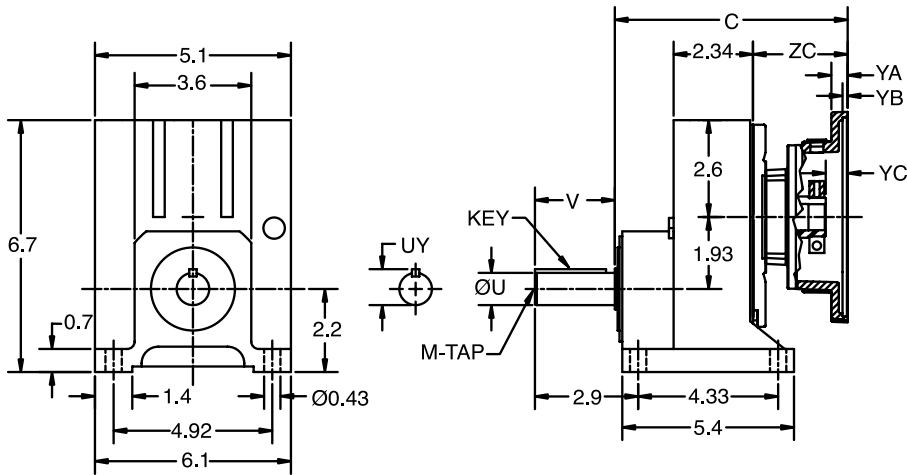


DIMENSIONS

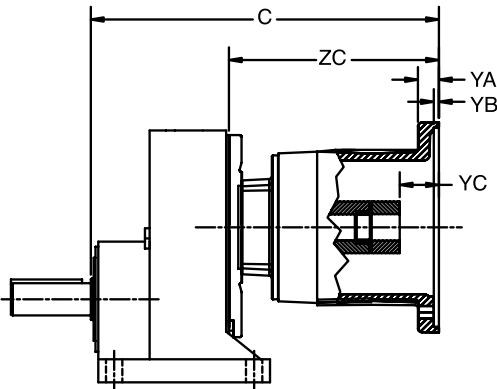


IN-LINE HELICAL GEAR REDUCER (ILH) NEMA C-Face - Foot Mounted - Clamp Collar / 3 Piece Coupled Single Reduction

SIZE: HB38



CLAMP COLLAR



THREE-PIECE COUPLED

METRIC OUTPUT SHAFT



NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB38

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
0.875	+0.000 -0.001	0.95	2.24	-	3/16 x 3/16 x 1.50	5/16-18 UNC
20	+0.015 +0.002	22.5	40	5	6 x 6 x 30	M6 x 16

NEMA Motor Adapter - Clamp Collar

Dimension - Inch

	H38 Single		YA	YB	YC
	C	ZC			
56C	7.8	3.5	0.47	0.20	0.67
140TC	8.5	4.2	0.47	0.20	0.67
180TC (J)	8.8	4.5	0.69	0.22	0.93

NEMA Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H38 Single		YA	YB	YC
	C	ZC			
56C	11.0	6.6	0.55	0.20	1.08
140TC	12.4	8.0	0.55	0.20	1.10

(J) See Footnotes page on inside back cover.

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

QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB38

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
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
25	+0.015 +0.002	28	50	7	8 x 7 x 40	M10 x 22

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.250	+0.0000 -0.0005	1.36	2.36	-	1/4 x 1/4 x 2	3/8-16 UNC x 0.87
30	+0.015 +0.002	33	60	7	8 x 7 x 50	M10 x 22

NEMA Motor Adapter - Clamp Collar

Dimension - Inch

	H38 Double		H38 Triple		YA	YB	YC
	C	ZC	C	ZC			
56C	8.98	3.47	9.57	4.06	0.47	0.20	0.67
140TC	9.65	4.14	10.24	4.73	0.47	0.20	0.67
180TC (J)	9.98	4.47	-	-	0.73	0.22	0.93

NEMA Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H38 Double		H38 Triple		YA	YB	YC
	C	ZC	C	ZC			
56C	12.11	6.60	12.70	7.19	0.55	0.20	1.08
140TC	13.52	8.01	14.11	8.60	0.55	0.20	1.10

