846	318	10	M20 x 42	55	+0.030 +0.0011	110			16 x 10 x 90

Refer to page Engineering-4 for Input Flange and Shaft details.

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-355 for Twin Tapered Bushing details.

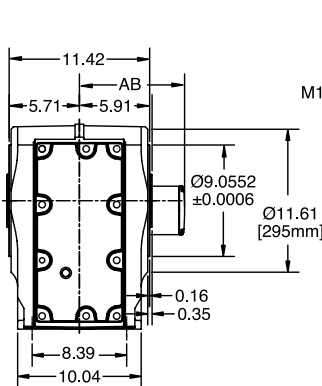
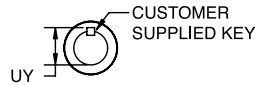
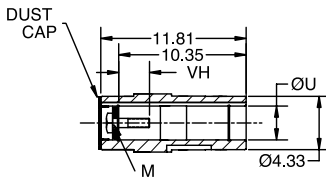
NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS

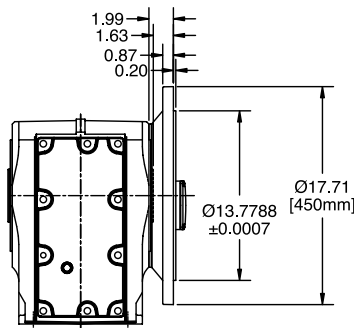
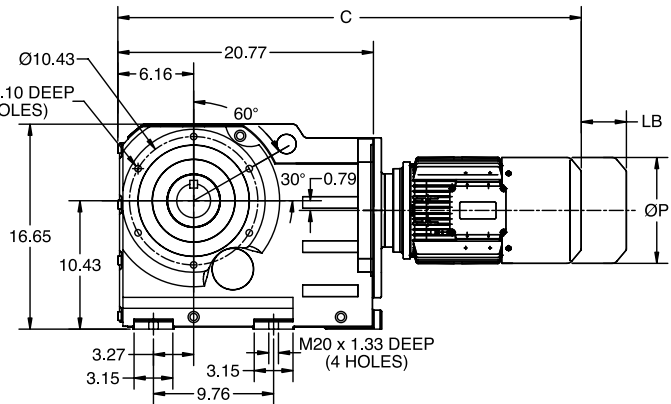


RIGHT ANGLE HELICAL BEVEL (RHB) Integral Gearmotor - Flange Mounted (B5 / B14) Triple Reduction Straight Hollow Bore Output Shaft

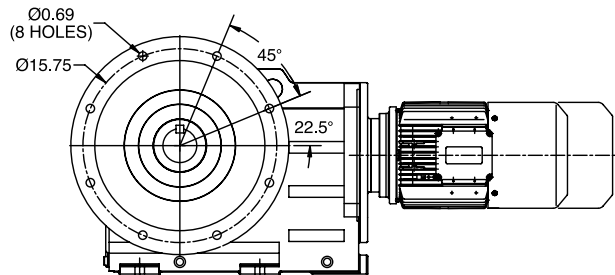
SIZE: BF128



**B14 OUTPUT FLANGE -
Ø295mm**



**B5 OUTPUT FLANGE -
Ø450mm**



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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB) Integral Gearmotor - Flange Mounted (B5 / B14) Triple Reduction Straight Hollow Bore Output Shaft

SIZE: BF128

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
2.750	+0.0012 +0.0004	3.04	2.51	5/8 x 5/8 x 6-1/8	3/4-10 x 3 UNC
70	+0.029 +0.010	75	68	20 x 12 x 110	M20 x 80

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
2.9375	+0.0012 +0.0004	3.28	2.31	3/4 x 3/4 x 4-7/8	3/4-10 x 3 UNC
80	+0.029 +0.010	85	67	22 x 14 x 125	M20 x 85

MOTOR

Dimension - Inch/MM

Frame	C	LB	P	AB
90H4	31.39	2.52	7.19	5.79
	798	64	183	148
90I4	32.27	2.52	7.19	5.79
	820	64	183	148
100J4	34.15	2.91	7.19	5.79
	868	74	183	148
112L4	35.79	2.91	8.6	6.88
	910	74	219	175
132M4	37.3	3.9	10.28	8.09
	948	99	262	206
132N4	38.8	3.9	10.28	8.09
	986	99	262	206

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.
Refer to page RHB-355 for Twin Tapered Bushing details.

QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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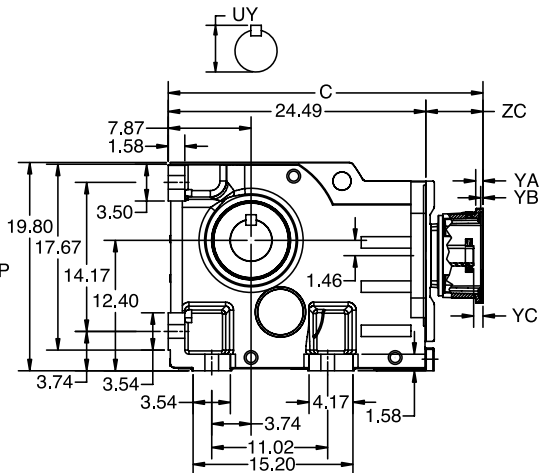
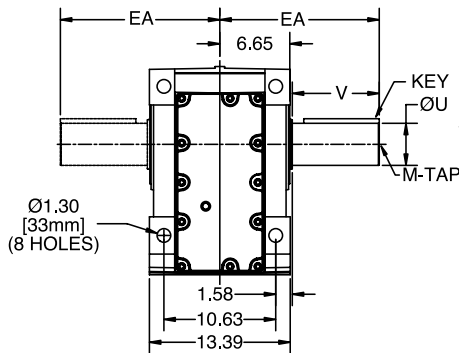
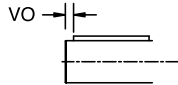
DIMENSIONS



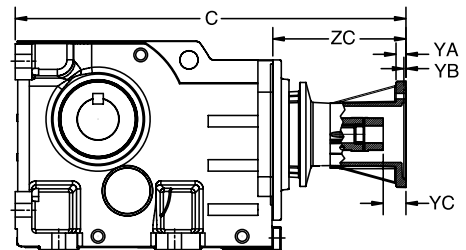
RIGHT ANGLE HELICAL BEVEL (RHB) NEMA C-Face - Foot Mounted - Clamp Collar / 3 Piece Coupled Triple Reduction Solid Output Shaft

SIZE: BB148

METRIC OUTPUT SHAFT



CLAMP COLLAR



THREE-PIECE COUPLED

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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB) NEMA C-Face - Foot Mounted - Clamp Collar / 3 Piece Coupled Triple Reduction Solid Output Shaft

SIZE: BB148

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
3.625	+0.0000 -0.0010	4.01	6.69	-	7/8 x 7/8 x 5-1/4	1-8 UNC x 1.97	13.58
90	+0.035 +0.013	95	170	15	25 x 14 x 140	M24 x 50	345

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
4.000	+0.0000 -0.0010	4.44	8.27	-	1 x 1 x 7-1/8	1-8 UNC x 1.97	15.16
100	+0.035 +0.013	106	210	15	28 x 16 x 180	M24 x 50	385

NEMA MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YA	YB	YC
180TC	28.07	3.58	0.73	0.22	0.91
210TC	29.92	5.43	0.69	0.22	0.89
250TC	29.66	5.17	0.95	0.20	1.13
280TC	30.58	6.09	0.95	0.20	1.30
320TC	32.17	7.68	1.02	0.20	1.19

NEMA MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YA	YB	YC
180TC	31.79	7.30	0.73	0.22	1.65
210TC	33.76	9.27	0.87	0.22	2.01
250TC	35.51	11.02	0.95	0.20	2.17
280TC	38.33	13.84	0.95	0.20	2.57
320TC	40.83	16.34	1.02	0.20	2.99

Refer to page Engineering-2 for Input Flange and Shaft details.

QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

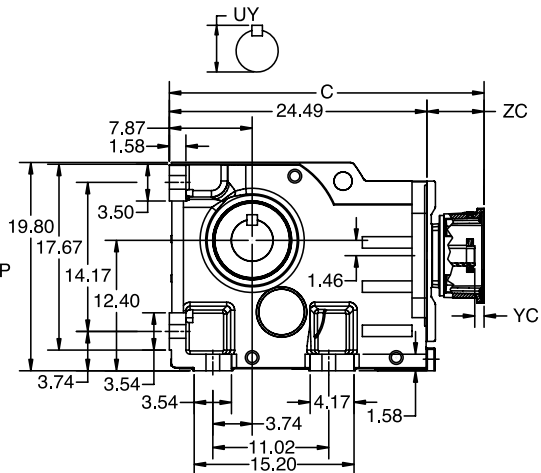
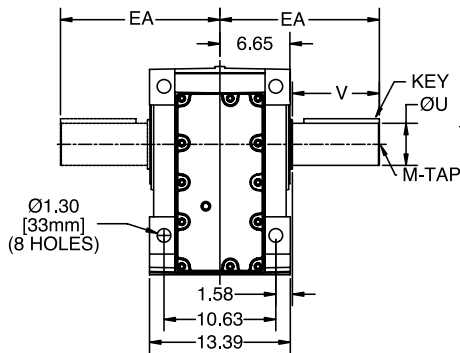
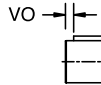
SIZE: BB148

IEC D Flange (B5 Input) - Foot Mounted - Clamp Collar / 3 Piece Coupled

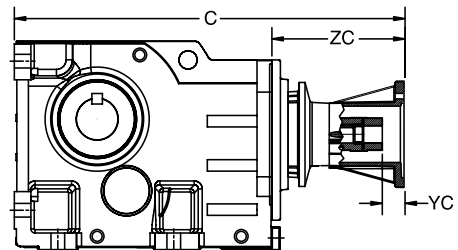
Triple Reduction

Solid Output Shaft

METRIC OUTPUT SHAFT



CLAMP COLLAR



THREE-PIECE COUPLED

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RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB148

IEC D Flange (B5 Input) - Foot Mounted - Clamp Collar / 3 Piece Coupled
Triple Reduction
Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
3.625	+0.0000 -0.0010	4.01	6.69	-	7/8 x 7/8 x 5-1/4	1-8 UNC x 1.97	13.58
90	+0.035 +0.013	95	170	15	25 x 14 x 140	M24 x 50	345

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
4.000	+0.0000 -0.0010	4.44	8.27	-	1 x 1 x 7-1/8	1-8 UNC x 1.97	15.16
100	+0.035 +0.013	106	210	15	28 x 16 x 180	M24 x 50	385

IEC MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YC
100D	26.50	2.01	0.28
112D	26.69	2.20	0.28
132D	28.27	3.78	0.87
160D	29.77	5.28	0.79
180D	30.42	5.93	0.83
200D	30.81	6.32	1.18

IEC MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YC
100D	31.32	6.83	1.18
112D	31.14	6.65	1.18
132D	33.53	9.04	1.77
160D	35.95	11.46	2.60
180D	38.05	13.56	2.32
200D	38.09	13.60	2.36
225D	41.38	16.89	3.54

Refer to page Engineering-3 for Input Flange and Shaft details.

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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

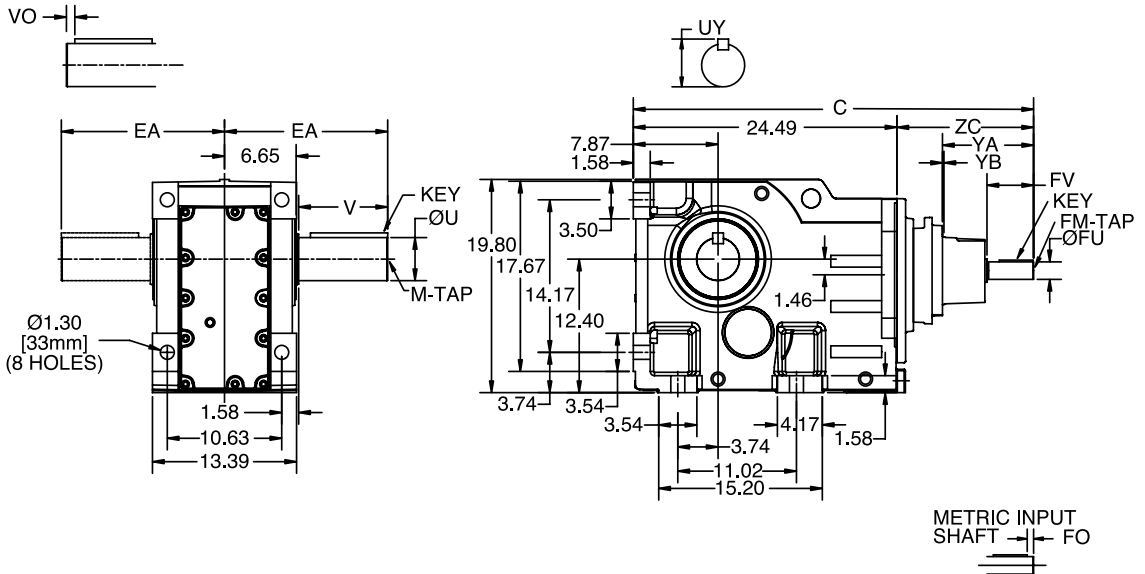
Separate - Foot Mounted

Triple Reduction

Solid Output Shaft

SIZE: BB148

METRIC OUTPUT SHAFT



NOMENCLATURE
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PAGE RHB-11

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RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB148

Separate - Foot Mounted

Triple Reduction

Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
3.625	+0.0000 -0.0010	4.01	6.69	-	7/8 x 7/8 x 5-1/4	1-8 UNC x 1.97	13.58
90	+0.035 +0.013	95	170	15	25 x 14 x 140	M24 x 50	345

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
4.000	+0.0000 -0.0010	4.44	8.27	-	1 x 1 x 7-1/8	1-8 UNC x 1.97	15.16
100	+0.035 +0.013	106	210	15	28 x 16 x 180	M24 x 50	385

SEPARATE INPUT

Dimension - Inch/MM

	C	ZC	FO	FM x Depth	ØFU	tol.	FV	YA	YB	Key
100	30.85	6.36	---	3/8-16 UNC x 0.87	1.125	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	784	162	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
112	30.75	6.26	---	3/8-16 UNC x 0.87	1.250	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	781	159	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
132	34.04	9.55	---	3/8-16 UNC x 0.87	1.375	+0.0000 -0.0005	3.15	6.61	0.14	5/16 x 5/16 x 2-3/4
	865	243	5	M12 x 28	38	+0.018 +0.002	80			10 x 8 x 70
160	35.55	11.06	---	5/8-11 UNC x 1.42	1.625	+0.0000 -0.0010	4.33	8.46	0.14	3/8 x 3/8 x 3-1/2
	903	281	10	M16 x 36	42	+0.018 +0.002	110			12 x 8 x 90
180	36.48	11.99	---	3/4-10 UNC x 1.65	2.125	+0.0000 -0.0010	4.33	9.25	0.16	1/2 x 1/2 x 3-5/8
	927	305	10	M20 x 42	55	+0.030 +0.010	110			16 x 10 x 90
225	37.56	13.07	---	3/4-10 UNC x 1.65	2.125	+0.0000 -0.0010	4.33	9.02	0.14	1/2 x 1/2 x 3-5/8
	984	362	15	M20 x 42	60	+0.030 +0.011	140			18 x 11 x 110

Refer to page Engineering-4 for Input Flange and Shaft details.

NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

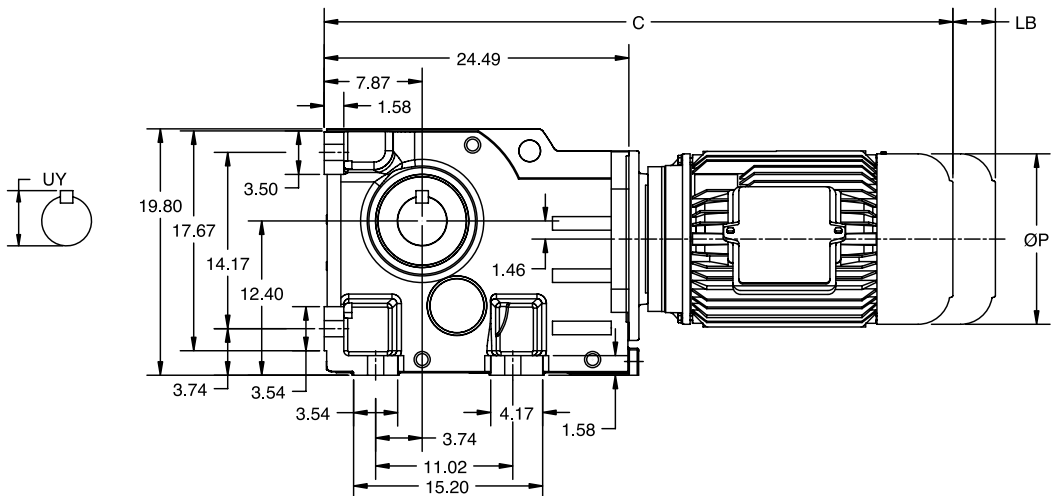
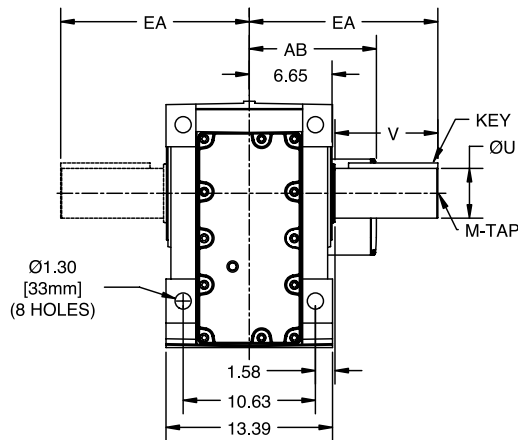
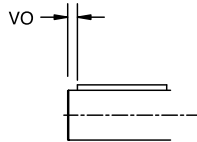
Integral Gearmotor - Foot Mounted

Triple Reduction

Solid Output Shaft

SIZE: BB148

METRIC OUTPUT SHAFT



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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB148

Integral Gearmotor - Foot Mounted

Triple Reduction

Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
3.625	+0.0000 -0.0010	4.01	6.69	-	7/8 x 7/8 x 5-1/4	1-8 UNC x 1.97	13.58
90	+0.035 +0.013	95	170	15	25 x 14 x 140	M24 x 50	345

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
4.000	+0.0000 -0.0010	4.44	8.27	-	1 x 1 x 7-1/8	1-8 UNC x 1.97	15.16
100	+0.035 +0.013	106	210	15	28 x 16 x 180	M24 x 50	385

MOTOR

Dimension - Inch/MM

Frame	C	LB	P	AB
100J4	37.50	2.91	7.19	5.79
	953	74	183	148
112L4	39.09	2.91	8.6	6.88
	993	74	219	175
132M4	40.61	3.9	10.28	8.09
	1032	99	262	206
132N4	42.11	3.9	10.28	8.09
	1070	99	262	206

NOMENCLATURE
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RIGHT ANGLE HELICAL BEVEL (RHB) NEMA C-Face - Foot Mounted - Clamp Collar / 3 Piece Coupled Triple Reduction Straight Hollow Bore Output Shaft

SIZE: BB148

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
3.625	+0.0012 +0.0004	3.84	2.31	7/8 x 11/16 x 7-1/16	1-8 x 2-1/2 UNC
80	+0.034 +0.012	85	68	22 x 14 x 125	M20 x 85

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
3.4375	+0.0014 +0.0005	3.70	2.29	7/8 x 3/4 x 7-7/16	1-8 x 2-1/2 UNC
90	+0.034 +0.012	95	77	25 x 14 x 140	M24 x 95

NEMA MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YA	YB	YC
180TC	28.07	3.58	0.73	0.22	0.91
210TC	29.92	5.43	0.69	0.22	0.89
250TC	29.66	5.17	0.95	0.20	1.13
280TC	30.58	6.09	0.95	0.20	1.30
320TC	32.17	7.68	1.02	0.20	1.19

NEMA MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YA	YB	YC
180TC	31.79	7.30	0.73	0.22	1.65
210TC	33.76	9.27	0.87	0.22	2.01
250TC	35.51	11.02	0.95	0.20	2.17
280TC	38.33	13.84	0.95	0.20	2.57
320TC	40.83	16.34	1.02	0.20	2.99

Refer to page Engineering-2 for Input Flange and Shaft details.
Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.
Refer to page RHB-356 for Twin Tapered Bushing details.

NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB148

IEC D Flange (B5 Input) - Foot Mounted - Clamp Collar / 3 Piece Coupled

Triple Reduction

Straight Hollow Bore Output Shaft

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
3.625	+0.0012 +0.0004	3.84	2.31	7/8 x 11/16 x 7-1/16	1-8 x 2-1/2 UNC
80	+0.034 +0.012	85	68	22 x 14 x 125	M20 x 85

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
3.4375	+0.0014 +0.0005	3.70	2.29	7/8 x 3/4 x 7-7/16	1-8 x 2-1/2 UNC
90	+0.034 +0.012	95	77	25 x 14 x 140	M24 x 95

IEC MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YC
100D	26.50	2.01	0.28
112D	26.69	2.20	0.28
132D	28.27	3.78	0.87
160D	29.77	5.28	0.79
180D	30.42	5.93	0.83
200D	30.81	6.32	1.18

IEC MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YC
100D	31.32	6.83	1.18
112D	31.14	6.65	1.18
132D	33.53	9.04	1.77
160D	35.95	11.46	2.60
180D	38.05	13.56	2.32
200D	38.09	13.60	2.36
225D	41.38	16.89	3.54

Refer to page Engineering-3 for Input Flange and Shaft details.

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-356 for Twin Tapered Bushing details.

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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB148

Separate - Foot Mounted

Triple Reduction

Straight Hollow Bore Output Shaft

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
3.625	+0.0012 +0.0004	3.84	2.31	7/8 x 11/16 x 7-1/16	1-8 x 2-1/2 UNC
80	+0.034 +0.012	85	68	22 x 14 x 125	M20 x 85

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
3.4375	+0.0014 +0.0005	3.70	2.29	7/8 x 3/4 x 7-7/16	1-8 x 2-1/2 UNC
90	+0.034 +0.012	95	77	25 x 14 x 140	M24 x 95

SEPARATE INPUT

Dimension - Inch/MM

	C	ZC	FO	FM x Depth	ØFU	tol.	FV	YA	YB	Key
100	30.85	6.36	---	3/8-16 UNC x 0.87	1.125	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	784	162	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
112	30.75	6.26	---	3/8-16 UNC x 0.87	1.250	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	781	159	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
132	34.04	9.55	---	3/8-16 UNC x 0.87	1.375	+0.0000 -0.0005	3.15	6.61	0.14	5/16 x 5/16 x 2-3/4
	865	243	5	M12 x 28	38	+0.018 +0.002	80			10 x 8 x 70
160	35.55	11.06	---	5/8-11 UNC x 1.42	1.625	+0.0000 -0.0010	4.33	8.46	0.14	3/8 x 3/8 x 3-1/2
	903	281	10	M16 x 36	42	+0.018 +0.002	110			12 x 8 x 90
180	36.48	11.99	---	3/4-10 UNC x 1.65	2.125	+0.0000 -0.0010	4.33	9.25	0.16	1/2 x 1/2 x 3-5/8
	927	305	10	M20 x 42	55	+0.030 +0.011	110			16 x 10 x 90
225	37.56	13.07	---	3/4-10 UNC x 1.65	2.125	+0.0000 -0.0010	4.33	9.02	0.14	1/2 x 1/2 x 3-5/8
	984	362	15	M20 x 42	60	+0.030 +0.011	140			18 x 11 x 110

Refer to page Engineering-4 for Input Flange and Shaft details.

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-356 for Twin Tapered Bushing details.

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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB148

Integral Gearmotor - Foot Mounted

Triple Reduction

Straight Hollow Bore Output Shaft

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
3.625	+0.0012 +0.0004	3.89	2.31	7/8 x 11/16 x 7-1/16	1-8 x 2-1/2 UNC
80	+0.034 +0.012	85	68	22 x 14 x 125	M20 x 85

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
3.4375	+0.0014 +0.0005	3.70	2.29	7/8 x 3/4 x 7-7/16	1-8 x 2-1/2 UNC
90	+0.034 +0.012	95	77	25 x 14 x 140	M24 x 95

MOTOR

Dimension - Inch/MM

Frame	C	LB	P	AB
100J4	37.5	2.91	7.19	5.79
	953	74	183	148
112L4	39.09	2.91	8.6	6.88
	993	74	219	175
132M4	40.61	3.9	10.28	8.09
	1032	99	262	206
132N4	42.11	3.9	10.28	8.09
	1070	99	262	206

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-356 for Twin Tapered Bushing details.

QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

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DIMENSIONS



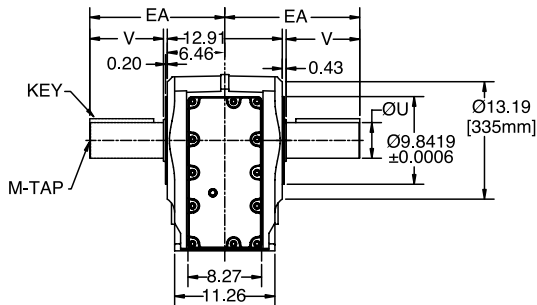
RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF148

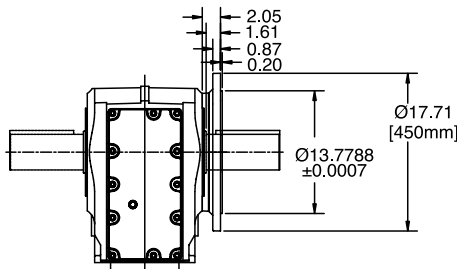
NEMA C-Face - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled

Triple Reduction

Solid Output Shaft

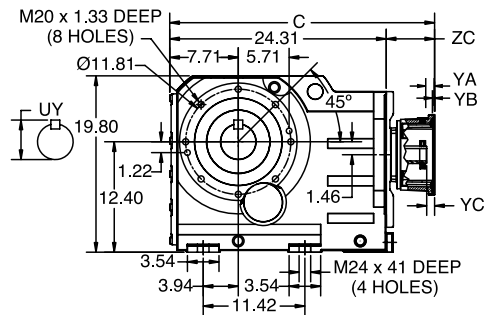
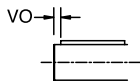


**B14 OUTPUT FLANGE -
Ø335mm**

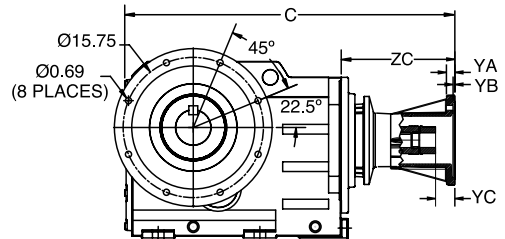


**B5 OUTPUT FLANGE -
Ø450mm**

METRIC OUTPUT SHAFT



CLAMP COLLAR



THREE-PIECE COUPLED

RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF148

NEMA C-Face - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled

Triple Reduction

Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
3.625	+0.0000 -0.0010	4.01	6.69	-	7/8 x 7/8 x 5-1/4	1-8 UNC x 1.97	13.58
90	+0.035 +0.013	95	170	15	25 x 14 x 140	M24 x 50	345

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
4.000	+0.0000 -0.0010	4.44	8.27	-	1 x 1 x 7-1/8	1-8 UNC x 1.97	15.16
100	+0.035 +0.013	106	210	15	28 x 16 x 180	M24 x 50	385

NEMA MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YA	YB	YC
180TC	27.89	3.58	0.73	0.22	0.91
210TC	29.74	5.43	0.69	0.22	0.89
250TC	29.48	5.17	0.95	0.20	1.13
280TC	30.40	6.09	0.95	0.20	1.30
320TC	31.99	7.68	1.02	0.20	1.19

NEMA MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YA	YB	YC
180TC	31.61	7.30	0.73	0.22	1.65
210TC	33.58	9.27	0.87	0.22	2.01
250TC	35.33	11.02	0.95	0.20	2.17
280TC	38.15	13.84	0.95	0.20	2.57
320TC	40.65	16.34	1.02	0.20	2.99

Refer to page Engineering-2 for Input Flange and Shaft details.

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DIMENSIONS



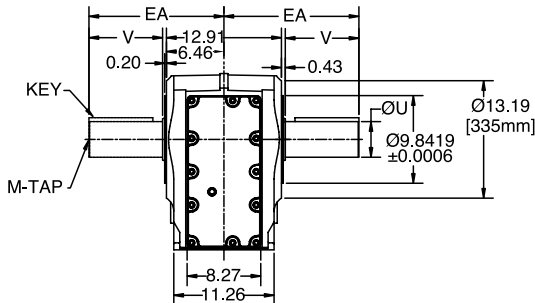
RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF148

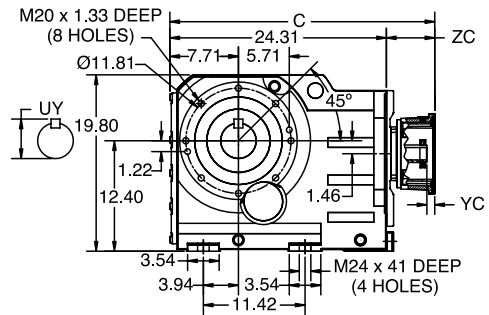
IEC D Flange (B5 Input) - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled

Triple Reduction

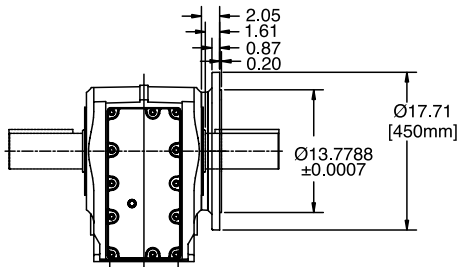
Solid Output Shaft



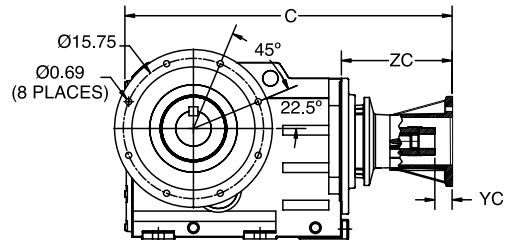
**B14 OUTPUT FLANGE -
Ø335mm**



CLAMP COLLAR

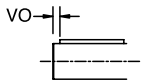


**B5 OUTPUT FLANGE -
Ø450mm**



THREE-PIECE COUPLED

METRIC OUTPUT SHAFT



DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF148

IEC D Flange (B5 Input) - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled

Triple Reduction

Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
3.625	+0.0000 -0.0010	4.01	6.69	-	7/8 x 7/8 x 5-1/4	1-8 UNC x 1.97	13.58
90	+0.035 +0.013	95	170	15	25 x 14 x 140	M24 x 50	345

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
4.000	+0.0000 -0.0010	4.44	8.27	-	1 x 1 x 7-1/8	1-8 UNC x 1.97	15.16
100	+0.035 +0.013	106	210	15	28 x 16 x 180	M24 x 50	385

IEC MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YC
100D	26.32	2.01	0.28
112D	26.51	2.20	0.28
132D	28.09	3.78	0.87
160D	29.59	5.28	0.79
180D	30.24	5.93	0.83
200D	30.63	6.32	1.18

IEC MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YC
100D	31.14	6.83	1.18
112D	30.96	6.65	1.18
132D	33.35	9.04	1.77
160D	35.77	11.46	2.60
180D	37.87	13.56	2.32
200D	37.91	13.60	2.36
225D	41.20	16.89	3.54

Refer to page Engineering-3 for Input Flange and Shaft details.