(J) See Footnotes page on inside back cover

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

NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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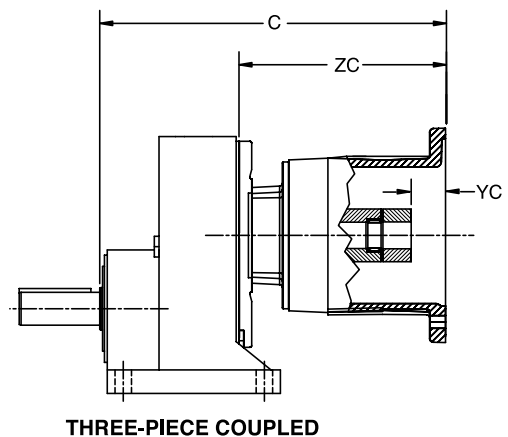
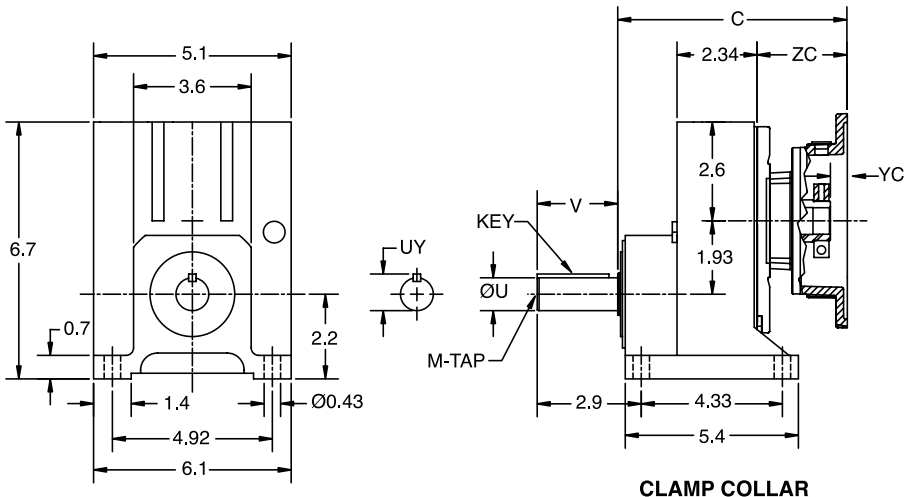
DIMENSIONS



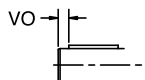
IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB38

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



METRIC OUTPUT SHAFT



NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB38

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
0.875	+0.000 -0.001	0.95	2.24	-	3/16 x 3/16 x 1.50	5/16-18 UNC
20	+0.015 +0.002	22.5	40	5	6 x 6 x 30	M6 x 16

IEC Motor Adapter - Clamp Collar

Dimension - Inch

	H38 Single		YC
	C	ZC	
71D	7.1	2.8	0.16
80D	8.1	3.7	0.61
90D	8.1	3.7	0.61
100D (J)	8.4	4.0	0.28

IEC Motor Adapter - 3 Piece Coupled

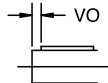
Dimension - Inch

	H38 Single		YC
	C	ZC	
80D	12.3	8.0	0.59
90D	12.3	8.0	1.02
100D (J)	13.2	8.8	1.18

(J) See Footnote page on inside back cover.

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

NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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ILH-124

DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB38

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
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
25	+0.015 +0.002	28	50	7	8 x 7 x 40	M10 x 22

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.250	+0.0000 -0.0005	1.36	2.36	-	1/4 x 1/4 x 2	3/8-16 UNC x 0.87
30	+0.015 +0.002	33	60	7	8 x 7 x 50	M10 x 22

IEC Motor Adapter - Clamp Collar

Dimension - Inch

	H38 Double		H38 Triple		YC
	C	ZC	C	ZC	
71D	8.27	2.76	8.86	3.35	0.16
80D (J)	9.21	3.70	9.80	4.29	0.61
90D (J)	9.21	3.70	9.80	4.29	0.61
100D (J)	9.51	4.00	-	-	0.28

IEC Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H38 Double		H38 Triple		YC
	C	ZC	C	ZC	
80D (J)	13.44	7.93	14.04	8.53	0.59
90D (J)	13.44	7.93	14.04	8.53	1.02
100D (J)	14.33	8.82	-	-	1.18

(J) See Footnotes page on inside back cover.

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

NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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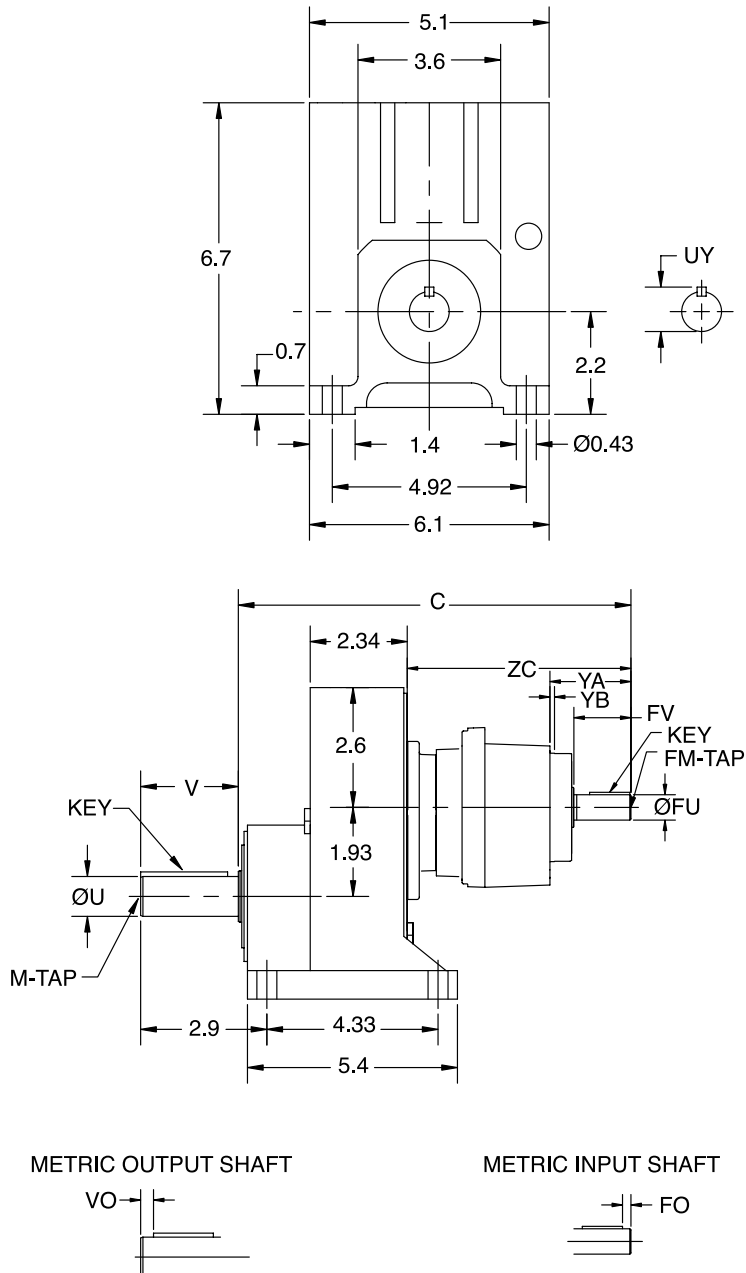
DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

Separate - Foot Mounted
Single Reduction

SIZE: HB38



NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB38

Separate - Foot Mounted
Single Reduction

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
0.875	+0.000 -0.001	0.95	2.24	-	3/16 x 3/16 x 1.50	5/16-18 UNC
20	+0.015 +0.002	22.5	40	5	6 x 6 x 30	M6 x 16