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DIMENSIONS



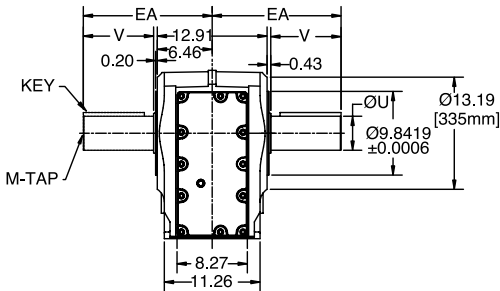
RIGHT ANGLE HELICAL BEVEL (RHB)

Separate - Flange Mounted (B5 / B14)

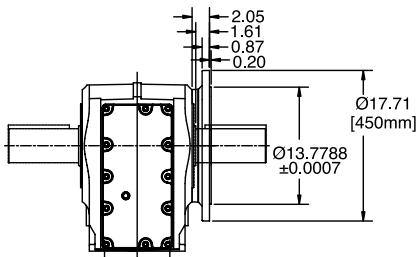
Triple Reduction

Solid Output Shaft

SIZE: BF148

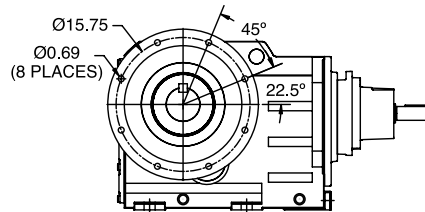
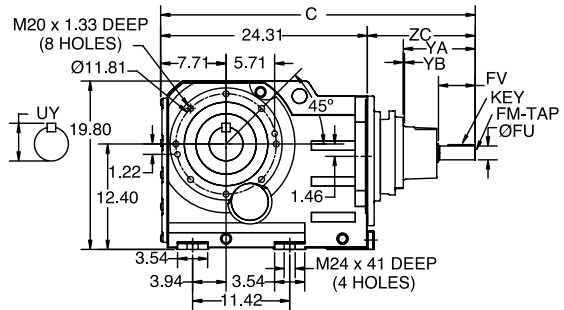
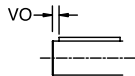


B14 OUTPUT FLANGE - Ø335mm

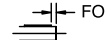


B5 OUTPUT FLANGE - Ø450mm

METRIC OUTPUT SHAFT



METRIC INPUT SHAFT



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF148

Separate - Flange Mounted (B5 / B14)

Triple Reduction

Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
3.625	+0.0000 -0.0010	4.01	6.69	-	7/8 x 7/8 x 5-1/4	1-8 UNC x 1.97	13.58
90	+0.035 +0.013	95	170	15	25 x 14 x 140	M24 x 50	345

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
4.000	+0.0000 -0.0010	4.44	8.27	-	1 x 1 x 7-1/8	1-8 UNC x 1.97	15.16
100	+0.035 +0.013	106	210	15	28 x 16 x 180	M24 x 50	385

SEPARATE INPUT

Dimension - Inch/MM

	C	ZC	F0	FM x Depth	ØFU	tol.	FV	YA	YB	Key
100	30.67	6.36	---	3/8-16 UNC x 0.87	1.125	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	780	162	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
112	30.57	6.26	---	3/8-16 UNC x 0.87	1.250	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	777	159	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
132	33.86	9.55	---	3/8-16 UNC x 0.87	1.375	+0.0000 -0.0005	3.15	6.61	0.14	5/16 x 5/16 x 2-3/4
	861	243	5	M12 x 28	38	+0.018 +0.002	80			10 x 8 x 70
160	35.37	11.06	---	5/8-11 UNC x 1.42	1.625	+0.0000 -0.0010	4.33	8.46	0.14	3/8 x 3/8 x 3-1/2
	899	281	10	M16 x 36	42	+0.018 +0.002	110			12 x 8 x 90
180	36.30	11.99	---	3/4-10 UNC x 1.65	2.125	+0.0000 -0.0010	4.33	9.25	0.16	1/2 x 1/2 x 3-5/8
	923	305	10	M20 x 42	55	+0.030 +0.011	110			16 x 10 x 90
225	37.38	13.07	---	3/4-10 UNC x 1.65	2.125	+0.0000 -0.0010	4.33	9.02	0.14	1/2 x 1/2 x 3-5/8
	980	362	15	M20 x 42	60	+0.030 +0.011	140			18 x 11 x 110

Refer to page Engineering-4 for Input Flange and Shaft details.

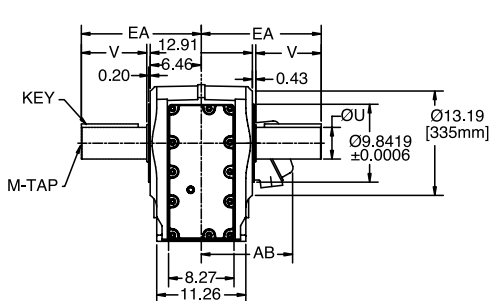
NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS

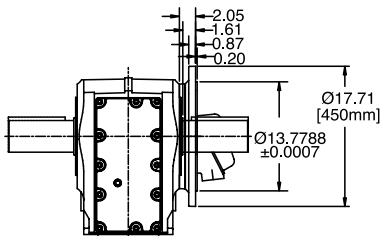
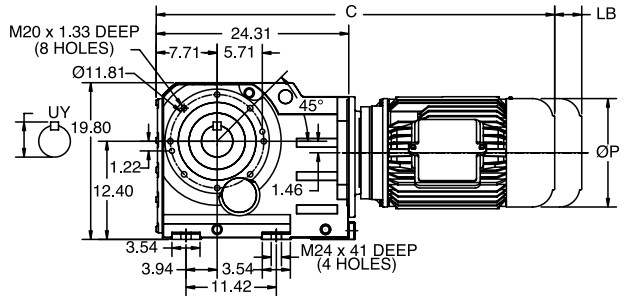


RIGHT ANGLE HELICAL BEVEL (RHB) Integral Gearmotor - Flange Mounted (B5 / B14) Triple Reduction Solid Output Shaft

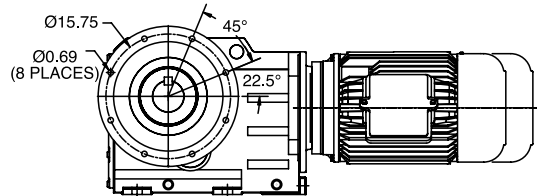
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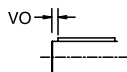
**B14 OUTPUT FLANGE -
Ø335mm**



**B5 OUTPUT FLANGE -
Ø450mm**



METRIC OUTPUT SHAFT



DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB) Integral Gearmotor - Flange Mounted (B5 / B14) Triple Reduction Solid Output Shaft

SIZE: BF148

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
3.625	+0.0000 -0.0010	4.01	6.69	-	7/8 x 7/8 x 5-1/4	1-8 UNC x 1.97	13.58
90	+0.035 +0.013	95	170	15	25 x 14 x 140	M24 x 50	345

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
4.000	+0.0000 -0.0010	4.44	8.27	-	1 x 1 x 7-1/8	1-8 UNC x 1.97	15.16
100	+0.035 +0.013	106	210	15	28 x 16 x 180	M24 x 50	385

MOTOR

Dimension - Inch/MM

Frame	C	LB	P	AB
100J4	37.34	2.91	7.19	5.79
	949	74	183	148
112L4	38.93	2.91	8.6	6.88
	989	74	219	175
132M4	40.45	3.9	10.28	8.09
	1028	99	262	206
132N4	41.95	3.9	10.28	8.09
	1066	99	262	206

RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF148

NEMA C-Face - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled

Triple Reduction

Straight Hollow Bore Output Shaft

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
3.625	+0.0012 +0.0004	3.84	2.31	7/8 x 11/16 x 7-1/16	1-8 x 2-1/2 UNC
80	+0.034 +0.012	85	68	22 x 14 x 125	M20 x 85

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
3.4375	+0.0014 +0.0005	3.70	2.29	7/8 x 3/4 x 7-7/16	1-8 x 2-1/2 UNC
90	+0.034 +0.012	95	77	25 x 14 x 140	M24 x 95

NEMA MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YA	YB	YC
180TC	27.89	3.58	0.73	0.22	0.91
210TC	29.74	5.43	0.69	0.22	0.89
250TC	29.48	5.17	0.95	0.20	1.13
280TC	30.40	6.09	0.95	0.20	1.30
320TC	31.99	7.68	1.02	0.20	1.19

NEMA MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YA	YB	YC
180TC	31.61	7.30	0.73	0.22	1.65
210TC	33.58	9.27	0.87	0.22	2.01
250TC	35.33	11.02	0.95	0.20	2.17
280TC	38.15	13.84	0.95	0.20	2.57
320TC	40.65	16.34	1.02	0.20	2.99

Refer to page Engineering-2 for Input Flange and Shaft details.

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-356 for Twin Tapered Bushing details.

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DIMENSIONS



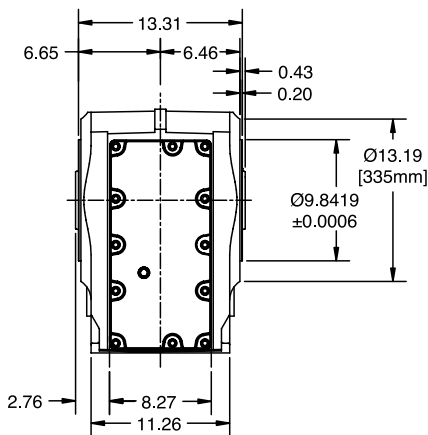
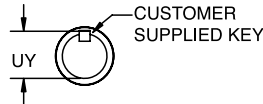
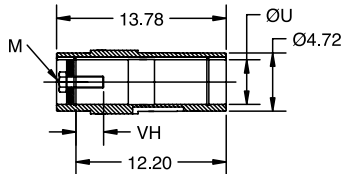
RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF148

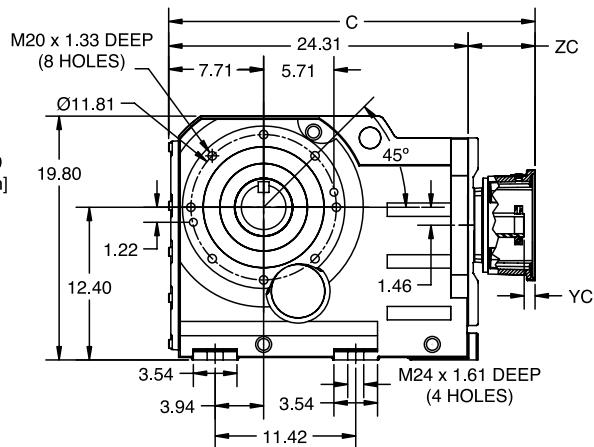
IEC D Flange (B5 Input) - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled

Triple Reduction

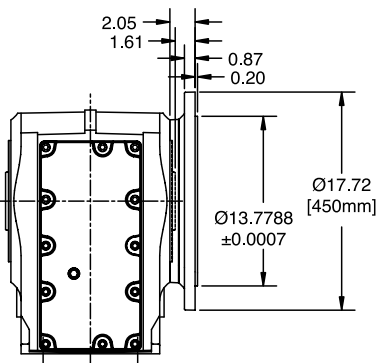
Straight Hollow Bore Output Shaft



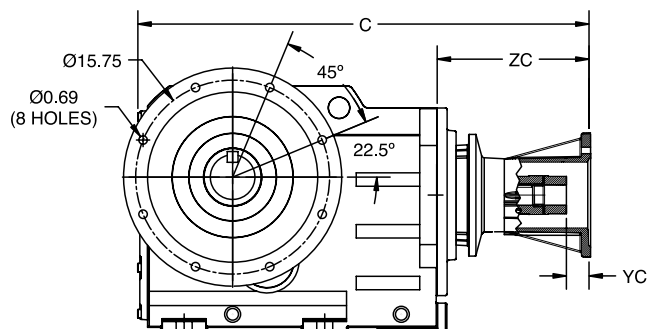
B14 OUTPUT FLANGE -
Ø335mm



CLAMP COLLAR



B5 OUTPUT FLANGE -
Ø450mm



THREE-PIECE COUPLED

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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF148

IEC D Flange (B5 Input) - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled
Triple Reduction

Straight Hollow Bore Output Shaft

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
3.625	+0.0012 +0.0004	3.84	2.31	7/8 x 11/16 x 7-1/16	1-8 x 2-1/2 UNC
80	+0.034 +0.012	85	68	22 x 14 x 125	M20 x 85

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
3.4375	+0.0014 +0.0005	3.70	2.29	7/8 x 3/4 x 7-7/16	1-8 x 2-1/2 UNC
90	+0.034 +0.012	95	77	25 x 14 x 140	M24 x 95

IEC MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YC
100D	26.32	2.01	0.28
112D	26.51	2.20	0.28
132D	28.09	3.78	0.87
160D	29.59	5.28	0.79
180D	30.24	5.93	0.83
200D	30.63	6.32	1.18

IEC MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YC
100D	31.14	6.83	1.18
112D	30.96	6.65	1.18
132D	33.35	9.04	1.77
160D	35.77	11.46	2.60
180D	37.87	13.56	2.32
200D	37.91	13.60	2.36
225D	41.20	16.89	3.54

Refer to page Engineering-3 for Input Flange and Shaft details.

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-356 for Twin Tapered Bushing details.

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DIMENSIONS



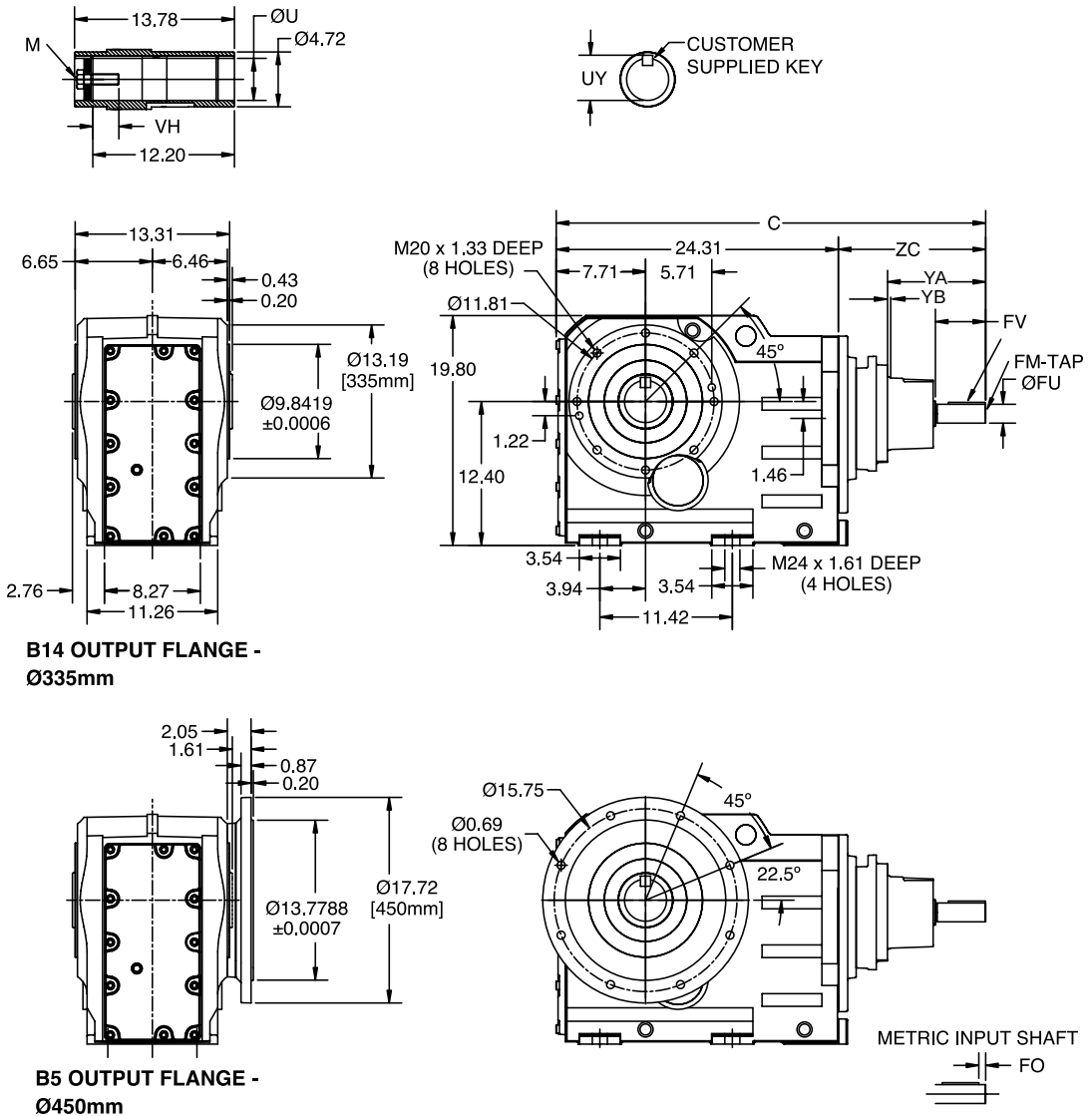
RIGHT ANGLE HELICAL BEVEL (RHB)

Separate - Flange Mounted (B5 / B14)

Triple Reduction

Straight Hollow Bore Output Shaft

SIZE: BF148



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RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF148

Separate - Flange Mounted (B5 / B14)

Triple Reduction

Straight Hollow Bore Output Shaft

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
3.625	+0.0012 +0.0004	3.84	2.31	7/8 x 11/16 x 7-1/16	1-8 x 2-1/2 UNC
80	+0.034 +0.012	85	68	22 x 14 x 125	M20 x 85

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
3.4375	+0.0014 +0.0005	3.70	2.29	7/8 x 3/4 x 7-7/16	1-8 x 2-1/2 UNC
90	+0.034 +0.012	95	77	25 x 14 x 140	M24 x 95

SEPARATE INPUT

Dimension - Inch/MM

	C	ZC	FO	FM x Depth	ØFU	tol.	FV	YA	YB	Key
100	30.67	6.36	---	3/8-16 UNC x 0.87	1.125	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	780	162	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
112	30.57	6.26	---	3/8-16 UNC x 0.87	1.250	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	777	159	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
132	33.86	9.55	---	3/8-16 UNC x 0.87	1.375	+0.0000 -0.0005	3.15	6.61	0.14	5/16 x 5/16 x 2-3/4
	861	243	5	M12 x 28	38	+0.018 +0.002	80			10 x 8 x 70
160	35.37	11.06	---	5/8-11 UNC x 1.42	1.625	+0.0000 -0.0010	4.33	8.46	0.14	3/8 x 3/8 x 3-1/2
	899	281	10	M16 x 36	42	+0.018 +0.002	110			12 x 8 x 90
180	36.30	11.99	---	3/4-10 UNC x 1.65	2.125	+0.0000 -0.0010	4.33	9.25	0.16	1/2 x 1/2 x 3-5/8
	923	305	10	M20 x 42	55	+0.030 +0.011	110			16 x 10 x 90
225	37.38	13.07	---	3/4-10 UNC x 1.65	2.125	+0.0000 -0.0010	4.33	9.02	0.14	1/2 x 1/2 x 3-5/8
	980	362	15	M20 x 42	60	+0.030 +0.011	140			18 x 11 x 110

Refer to page Engineering-4 for Input Flange and Shaft details.

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-356 for Twin Tapered Bushing details.

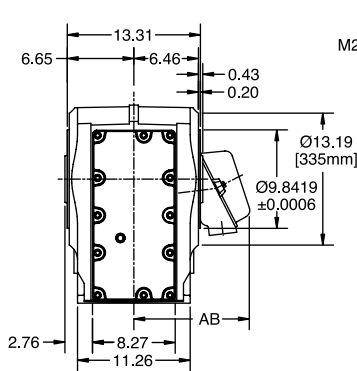
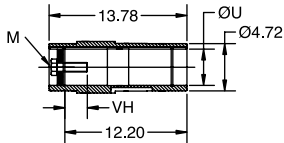
NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS

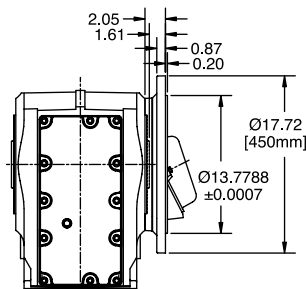
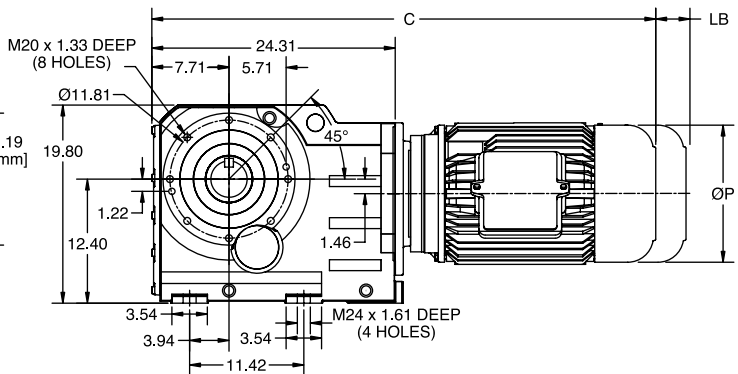


RIGHT ANGLE HELICAL BEVEL (RHB) Integral Gearmotor - Flange Mounted (B5 / B14) Triple Reduction Straight Hollow Bore Output Shaft

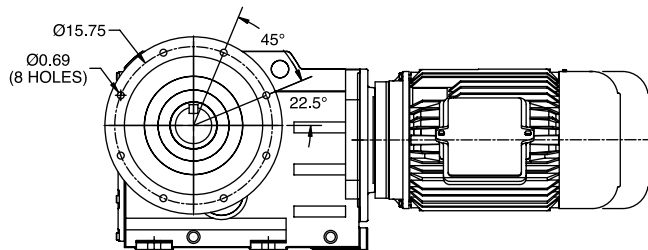
SIZE: BF148



**B14 OUTPUT FLANGE -
Ø335mm**



**B5 OUTPUT FLANGE -
Ø450mm**



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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB) Integral Gearmotor - Flange Mounted (B5 / B14) Triple Reduction Straight Hollow Bore Output Shaft

SIZE: BF148

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY (H)	M-TAP x DEPTH
3.625	+0.0012 +0.0004	3.84	2.31	7/8 x 11/16 x 7-1/16	1-8 x 2-1/2 UNC
80	+0.034 +0.012	85	68	22 x 14 x 125	M20 x 85

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY (H)	M-TAP x DEPTH
3.4375	+0.0014 +0.0005	3.70	2.29	7/8 x 3/4 x 7-7/16	1-8 x 2-1/2 UNC
90	+0.034 +0.012	95	77	25 x 14 x 140	M24 x 95

MOTOR

Dimension - Inch/MM

Frame	C	LB	P	AB
100J4	37.34	2.91	7.19	5.79
	949	74	183	148
112L4	38.93	2.91	8.6	6.88
	989	74	219	175
132M4	40.45	3.9	10.28	8.09
	1028	99	262	206
132N4	41.95	3.9	10.28	8.09
	1066	99	262	206

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.
Refer to page RHB-356 for Twin Tapered Bushing details.

QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

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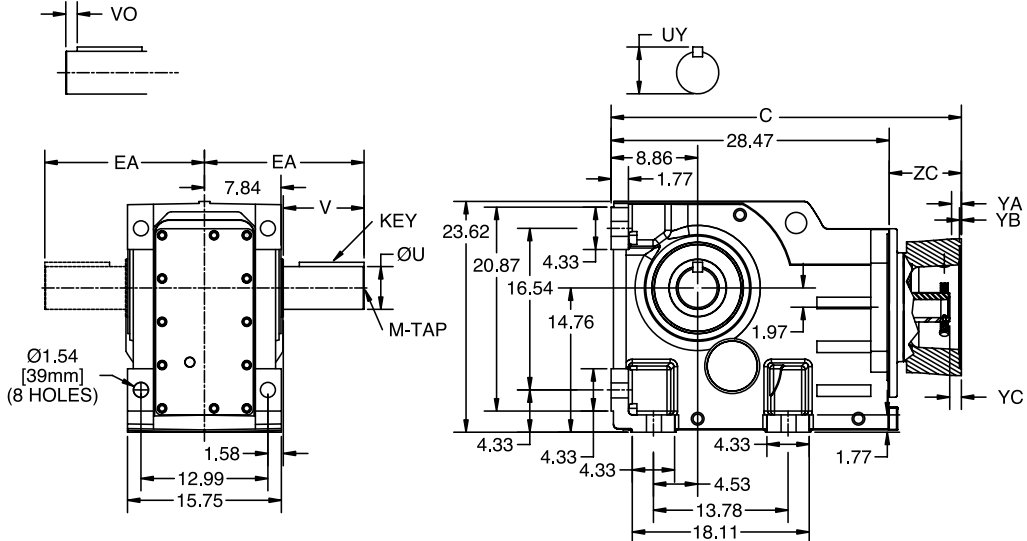
DIMENSIONS



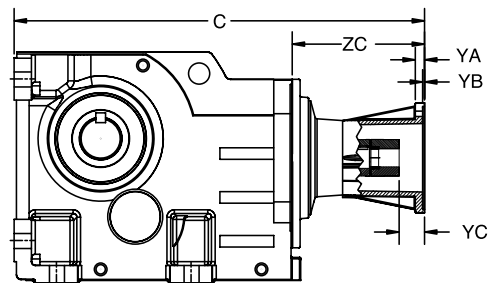
RIGHT ANGLE HELICAL BEVEL (RHB) NEMA C-Face - Foot Mounted - Clamp Collar / 3 Piece Coupled Triple Reduction Solid Output Shaft

SIZE: BB168

METRIC OUTPUT SHAFT



CLAMP COLLAR



THREE-PIECE COUPLED

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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB) NEMA C-Face - Foot Mounted - Clamp Collar / 3 Piece Coupled Triple Reduction Solid Output Shaft

SIZE: BB168

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
4.375	+0.0000 -0.0010	4.82	8.27	-	1 x 1 x 6-5/8	1-8 UNC x 1.97	16.34
110	+0.035 +0.013	116	210	15	28 x 16 x 180	M24 x 50	415

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
4.750	+0.0000 -0.0010	5.30	8.27	-	1-1/4 x 1-1/4 x 7	1-8 UNC x 1.97	16.34
120	+0.035 +0.013	127	210	15	32 x 18 x 180	M24 x 50	415

NEMA MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YA	YB	YC
210TC	33.59	5.12	0.69	0.22	0.89
250TC	33.34	4.87	0.94	0.20	1.13
280TC	34.26	5.79	0.94	0.20	1.30
320TC	35.87	7.40	1.00	0.20	1.19
360TC	37.58	9.11	1.02	0.20	1.48

NEMA MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YA	YB	YC
210TC	37.43	8.96	0.87	0.22	2.01
250TC	39.20	10.73	0.94	0.20	2.17
280TC	42.01	13.54	0.94	0.20	2.57
320TC	44.51	16.04	1.02	0.20	2.99
360TC	45.56	17.09	1.02	0.20	3.27

Refer to page Engineering-2 for Input Flange and Shaft details.

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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

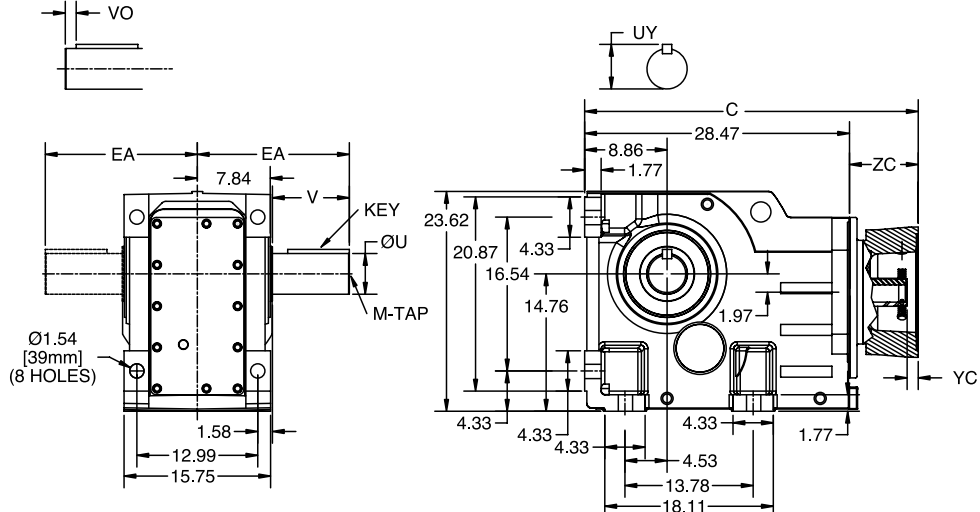
SIZE: BB168

IEC D Flange (B5 Input) - Foot Mounted - Clamp Collar / 3 Piece Coupled

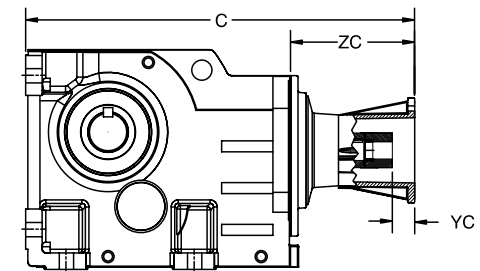
Triple Reduction

Solid Output Shaft

METRIC OUTPUT SHAFT



CLAMP COLLAR



THREE-PIECE COUPLED

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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB168

IEC D Flange (B5 Input) - Foot Mounted - Clamp Collar / 3 Piece Coupled
Triple Reduction
Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
4.375	+0.0000 -0.0010	4.82	8.27	-	1 x 1 x 6-5/8	1-8 UNC x 1.97	16.34
110	+0.035 +0.013	116	210	15	28 x 16 x 180	M24 x 50	415

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
4.750	+0.0000 -0.0010	5.30	8.27	-	1-1/4 x 1-1/4 x 7	1-8 UNC x 1.97	16.34
120	+0.035 +0.013	127	210	15	32 x 18 x 180	M24 x 50	415

IEC MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YC
132D	31.93	3.46	0.87
160D	33.45	4.98	0.79
180D	34.10	5.63	0.83
200D	34.49	6.02	1.18

IEC MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YC
132D	37.19	8.72	1.77
160D	39.63	11.16	2.60
180D	41.74	13.27	2.32
200D	41.78	13.31	2.36
225D	45.06	16.59	3.54
250D	45.24	16.77	2.95

Refer to page Engineering-3 for Input Flange and Shaft details.

QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS

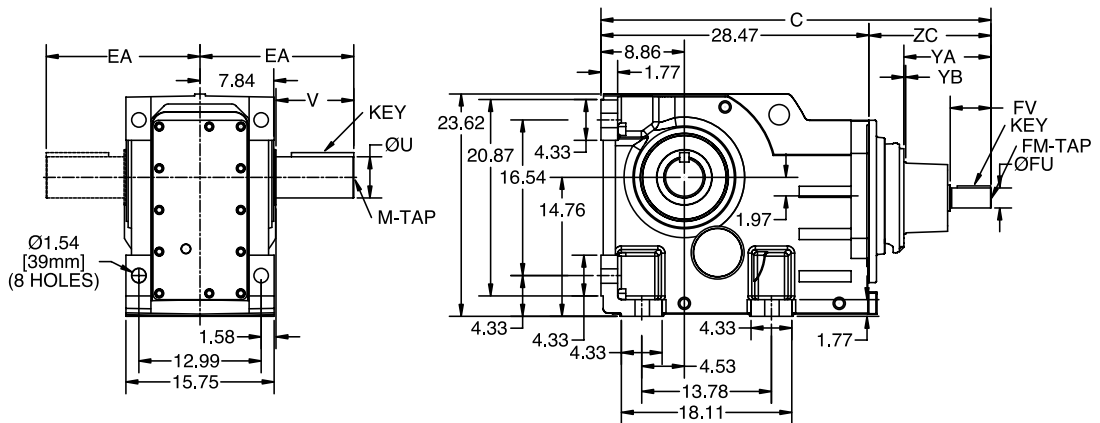
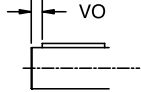


RIGHT ANGLE HELICAL BEVEL (RHB)

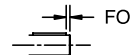
SIZE: BB168

Separate - Foot Mounted
Triple Reduction
Solid Output Shaft

METRIC OUTPUT SHAFT



METRIC INPUT SHAFT



NOMENCLATURE
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MOUNTING POSITIONS
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STOCK/NON-STOCK PART NUMBERS
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WEIGHTS
PAGE RHB-372

RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB168

Separate - Foot Mounted
Triple Reduction
Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
4.375	+0.0000 -0.0010	4.82	8.27	-	1 x 1 x 6-5/8	1-8 UNC x 1.97	16.34
110	+0.035 +0.013	116	210	15	28 x 16 x 180	M24 x 50	415

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
4.750	+0.0000 -0.0010	5.30	8.27	-	1-1/4 x 1-1/4 x 7	1-8 UNC x 1.97	16.34
120	+0.035 +0.013	127	210	15	32 x 18 x 180	M24 x 50	415

SEPARATE INPUT

Dimension - Inch/MM

	C	ZC	FO	FM x Depth	ØFU	tol.	FV	YA	YB	Key
132	37.70	9.23	---	3/8-16 UNC x 0.87	1.375	+0.0000 -0.0005	3.15	6.61	0.14	5/16 x 5/16 x 2-3/4
	958	235	5	M12 x 28	38	+0.018 +0.002	80			10 x 8 x 70
160	39.24	10.77	---	5/8-11 UNC x 1.42	1.625	+0.0000 -0.0010	4.33	8.46	0.14	3/8 x 3/8 x 3-1/2
	997	274	10	M16 x 36	42	+0.018 +0.002	110			12 x 8 x 90
180	40.16	11.69	---	3/4-10 UNC x 1.65	2.125	+0.0000 -0.0010	4.33	9.25	0.16	1/2 x 1/2 x 3-5/8
	1020	297	10	M20 x 42	55	+0.030 +0.011	110			16 x 10 x 90
225	41.25	12.78	---	3/4-10 UNC x 1.65	2.125	+0.0000 -0.0010	4.33	9.02	0.14	1/2 x 1/2 x 3-5/8
	1078	355	15	M20 x 42	60	+0.030 +0.011	140			18 x 11 x 110
250	42.41	13.94	---	3/4-10 UNC x 1.65	2.375	+0.0000 -0.0010	5.51	10.20	0.14	5/8 x 5/8 x 4-3/8
	1077	354	15	M20 x 42	65	+0.030 +0.011	140			18 x 11 x 110

Refer to page Engineering-4 for Input Shaft and Flange details.