Separate Input

Dimension - Inch/MM

	H38 Single		FO	FM x Depth	ØFU	tol.	FV	YA	YB	KEY
	C	ZC								
71	10.3	6.0	-	8-32 UNC x 0.49	0.625	+0.0000 -0.0005	1.57	2.4	0.16	3/16 x 3/16 x 1-5/16
	261	151	4	M5 x 12.5	16	+0.012 +0.001	40			5 x 5 x 32
80	11.7	7.3	-	1/4-20 UNC x 0.63	0.75	+0.0000 -0.0005	1.57	2.4	0.16	3/16 x 3/16 x 1-5/16
	296	186	4	M6 x 16	19	+0.015 +0.002	40			6 x 6 x 32
90	12.1	7.7	-	5/16-18 UNC x 0.75	0.875	+0.0000 -0.0005	1.97	2.8	0.16	3/16 x 3/16 x 1-5/8
	306	196	5	M8 x 19	24	+0.015 +0.002	50			8 x 7 x 40
100	12.7	8.4	-	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
	322	212	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50

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

NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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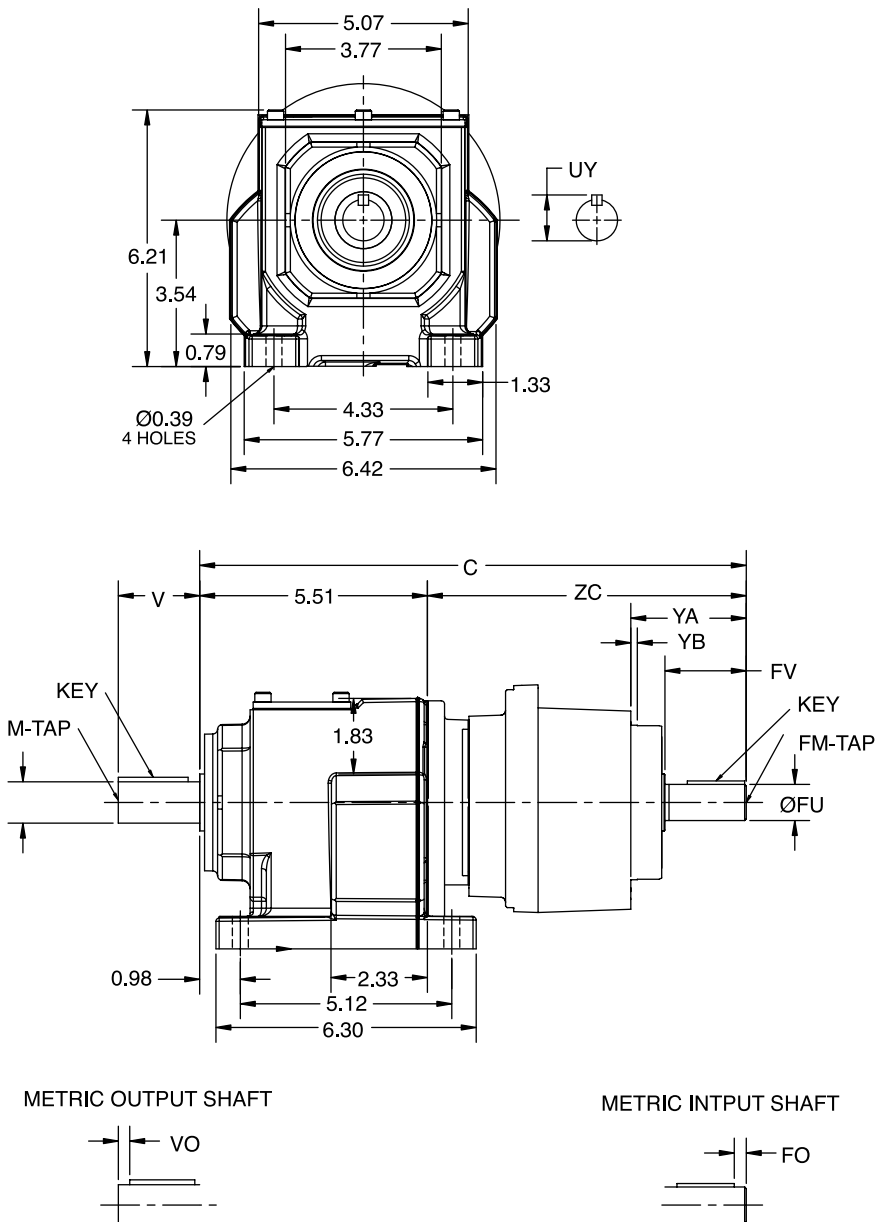
DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