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DIMENSIONS



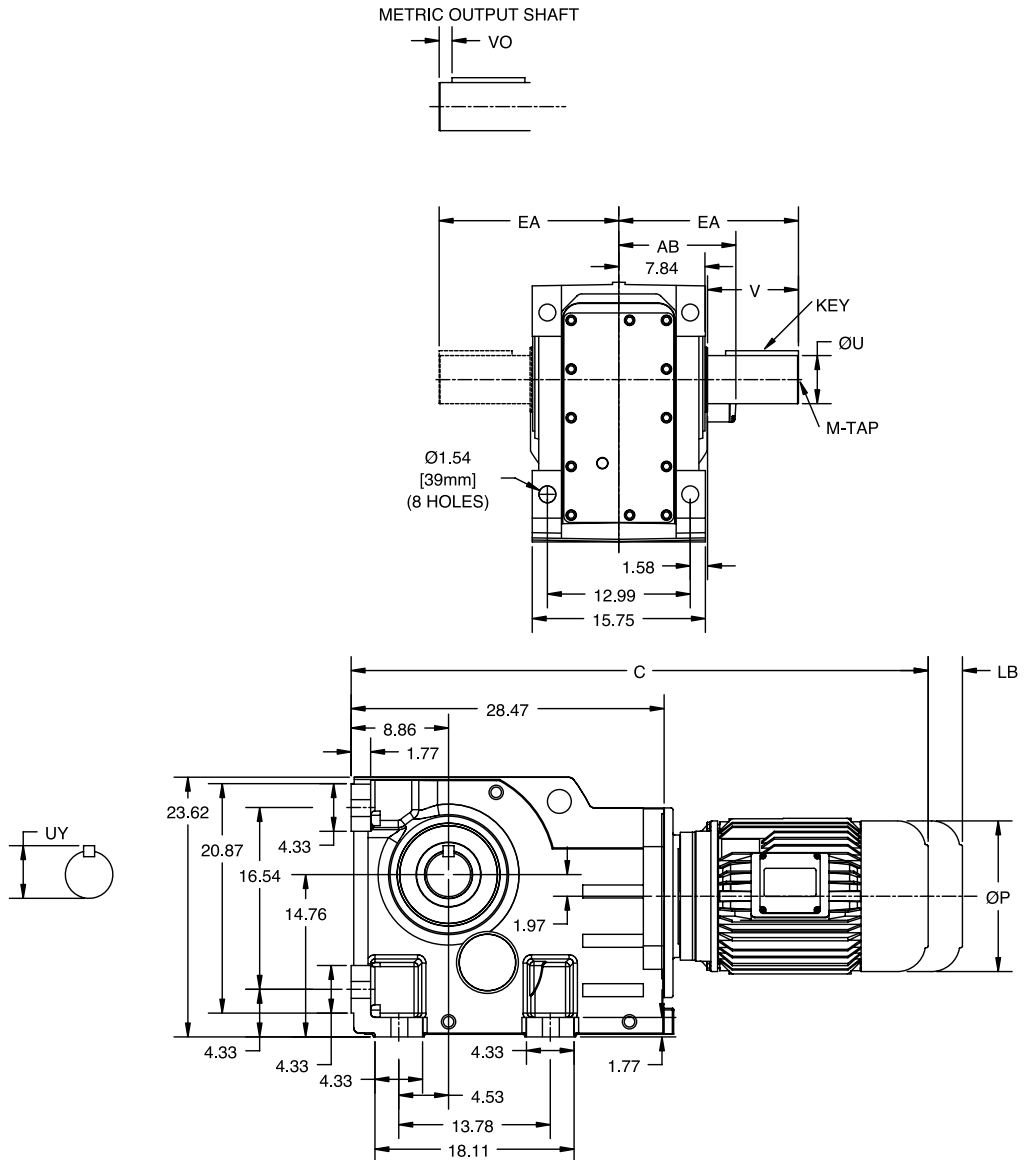
RIGHT ANGLE HELICAL BEVEL (RHB)

Integral Gearmotor - Foot Mounted

Triple Reduction

Solid Output Shaft

SIZE: BB168



NOMENCLATURE
PAGE RHB-5

MOUNTING POSITIONS
PAGE RHB-11

STOCK/NON-STOCK PART NUMBERS
PAGE RHB-50

WEIGHTS
PAGE RHB-372

DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB168

Integral Gearmotor - Foot Mounted

Triple Reduction

Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
4.375	+0.0000 -0.0010	4.82	8.27	-	1 x 1 x 6-5/8	1-8 UNC x 1.97	16.34
110	+0.035 +0.013	116	210	15	28 x 16 x 180	M24 x 50	415

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
4.750	+0.0000 -0.0010	5.30	8.27	-	1-1/4 x 1-1/4 x 7	1-8 UNC x 1.97	16.34
120	+0.035 +0.013	127	210	15	32 x 18 x 180	M24 x 50	415

MOTOR

Dimension - Inch/MM

Frame	C	LB	P	AB
132M4	44.27	3.9	10.28	8.09
	1125	99	262	206
132N4	45.77	3.9	10.28	8.09
	1163	99	262	206

QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

NOMENCLATURE
PAGE RHB-5

MOUNTING POSITIONS
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STOCK/NON-STOCK PART NUMBERS
PAGE RHB-50

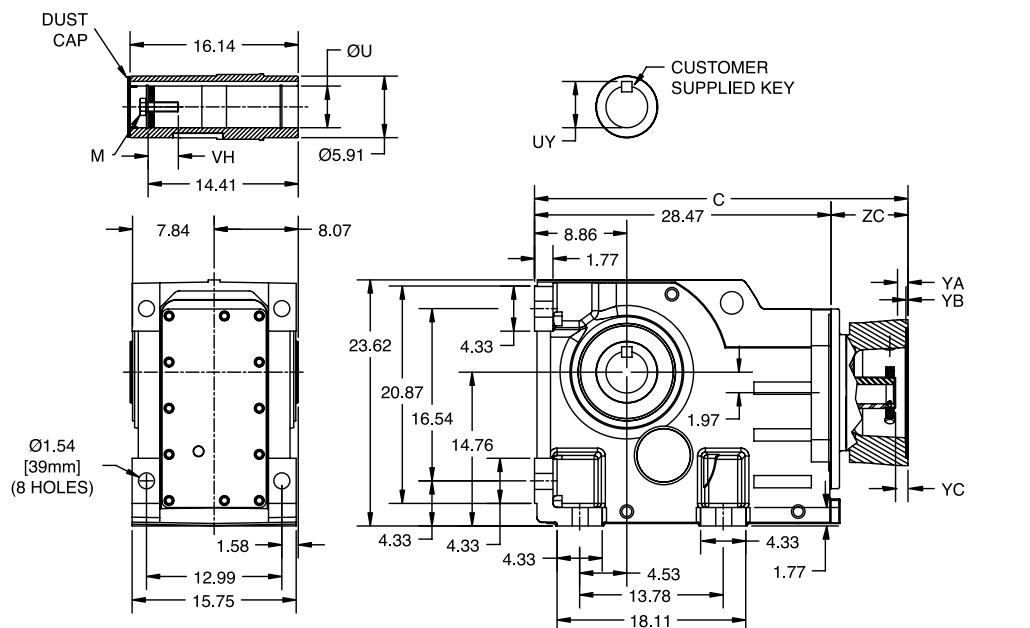
WEIGHTS
PAGE RHB-372

DIMENSIONS

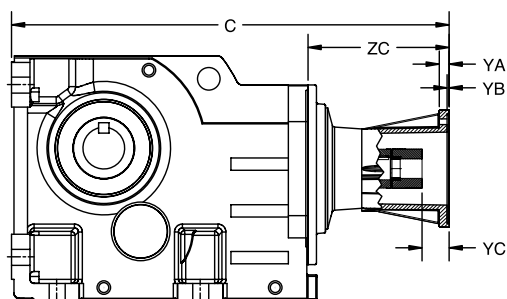


RIGHT ANGLE HELICAL BEVEL (RHB)
NEMA C-Face - Foot Mounted - Clamp Collar / 3 Piece Coupled
Triple Reduction
Straight Hollow Bore Output Shaft

SIZE: BB168



CLAMP COLLAR



THREE-PIECE COUPLED

NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB) NEMA C-Face - Foot Mounted - Clamp Collar / 3 Piece Coupled Triple Reduction Straight Hollow Bore Output Shaft

SIZE: BB168

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
4.000	+0.0014 +0.0005	4.45	2.29	1 x 1 x 5-7/8	1-8 x 2-1/2 UNC
100	+0.034 +0.012	106	77	28 x 16 x 160	M24 x 95

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
3.9375	+0.0014 +0.0005	4.39	2.13	1 x 1 x 6	1-8 x 2-1/2 UNC
110	+0.034 +0.012	116	78	28 x 16 x 160	M24 x 100

NEMA MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YA	YB	YC
210TC	33.59	5.12	0.69	0.22	0.89
250TC	33.34	4.87	0.94	.020	1.13
280TC	34.26	5.79	0.94	0.20	1.30
320TC	35.87	7.40	1.00	0.20	1.19
360TC	37.58	9.11	1.02	0.20	1.48

NEMA MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YA	YB	YC
210TC	37.43	8.96	0.87	0.22	2.01
250TC	39.20	10.73	0.94	0.20	2.17
280TC	42.01	13.54	0.94	0.20	2.57
320TC	44.51	16.04	1.02	0.20	2.99
360TC	45.56	17.09	1.02	0.20	3.27

Refer to page Engineering-2 for Input Flange and Shaft details.
Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.
Refer to page RHB-357 for Twin Tapered Bushing details.

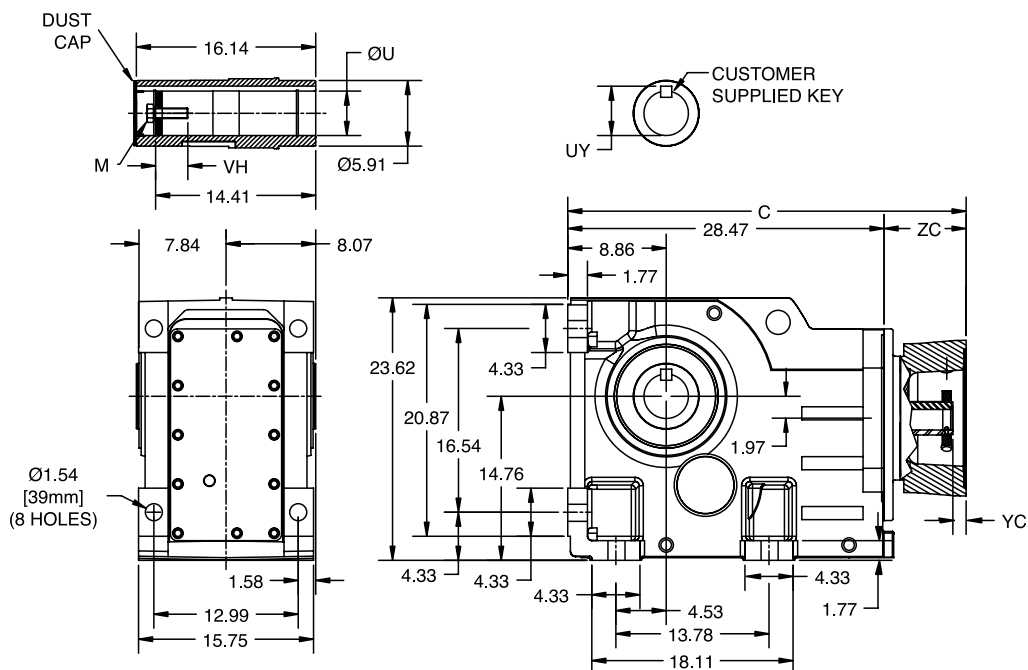
NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS

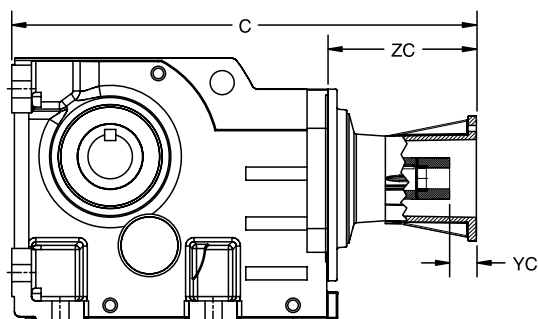


RIGHT ANGLE HELICAL BEVEL (RHB)
IEC D Flange (B5 Input) - Foot Mounted - Clamp Collar / 3 Piece Coupled
Triple Reduction
Straight Hollow Bore Output Shaft

SIZE: BB168



CLAMP COLLAR



THREE-PIECE COUPLED

NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB168

IEC D Flange (B5 Input) - Foot Mounted - Clamp Collar / 3 Piece Coupled

Triple Reduction

Straight Hollow Bore Output Shaft

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
4.000	+0.0014 +0.0005	4.45	2.29	1 x 1 x 5-7/8	1-8 x 2-1/2 UNC
100	+0.034 +0.012	106	77	28 x 16 x 160	M24 x 95

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
3.9375	+0.0014 +0.0005	4.39	2.13	1 x 1 x 6	1-8 x 2-1/2 UNC
110	+0.034 +0.012	116	78	28 x 16 x 160	M24 x 100

IEC MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YA	YB	YC
132D	31.93	3.46	0.75	0.20	0.87
160D	33.45	4.98	0.98	0.24	0.79
180D	34.10	5.63	0.61	0.24	0.83
200D	34.49	6.02	0.98	0.24	1.18

IEC MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YA	YB	YC
132D	37.19	8.72	0.75	0.20	1.77
160D	39.63	11.16	0.75	0.24	2.60
180D	41.74	13.27	0.98	0.24	2.32
200D	41.78	13.31	0.98	0.24	2.36
225D	45.06	16.59	1.06	0.24	3.54
250D	45.24	16.77	1.06	0.24	2.95

Refer to page Engineering-3 for Input Flange and Shaft details.

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-357 for Twin Tapered Bushing details.

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RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB168

Separate - Foot Mounted

Triple Reduction

Straight Hollow Bore Output Shaft

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
4.000	+0.0014 +0.0005	4.45	2.29	1 x 1 x 5-7/8	1-8 x 2-1/2 UNC
100	+0.034 +0.012	106	77	28 x 16 x 160	M24 x 95

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
3.9375	+0.0014 +0.0005	4.39	2.13	1 x 1 x 6	1-8 x 2-1/2 UNC
110	+0.034 +0.012	116	78	28 x 16 x 160	M24 x 100

SEPARATE INPUT

Dimension - Inch/MM

	C	ZC	FO	FM x Depth	ØFU	tol.	FV	YA	YB	Key
132	37.70	9.23	---	3/8-16 UNC x 0.87	1.375	+0.0000 -0.0005	3.15	6.61	0.14	5/16 x 5/16 x 2-3/4
	958	235	5	M12 x 28	38	+0.018 +0.002	80			10 x 8 x 70
160	39.24	10.77	---	5/8-11 UNC x 1.42	1.625	+0.0000 -0.0010	4.33	8.46	0.14	3/8 x 3/8 x 3-1/2
	997	274	10	M16 x 36	42	+0.018 +0.002	110			12 x 8 x 90
180	40.16	11.69	---	3/4-10 UNC x 1.65	2.125	+0.0000 -0.0010	4.33	9.25	0.16	1/2 x 1/2 x 3-5/8
	1020	297	10	M20 x 42	55	+0.030 +0.011	110			16 x 10 x 90
225	41.25	12.78	---	3/4-10 UNC x 1.65	2.125	+0.0000 -0.0010	4.33	9.02	0.14	1/2 x 1/2 x 3-5/8
	1078	355	15	M20 x 42	60	+0.030 +0.011	140			18 x 11 x 110
250	42.41	13.94	---	3/4-10 UNC x 1.65	2.375	+0.0000 -0.0010	5.51	10.20	0.14	5/8 x 5/8 x 4-3/8
	1077	354	15	M20 x 42	65	+0.030 +0.011	140			18 x 11 x 110

Refer to page Engineering-4 for Input Flange and Shaft details.

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-357 for Twin Tapered Bushing details.

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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BB168

Integral Gearmotor - Foot Mounted

Triple Reduction

Straight Hollow Bore Output Shaft

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
4.000	+0.0014 +0.0005	4.45	2.29	1 x 1 x 5-7/8	1-8 x 2-1/2 UNC
100	+0.034 +0.012	106	77	28 x 16 x 160	M24 x 95

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
3.9375	+0.0014 +0.0005	4.39	2.13	1 x 1 x 6	1-8 x 2-1/2 UNC
110	+0.034 +0.012	116	78	28 x 16 x 160	M24 x 100

MOTOR

Dimension - Inch/MM

Frame	C	LB	P	AB
132M4	44.27 1125	3.9 99	10.28 262	8.09 206
132N4	45.77 1163	3.9 99	10.28 262	8.09 206

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-357 for Twin Tapered Bushing details.

QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

NOMENCLATURE
PAGE RHB-5

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DIMENSIONS



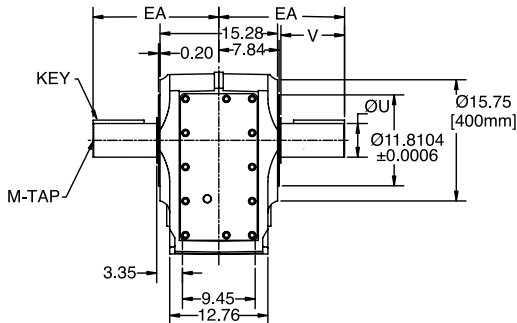
RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF168

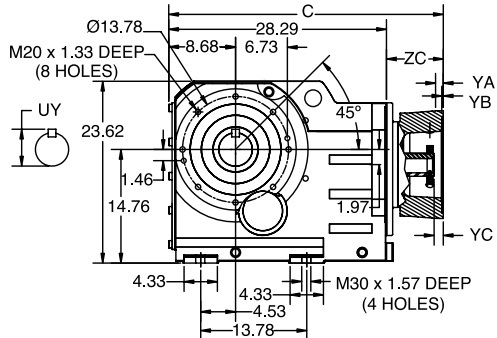
NEMA C-Face - Flange Mounted (B5 / B14) - Clamp Collar - 3 Piece Coupled

Triple Reduction

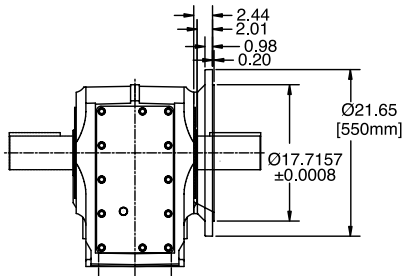
Solid Output Shaft



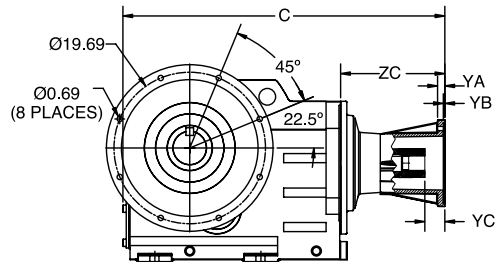
B14 OUTPUT FLANGE -
Ø400mm



CLAMP COLLAR

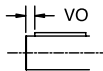


B5 OUTPUT FLANGE -
Ø550mm



THREE-PIECE COUPLED

METRIC OUTPUT SHAFT



NOMENCLATURE
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MOUNTING POSITIONS
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WEIGHTS
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RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF168

NEMA C-Face - Flange Mounted (B5 / B14) - Clamp Collar - 3 Piece Coupled

Triple Reduction

Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
4.375	+0.0000 -0.0010	4.82	8.27	-	1 x 1 x 6-5/8	1-8 UNC - 1.97	16.34
110	+0.035 +0.013	116	210	15	28 x 16 x 180	M24	415

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
4.75	+0.0000 -0.0010	5.30	8.27	-	1-1/4 x 1-1/4 x 7	1-8 UNC - 1.97	16.34
120	+0.035 +0.013	127	210	15	32 x 18 x 180	M24	415

NEMA MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YA	YB	YC
210TC	33.41	5.12	0.69	0.22	0.89
250TC	33.16	4.87	0.94	.020	1.13
280TC	34.08	5.79	0.94	0.20	1.30
320TC	35.69	7.40	1.00	0.20	1.19
360TC	37.40	9.11	1.02	0.20	1.48

NEMA MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YA	YB	YC
210TC	37.25	8.96	0.87	0.22	2.01
250TC	39.02	10.73	0.94	0.20	2.17
280TC	41.83	13.54	0.94	0.20	2.57
320TC	44.33	16.04	1.02	0.20	2.99
360TC	45.38	17.09	1.02	0.20	3.27

Refer to page Engineering-2 for Input Flange and Shaft details.

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DIMENSIONS



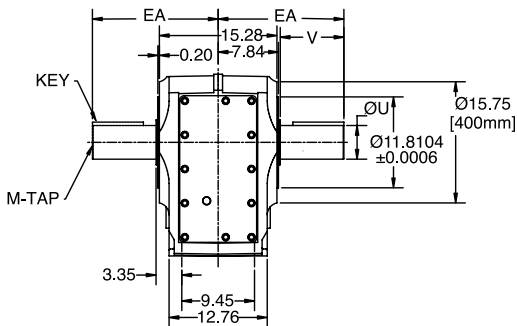
RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF168

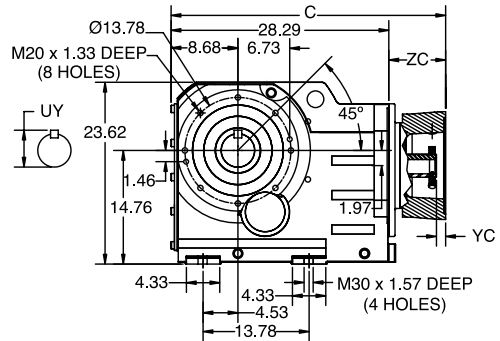
IEC D Flange (B5 Input) - Flange Mounted (B5 / B14) - Clamp Collar - 3 Piece Coupled

Triple Reduction

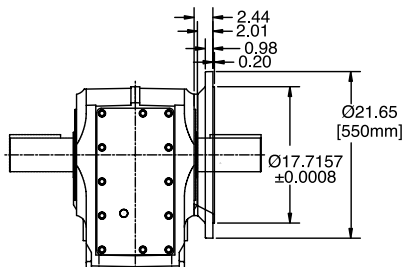
Solid Output Shaft



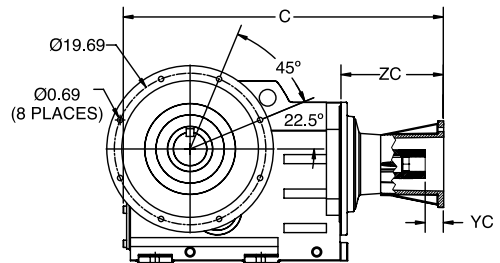
**B14 OUTPUT FLANGE -
Ø400mm**



CLAMP COLLAR

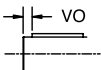


**B5 OUTPUT FLANGE -
Ø550mm**



THREE-PIECE COUPLED

METRIC OUTPUT SHAFT



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PAGE RHB-372

DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF168

IEC D Flange (B5 Input) - Flange Mounted (B5 / B14) - Clamp Collar - 3 Piece Coupled

Triple Reduction

Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
4.375	+0.0000 -0.0010	4.82	8.27	-	1 x 1 x 6-5/8	1-8 UNC - 1.97	16.34
110	+0.035 +0.013	116	210	15	28 x 16 x 180	M24	415

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
4.75	+0.0000 -0.0010	5.30	8.27	-	1-1/4 x 1-1/4 x 7	1-8 UNC - 1.97	16.34
120	+0.035 +0.013	127	210	15	32 x 18 x 180	M24	415

IEC MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YC
132D	31.75	3.46	0.87
160D	33.27	4.98	0.79
180D	33.92	5.63	0.83
200D	34.31	6.02	1.18

IEC MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YC
132D	37.01	8.72	1.77
160D	39.45	11.16	2.60
180D	41.56	13.27	2.32
200D	41.60	13.31	2.36
225D	44.88	16.59	3.54
250D	45.06	16.77	2.95

Refer to page Engineering-3 for Input Flange and Shaft details.

NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS



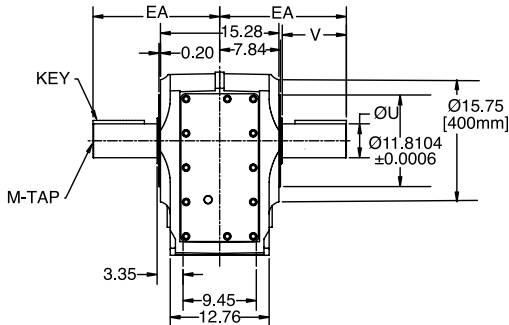
RIGHT ANGLE HELICAL BEVEL (RHB)

Separate - Flange Mounted (B5 / B14)

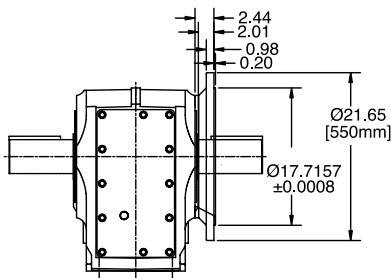
Triple Reduction

Solid Output Shaft

SIZE: BF168

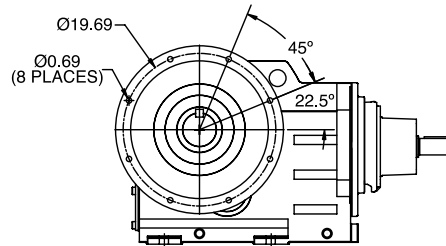
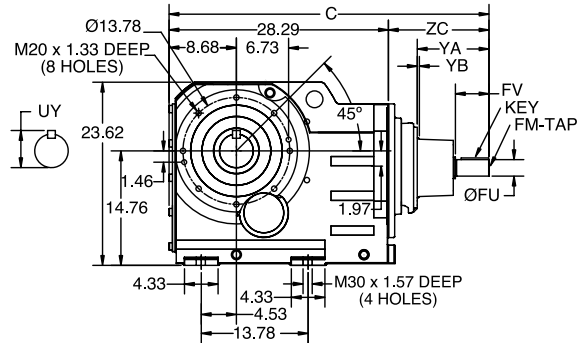
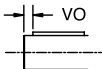


**B14 OUTPUT FLANGE -
Ø400mm**



**B5 OUTPUT FLANGE -
Ø550mm**

METRIC OUTPUT SHAFT



METRIC INPUT SHAFT



NOMENCLATURE
PAGE RHB-5

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PAGE RHB-372

RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF168

Separate - Flange Mounted (B5 / B14)

Triple Reduction

Solid Output Shaft

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
4.375	+0.0000 -0.0010	4.82	8.27	-	1 x 1 x 6-5/8	1-8 UNC - 1.97	16.34
110	+0.035 +0.013	116	210	15	28 x 16 x 180	M24	415

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
4.75	+0.0000 -0.0010	5.30	8.27	-	1-1/4 x 1-1/4 x 7	1-8 UNC - 1.97	16.34
120	+0.035 +0.013	127	210	15	32 x 18 x 180	M24	415

SEPARATE INPUT

Dimension - Inch/MM

	C	ZC	FO	FM x Depth	ØFU	tol.	FV	YA	YB	Key
132	37.52	9.23	---	3/8-16 UNC x 0.87	1.375	+0.0000 -0.0005	3.15	6.61	0.14	5/16 x 5/16 x 2-3/4
	953	235	5	M12 x 28	38	+0.018 +0.002	80			10 x 8 x 70
160	39.06	10.77	---	5/8-11 UNC x 1.42	1.625	+0.0000 -0.0010	4.33	8.46	0.14	3/8 x 3/8 x 3-1/2
	992	274	10	M16 x 36	42	+0.018 +0.002	110			12 x 8 x 90
180	39.98	11.69	---	3/4-10 UNC x 1.65	2.125	+0.0000 -0.0010	4.33	9.25	0.16	1/2 x 1/2 x 3-5/8
	1016	297	10	M20 x 42	55	+0.030 +0.011	110			16 x 10 x 90
225	41.07	12.78	---	3/4-10 UNC x 1.65	2.125	+0.0000 -0.0010	4.33	9.02	0.14	1/2 x 1/2 x 3-5/8
	1073	355	15	M20 x 42	60	+0.030 +0.011	140			18 x 11 x 110
250	42.23	13.94	---	3/4-10 UNC x 1.65	2.375	+0.0000 -0.0010	5.51	10.20	0.14	5/8 x 5/8 x 4-3/8
	1073	354	15	M20 x 42	65	+0.030 +0.011	140			18 x 11 x 110

Refer to page Engineering-4 for Input Flange and Shaft details.