Separate - Foot Mounted
Double/Triple Reduction

SIZE: HB38



NOMENCLATURE
PAGE ILH-4

MOUNTING POSITIONS
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PAGE ILH-343

DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB38

Separate - Foot Mounted

Double/Triple Reduction

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
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
25	+0.015 +0.002	28	50	7	8 x 7 x 40	M10 x 22

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.250	+0.0000 -0.0005	1.36	2.36	-	1/4 x 1/4 x 2	3/8-16 UNC x 0.87
30	+0.015 +0.002	33	60	7	8 x 7 x 50	M10 x 22

Separate Input

Dimension - Inch/MM

	H38 Double		H38 Triple		FO	FM x Depth	ØFU	tol.	FV	YA	YB	KEY
	C	ZC	C	ZC								
71	11.46	5.95	12.05	6.54	-	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
	291	151	306	166	4	M5 x 12.5	16	+0.012 +0.001	40			5 x 5 x 32
80	12.83	7.32	13.43	7.92	-	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
	326	186	341	201	4	M6 x 16	19	+0.015 +0.002	40			6 x 6 x 32
90	13.23	7.72	13.82	8.31	-	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
	336	196	351	211	5	M8 x 19	24	+0.015 +0.002	50			8 x 7 x 40
100	13.86	8.35	-	-	-	3/8-16 x UNC x 0.87	1.125	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	352	212	-	-	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50

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

NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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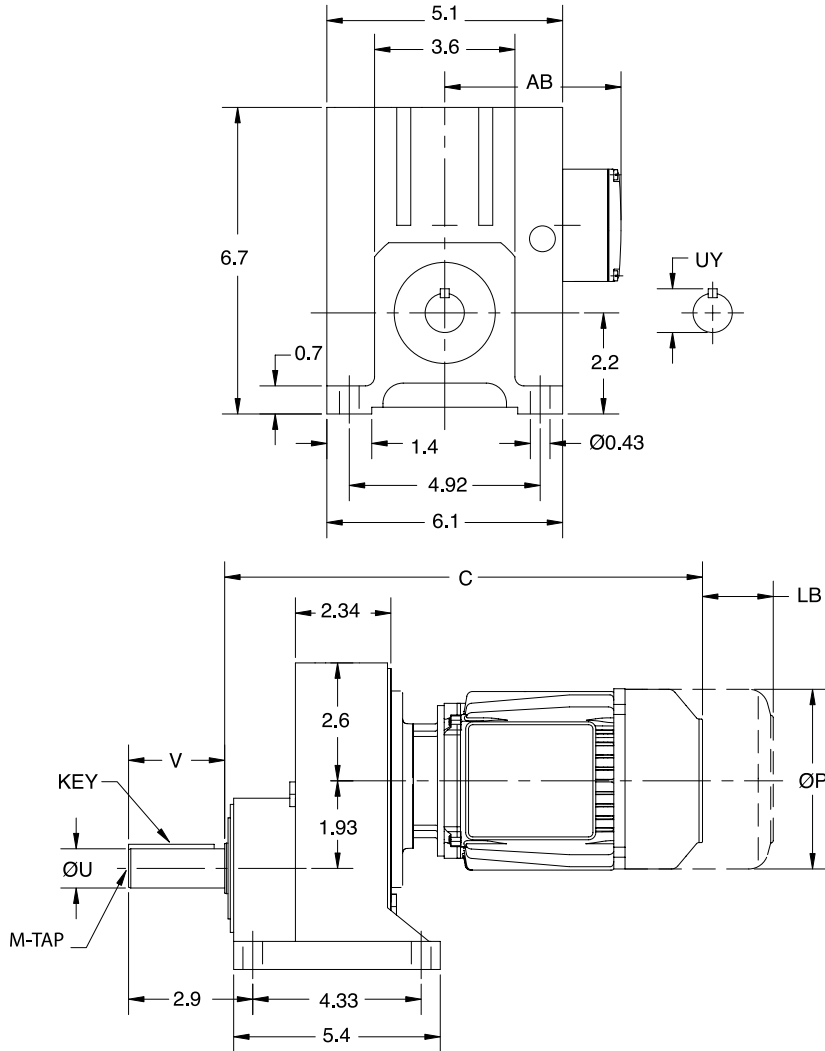
DIMENSIONS



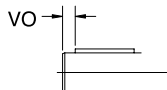
IN-LINE HELICAL GEAR REDUCER (ILH)

Integral Gearmotor - Foot Mounted
Single Reduction

SIZE: HB38



METRIC OUTPUT SHAFT



NOMENCLATURE
PAGE ILH-4

MOUNTING POSITIONS
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STOCK/NON-STOCK PART NUMBERS
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PAGE ILH-343

DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB38

Integral Gearmotor - Foot Mounted
Single Reduction

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
0.875	+0.000 -0.001	0.95	2.24	-	3/16 x 3/16 x 1.50	5/16-18 UNC
20	+0.015 +0.002	22.5	40	5	6 x 6 x 30	M6 x 16

Motor

Dimension - Inch/MM

FFrame	H38 Single		P	AB
	C	LB		
71C4 / 71D4 / 71E4	14.89	1.81	6.19	5.18
	379	46	158	132
80F4	15.05	2.56	6.19	5.12
	383	65	158	131
80G4	16.55	2.56	6.19	5.12
	421	65	158	131
90H4	16.53	2.52	7.19	5.79
	420	64	183	148
90I4	17.33	2.52	7.19	5.79
	441	64	183	148
100J4 (J)	19.42	2.91	7.19	5.79
	494	74	183	148

(J) See Footnote page on inside back cover.

QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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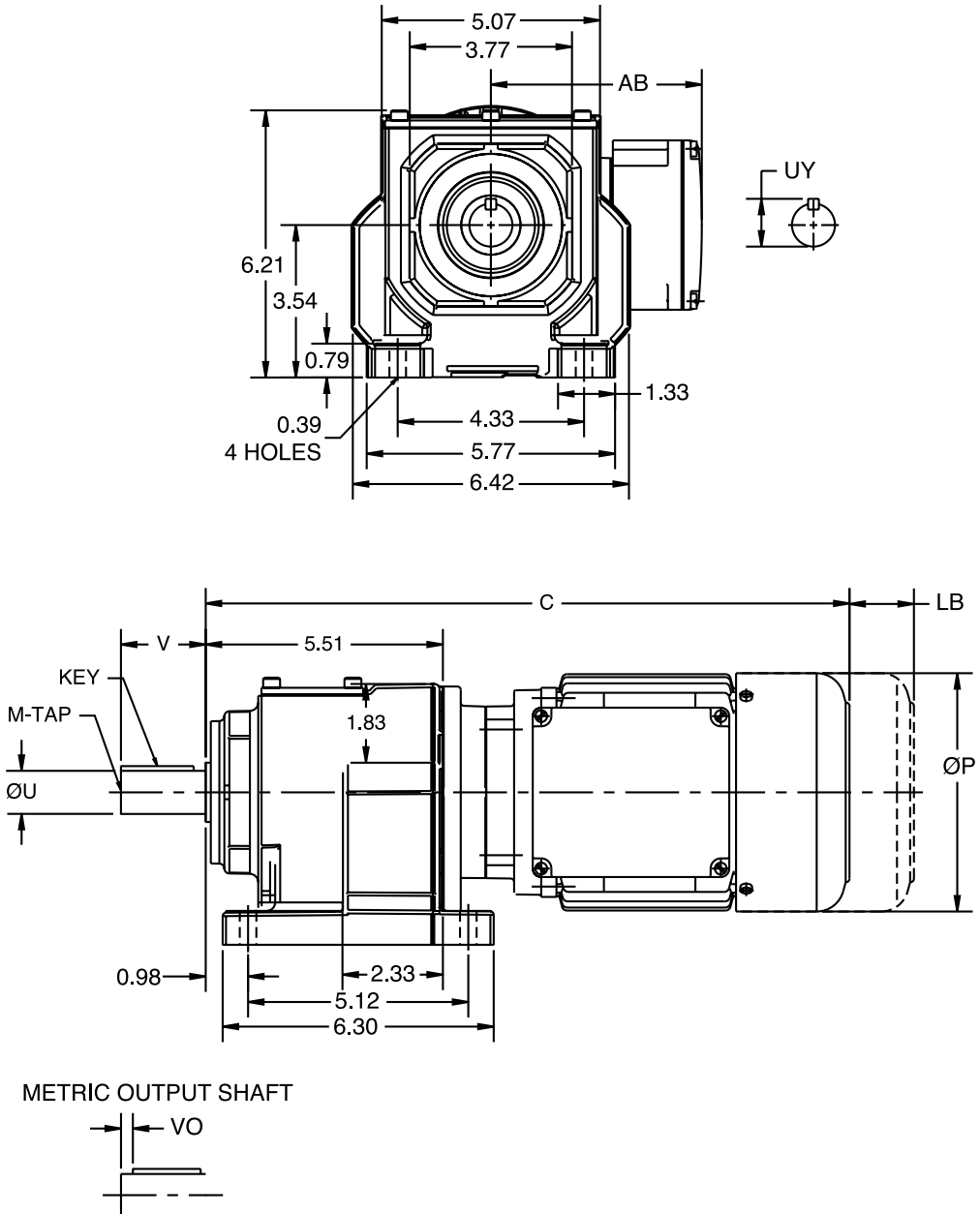
DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