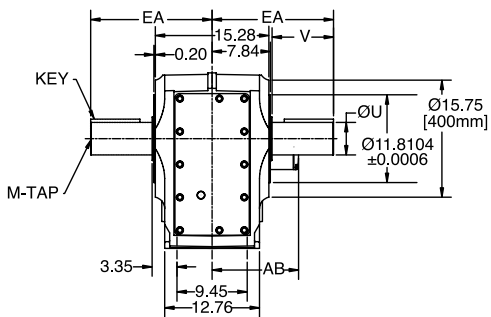
NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS

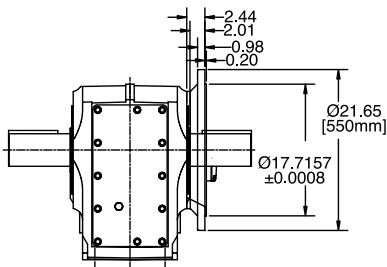
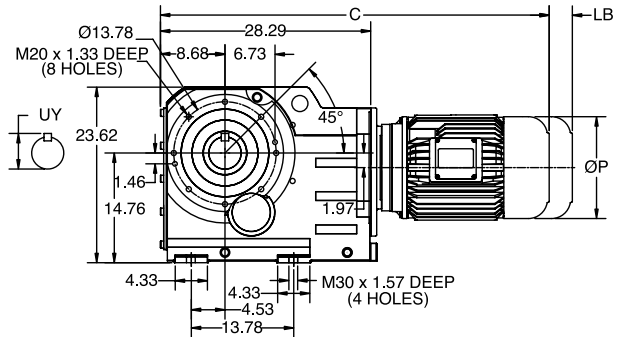


RIGHT ANGLE HELICAL BEVEL (RHB) Integral Gearmotor - Flange Mounted (B5 / B14) Triple Reduction Solid Output Shaft

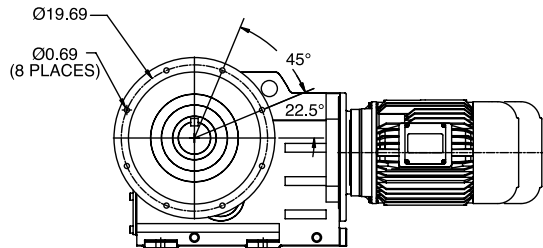
SIZE: BF168



**B14 OUTPUT FLANGE -
Ø400mm**



**B5 OUTPUT FLANGE -
Ø550mm**



METRIC OUTPUT SHAFT



NOMENCLATURE
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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB) Integral Gearmotor - Flange Mounted (B5 / B14) Triple Reduction Solid Output Shaft

SIZE: BF168

STANDARD SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
4.375	+0.0000 -0.0010	4.82	8.27	-	1 x 1 x 6-5/8	1-8 UNC - 1.97	16.34
110	+0.035 +0.013	116	210	15	28 x 16 x 180	M24	415

OPTIONAL SOLID OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH	EA
4.75	+0.0000 -0.0010	5.30	8.27	-	1-1/4 x 1-1/4 x 7	1-8 UNC - 1.97	16.34
120	+0.035 +0.013	127	210	15	32 x 18 x 180	M24	415

MOTOR

Dimension - Inch/MM

Frame	C	LB	P	AB
132M4	44.09	3.9	10.28	8.09
	1120	99	262	206
132N4	45.59	3.9	10.28	8.09
	1158	99	262	206

DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF168

NEMA C-Face - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled

Triple Reduction

Straight Hollow Bore Output Shaft

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
4.000	+0.0014 +0.0005	4.45	2.29	1 x 1 x 5-7/8	1-8 x 2-1/2 UNC
100	+0.034 +0.012	106	77	28 x 16 x 160	M24 x 95

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
3.9375	+0.0014 +0.0005	4.39	2.13	1 x 1 x 6	1-8 x 2-1/2 UNC
110	+0.034 +0.012	116	78	28 x 16 x 160	M24 x 100

NEMA MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YA	YB	YC
210TC	33.41	5.12	0.69	0.22	0.89
250TC	33.16	4.87	0.94	.020	1.13
280TC	34.08	5.79	0.94	0.20	1.30
320TC	35.69	7.40	1.00	0.20	1.19
360TC	37.40	9.11	1.02	0.20	1.48

NEMA MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YA	YB	YC
210TC	37.25	8.96	0.87	0.22	2.01
250TC	39.02	10.73	0.94	0.20	2.17
280TC	41.83	13.54	0.94	0.20	2.57
320TC	44.33	16.04	1.02	0.20	2.99
360TC	45.38	17.09	1.02	0.20	3.27

Refer to page Engineering-2 for Input Flange and Shaft details.

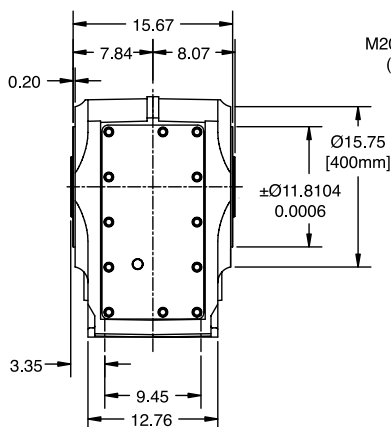
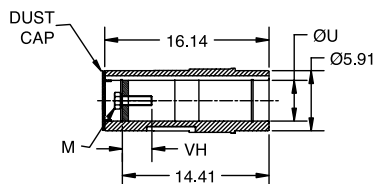
Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-357 for Twin Tapered Bushing details.

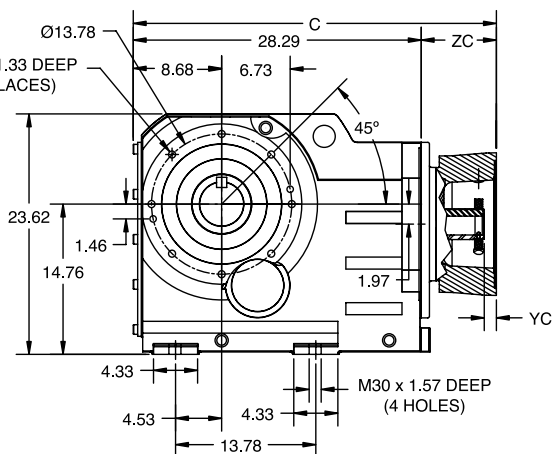
NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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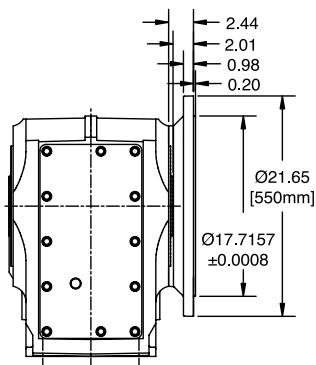
SIZE: BF168



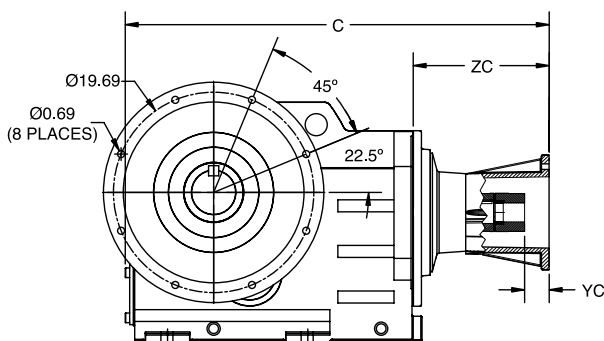
**B14 OUTPUT FLANGE -
Ø400mm**



CLAMP COLLAR



**B5 OUTPUT FLANGE -
Ø550mm**



THREE-PIECE COUPLED

NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF168

IEC D Flange (B5 Input) - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled

Triple Reduction

Straight Hollow Bore Output Shaft

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
4.000	+0.0014 +0.0005	4.45	2.29	1 x 1 x 5-7/8	1-8 x 2-1/2 UNC
100	+0.034 +0.012	106	77	28 x 16 x 160	M24 x 95

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
3.9375	+0.0014 +0.0005	4.39	2.13	1 x 1 x 6	1-8 x 2-1/2 UNC
110	+0.034 +0.012	116	78	28 x 16 x 160	M24 x 100

IEC MOTOR ADAPTER - CLAMP COLLAR

Dimension - Inch

	C	ZC	YC
132D	31.75	3.46	0.87
160D	33.27	4.98	0.79
180D	33.92	5.63	0.83
200D	34.31	6.02	1.18

IEC MOTOR ADAPTER - 3 PIECE COUPLED

Dimension - Inch

	C	ZC	YC
132D	37.01	8.72	1.77
160D	39.45	11.16	2.60
180D	41.56	13.27	2.32
200D	41.60	13.31	2.36
225D	44.88	16.59	3.54
250D	45.06	16.77	2.95

Refer to page Engineering-3 for Input Flange and Shaft details.

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-357 for Twin Tapered Bushing details.

NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS



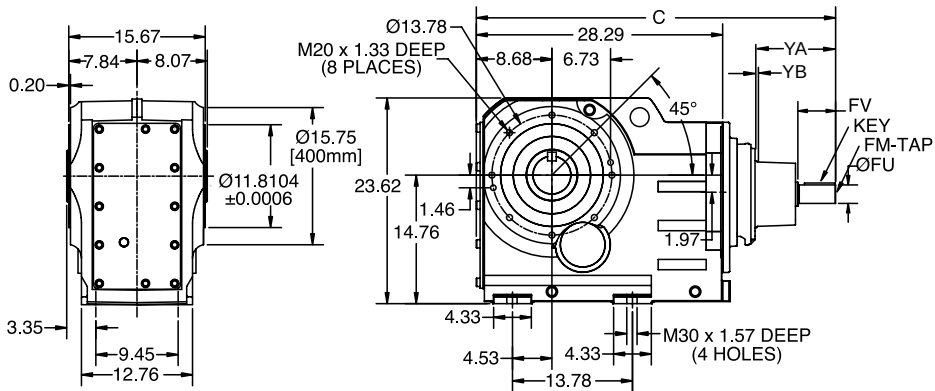
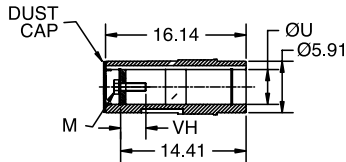
RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF168

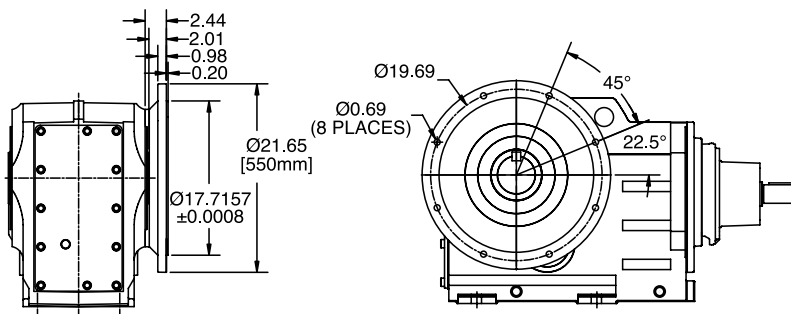
Separate - Flange Mounted (B5 / B14)

Triple Reduction

Straight Hollow Bore Output Shaft



**B14 OUTPUT FLANGE -
Ø400mm**



**B5 OUTPUT FLANGE -
Ø550mm**

METRIC INPUT SHAFT



NOMENCLATURE
PAGE RHB-5

MOUNTING POSITIONS
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RIGHT ANGLE HELICAL BEVEL (RHB)

SIZE: BF168

Separate - Flange Mounted (B5 / B14)

Triple Reduction

Straight Hollow Bore Output Shaft

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
4.000	+0.0014 +0.0005	4.45	2.29	1 x 1 x 5-7/8	1-8 x 2-1/2 UNC
100	+0.034 +0.012	106	77	28 x 16 x 160	M24 x 95

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY	M
3.9375	+0.0014 +0.0005	4.39	2.13	1 x 1 x 6	1-8 x 2-1/2 UNC
110	+0.034 +0.012	116	78	28 x 16 x 160	M24 x 100

SEPARATE INPUT

Dimension - Inch/MM

	C	ZC	FO	FM x Depth	ØFU	tol.	FV	YA	YB	Key
132	37.52	9.23	---	3/8-16 UNC x 0.87	1.375	+0.0000 -0.0005	3.15	6.61	0.14	5/16 x 5/16 x 2-3/4
	953	235	5	M12 x 28	38	+0.018 +0.002	80			10 x 8 x 70
160	39.06	10.77	---	5/8-11 UNC x 1.42	1.625	+0.0000 -0.0010	4.33	8.46	0.14	3/8 x 3/8 x 3-1/2
	992	274	10	M16 x 36	42	+0.018 +0.002	110			12 x 8 x 90
180	39.98	11.69	---	3/4-10 UNC x 1.65	2.125	+0.0000 -0.0010	4.33	9.25	0.16	1/2 x 1/2 x 3-5/8
	1016	297	10	M20 x 42	55	+0.030 +0.011	110			16 x 10 x 90
225	41.07	12.78	---	3/4-10 UNC x 1.65	2.125	+0.0000 -0.0010	4.33	9.02	0.14	1/2 x 1/2 x 3-5/8
	1073	355	15	M20 x 42	60	+0.030 +0.011	140			18 x 11 x 110
250	42.23	13.94	---	3/4-10 UNC x 1.65	2.375	+0.0000 -0.0010	5.51	10.20	0.14	5/8 x 5/8 x 4-3/8
	1073	354	15	M20 x 42	65	+0.030 +0.011	140			18 x 11 x 110

Refer to page Engineering-4 for Input Flange and Shaft details.

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.

Refer to page RHB-357 for Twin Tapered Bushing details.

NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS

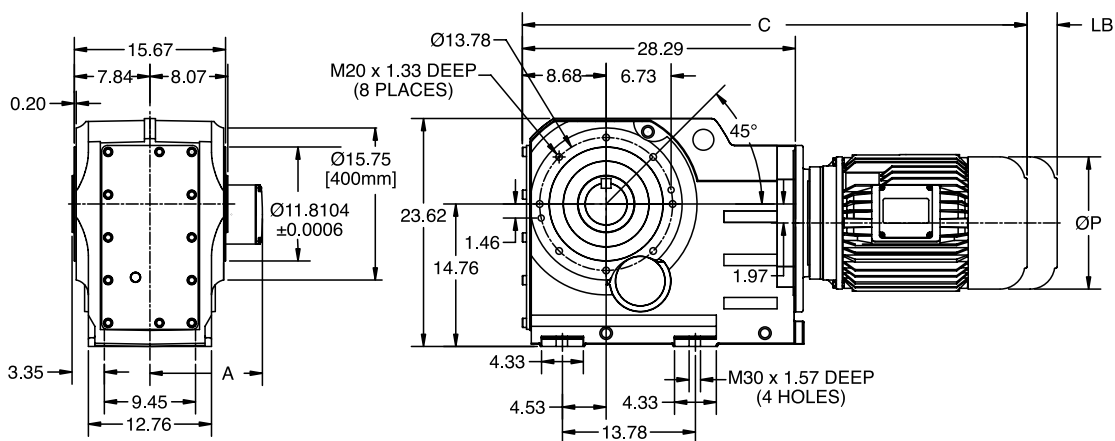
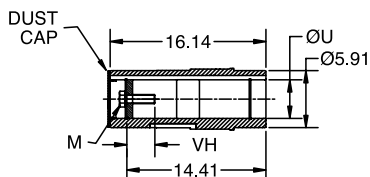


RIGHT ANGLE HELICAL BEVEL (RHB) Integral Gearmotor- Flange Mounted (B5 / B14)

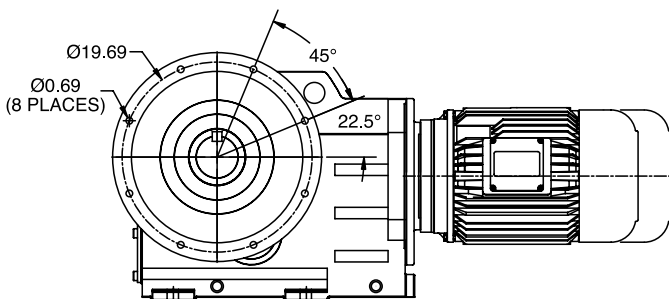
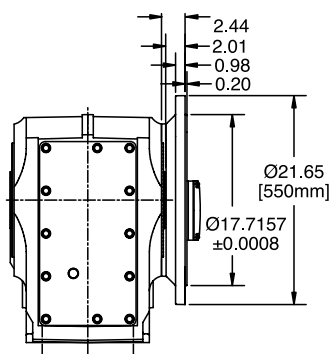
SIZE: BF168

Triple Reduction

Straight Hollow Bore Output Shaft



**B14 OUTPUT FLANGE -
Ø400mm**



**B5 OUTPUT FLANGE -
Ø550mm**

NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB) Integral Gearmotor- Flange Mounted (B5 / B14) Triple Reduction Straight Hollow Bore Output Shaft

SIZE: BF168

STANDARD HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY (H)	M-TAP x DEPTH
4.000	+0.0014 +0.0005	4.44	2.29	1 x 1 x 5-7/8	1-8 x 2-1/2 UNC
100	+0.034 +0.012	106	77	28 x 16 x 160	M24 x 95

OPTIONAL HOLLOW OUTPUT SHAFT

Dimension - Inch/MM

ØU	tol.	UY	VH	KEY (H)	M-TAP x DEPTH
3.9375	+0.0014 +0.0005	4.39	2.13	1 x 1 x 6	1-8 x 2-1/2 UNC
110	+0.034 +0.012	116	78	28 x 16 x 160	M24 x 100

MOTOR

Dimension - Inch/MM

Frame	C	LB	P	AB
132M4	44.09	3.9	10.28	8.09
	1120	99	262	206
132N4	45.59	3.9	10.28	8.09
	1158	99	262	206

Refer to page Engineering-8 and Engineering-9 for driven shaft dimensions.
Refer to page RHB-357 for Twin Tapered Bushing details.

QUANTIS

QUANTIS GOLD

ILH

RHB

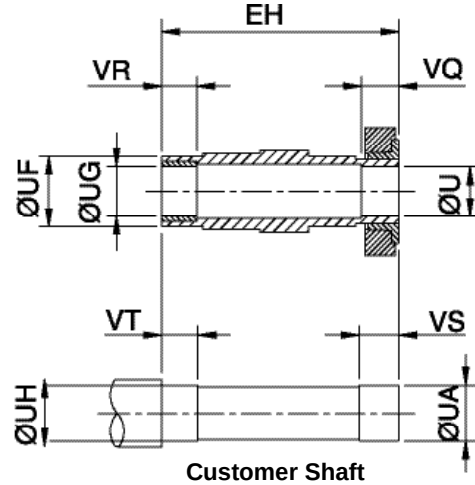
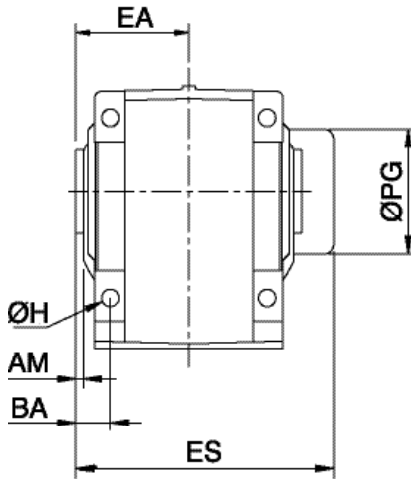
MSM

NOMENCLATURE PAGE RHB-5	MOUNTING POSITIONS PAGE RHB-11	STOCK/NON-STOCK PART NUMBERS PAGE RHB-50	WEIGHTS PAGE RHB-372
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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB) Shrink Disk - Foot Mounted



Dimension - Inch/MM

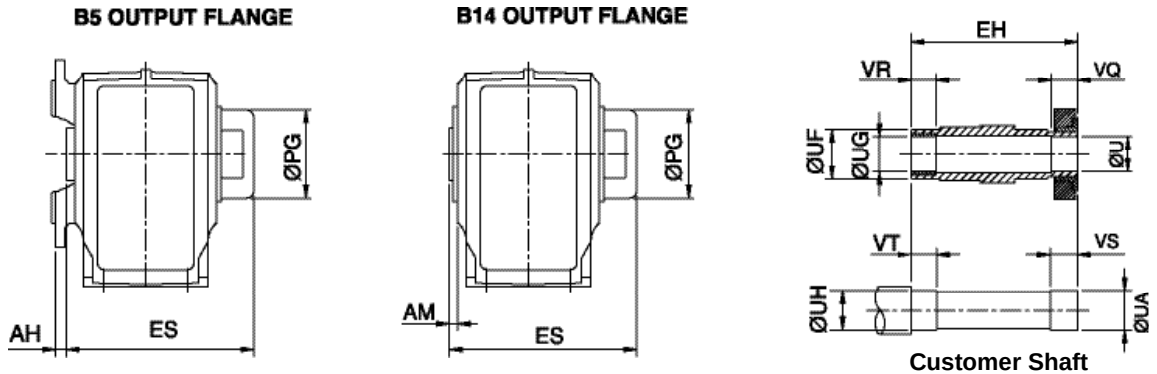
UNIT SIZE	AM	BA	ES	ØH	ØPG	EH	ØU	tol.	ØUA	tol.	ØUF	ØUG	tol.	ØUH	tol.	VQ	VR	VS	VT
BB38	0.24	0.39	6.06	0.43	3.03	5.75	---	---	---	---	1.77	---	---	---	---	0.87	0.79	1.06	0.98
	6	10	154	11	77	146	30	+0.021 -0.000	30	+0.000 -0.013	45	30	+0.021 -0.000	30	+0.000 -0.013	22	20	27	25
BB48	0.28	0.59	7.24	0.43	3.66	6.97	---	---	---	---	2.17	---	---	---	---	0.98	0.79	1.18	0.98
	7	15	184	11	93	177	40	+0.025 0.000	40	+0.000 -0.016	55	40	+0.025 -0.000	40	+0.000 -0.016	25	20	30	25
BB68	0.30	0.79	8.5	0.53	4.41	8.23	---	---	---	---	2.56	---	---	---	---	1.06	0.79	1.26	0.98
	7.5	20	216	13.5	112	209	50	+0.025 -0.000	50	+0.000 -0.016	65	50	+0.025 -0.000	50	+0.000 -0.016	27	20	32	25
BB88	0.33	0.89	9.8	0.71	5.2	9.49	---	---	---	---	3.15	---	---	---	---	1.14	1.18	1.34	1.38
	8.5	22.5	249	18	132	241	60	+0.030 -0.000	60	+0.000 -0.019	80	60	+0.030 -0.000	60	+0.000 -0.019	29	30	34	35
BB108	0.35	1.18	11.34	0.94	5.67	11.02	---	---	---	---	3.74	---	---	---	---	1.18	1.57	1.38	1.77
	9	30	288	24	144	280	70	+0.030 -0.000	70	+0.000 -0.019	95	70	+0.030 -0.000	70	+0.000 -0.019	30	40	35	45
BB128	0.35	1.18	14.06	1.02	7.09	13.58	---	---	---	---	4.33	---	---	---	---	1.57	1.97	1.77	2.17
	9	30	357	26	180	345	80	+0.030 -0.000	80	+0.000 -0.019	110	80	+0.030 -0.000	80	+0.000 -0.019	40	50	45	55
BB148	0.43	1.57	16.46	1.3	8.27	15.91	---	---	---	---	4.72	---	---	---	---	1.93	2.36	2.13	2.56
	11	40	418	33	210	404	95	+0.035 -0.000	95	+0.000 -0.022	120	95	+0.035 -0.000	95	+0.000 -0.022	49	60	54	65
BB168	0.43	1.57	19.53	1.54	9.33	19.02	---	---	---	---	5.91	---	---	---	---	2.13	2.76	2.32	2.95
	11	40	496	39	237	483	105	+0.035 -0.000	105	+0.000 -0.022	150	105	+0.035 -0.000	105	+0.000 -0.022	54	70	59	75

NOMENCLATURE
PAGE RHB-5MOUNTING POSITIONS
PAGE RHB-11STOCK/NON-STOCK PART NUMBERS
PAGE RHB-50WEIGHTS
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DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB) Shrink Disk - Flange Mounted / Shaft Mounted



Dimension - Inch/MM

UNIT SIZE	AM	AH	ES	ØPG	EH	ØU	tol.	ØUA	tol.	ØUF	ØUG	tol.	ØUH	tol.	VQ	VR	VS	VT
BF38	0.24	0.94	6.06	3.03	5.75	---	---	---	---	1.77	---	---	---	---	0.87	0.79	1.06	0.98
	6	24	154	77	146	30	+0.021 -0.000	30	+0.000 -0.013	45	30	+0.021 -0.000	30	+0.000 -0.013	22	20	27	25
BF48	0.28	0.98	7.24	3.66	6.97	---	---	---	---	2.17	---	---	---	---	0.98	0.79	1.18	0.98
	7	25	184	93	177	40	+0.025 -0.000	40	+0.000 -0.016	55	40	+0.025 -0.000	40	+0.000 -0.016	25	20	30	25
BF68	0.30	0.91	8.50	4.41	8.23	---	---	---	---	2.56	---	---	---	---	1.06	0.79	1.26	0.98
	7.5	23	216	112	209	50	+0.025 -0.000	50	+0.000 -0.016	65	50	+0.025 -0.000	50	+0.000 -0.016	27	20	32	25
BF88	0.33	1.46	9.80	5.2	9.49	---	---	---	---	3.15	---	---	---	---	1.14	1.18	1.34	1.38
	8.5	37	249	132	241	60	+0.030 -0.000	60	+0.000 -0.019	80	60	+0.030 -0.000	60	+0.000 -0.019	29	30	34	35
BF108	0.35	1.42	11.34	5.67	11.02	---	---	---	---	3.74	---	---	---	---	1.18	1.57	1.38	1.77
	9	36	288	144	280	70	+0.030 -0.000	70	+0.000 -0.019	95	70	+0.030 -0.000	70	+0.000 -0.019	30	40	35	45
BF128	0.35	1.65	14.06	7.09	13.58	---	---	---	---	4.33	---	---	---	---	1.57	1.97	1.77	2.17
	9	42	357	180	345	80	+0.030 -0.000	80	+0.000 -0.019	110	80	+0.030 -0.000	80	+0.000 -0.019	40	50	45	55
BF148	0.43	1.61	16.46	8.27	15.91	---	---	---	---	4.72	---	---	---	---	1.93	2.36	2.13	2.56
	11	41	418	210	404	95	+0.035 -0.000	95	+0.000 -0.022	120	95	+0.035 -0.000	95	+0.000 -0.022	49	60	54	65
BF168	0.43	2.01	19.53	9.33	19.02	---	---	---	---	5.91	---	---	---	---	2.13	2.76	2.32	2.95
	11	51	496	237	483	105	+0.035 -0.000	105	+0.000 -0.022	150	105	+0.035 -0.000	105	+0.000 -0.022	54	70	59	75

NOMENCLATURE
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STOCK/NON-STOCK PART NUMBERS
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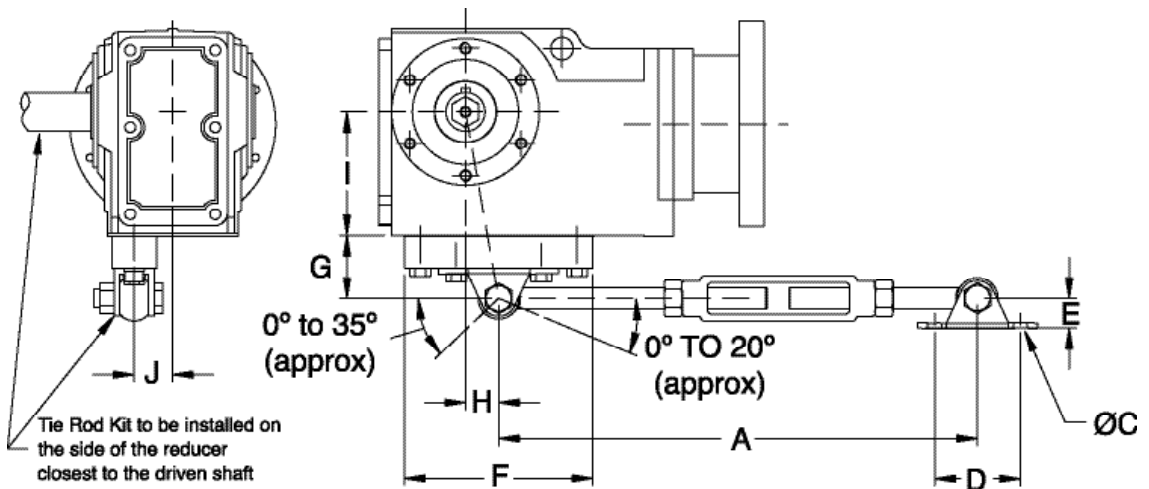
DIMENSIONS



RIGHT ANGLE HELICAL BEVEL (RHB) Tie Rod Kit (KR) - BF Style Housing Only

Tie Rod Kits are available for restraining hollow shaft reducers with the flanged housing. Each kit includes the mounting block, tie rods, turnbuckle, fulcrum, and the mounting hardware.

Note: Tie rods should be used in tension, not compression, to achieve the rated performance.



Dimension - Inch

Size	Part Number	A (min-max)	ØC	D	E	F	G	H	I	J
BF38	094371	27.00 - 33.00	0.45	3.00	1.06	5.75	2.31	0.93	3.94	1.18
BF48	094201	27.00 - 33.00	0.45	3.00	1.06	6.63	2.19	1.18	4.41	1.38
BF68	094202	27.00 - 33.00	0.45	3.00	1.06	7.75	2.06	1.34	5.51	1.73
BF88	094372	29.00 - 35.00	0.52	4.00	1.75	8.75	2.88	1.46	7.09	2.27
BF108	094373	29.50 - 35.50	0.69	4.75	2.00	11.50	3.13	1.87	8.35	3.05
BF128	094374	30.00 - 36.00	0.81	7.03	3.13	12.75	5.13	1.61	10.43	3.84
BF148	094375	30.00 - 36.00	0.81	7.03	3.13	14.88	4.63	1.77	12.40	4.14
BF168	094376	30.50 - 36.75	1.13	8.47	3.38	18.00	6.38	2.36	14.76	4.73

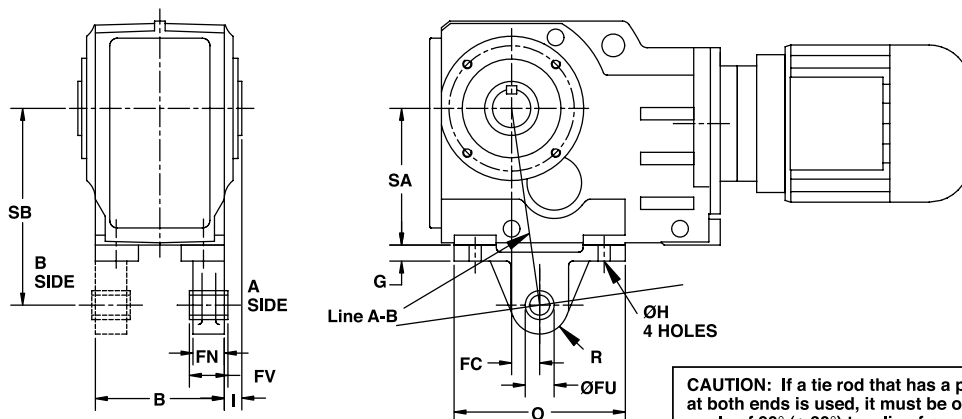
* Overall length can be reduce further (approximately 6 inches) by cutting the excess threaded rod from the tie rods

Please Note: Tie Rod Kits can only be mounted onto the hole pattern of the **flanged housing**. Foot mounted units are incompatible with this option

See page Engineering-12 for instructions for use.

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RIGHT ANGLE HELICAL BEVEL (RHB) Torque Arm Bracket (K) - BF Style Housing Only



Dimension - Inch/MM

UNIT SIZE	Part No.	B	G	φ H	I	O	R	FC	FN	FV	φFU	SA	SB	Weight lbs
BF38	085788	3.94	0.51	0.43	0.39	5.79	0.87	0.93	0.94	1.1	0.47	3.94	5.51	1.3
		100	13	11	10	147	22	23.5	24	28	12	100	140	
BF48	085821	4.33	0.51	0.43	0.79	6.69	1.34	1.18	1.42	1.65	0.71	4.41	6.3	2.9
		110	13	11	20	170	34	30	36	42	18	112	160	
BF68	085839	5.51	0.59	0.53	0.79	7.17	1.34	1.34	1.42	1.65	0.71	5.51	7.87	3.7
		140	15	13.5	20	182	34	34	36	42	18	140	200	
BF88	085857	6.69	0.79	0.69	0.79	8.03	1.57	1.46	1.97	2.2	0.98	7.09	9.84	6.4
		170	20	17.5	20	204	40	37	50	56	25	180	250	
BF108	085875	8.27	0.98	0.69	0.59	10.83	1.57	1.87	1.97	2.2	0.98	8.35	11.81	11
		210	25	17.5	15	275	40	47.5	50	56	25	212	300	
BF128	085893	10.04	1.18	0.87	0.89	12.91	1.57	1.61	1.97	2.2	0.98	10.43	13.78	14
		255	30	22	22.5	328	40	41	50	56	25	265	350	
BF148	085917	11.26	1.42	1.02	1.26	14.96	2.56	1.77	3.15	3.46	1.57	12.4	17.72	37
		286	36	26	32	380	65	45	80	88	40	315	450	
BF168	085944	12.76	1.57	1.3	1.69	18.11	2.56	2.36	3.15	3.46	1.57	14.76	21.65	52
		324	40	33	43	460	65	60	80	88	40	375	550	

Torque Arm kit includes bracket and bushing only. Customer to supply tie-rod.

Please Note: Torque Arm bracket can only be mounted onto the hole pattern of the **flanged housing**. Foot mounted units are incompatible with this option. See page Engineering-13 for Instructions for Use.

ØFU = Bore of bushing in bracket

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