Integral Gearmotor - Foot Mounted
Double/Triple Reduction

SIZE: HB38



NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB38

Integral Gearmotor - Foot Mounted

Double/Triple Reduction

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
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
25	+0.015 +0.002	28	50	7	8 x 7 x 40	M10 x 22

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.250	+0.0000 -0.0005	1.36	2.36	-	1/4 x 1/4 x 2	3/8-16 UNC x 0.87
30	+0.015 +0.002	33	60	7	8 x 7 x 50	M10 x 22

Motor

Dimension - Inch/MM

Frame	H38 Double		H38 Triple		P	AB
	C	LB	C	LB		
71C4 / 71D4 / 71E4	16.06	1.81	16.65	1.81	6.19	5.18
	408	46	423	46	158	132
80F4	16.2	2.56	16.79	2.56	6.19	5.12
	412	65	427	65	158	131
80G4	17.7	2.56	18.35	2.56	6.19	5.12
	450	65	467	65	158	131
90H4	17.63	2.52	18.22	2.52	7.19	5.79
	448	64	463	64	183	148
90I4	18.51	2.52	19.1	2.52	7.19	5.79
	47.1	64	486	64	183	148
100J4 (J)	20.51	2.91	-	-	7.19	5.79
	521	74	-	-	183	148

(J) See Footnotes page on inside back cover

NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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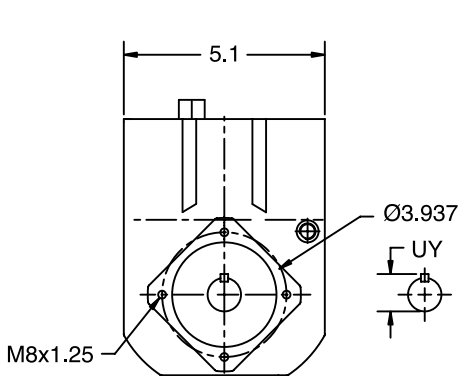
DIMENSIONS



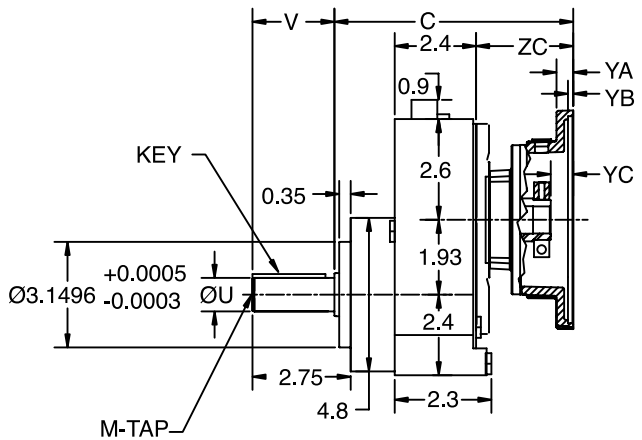
IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF38

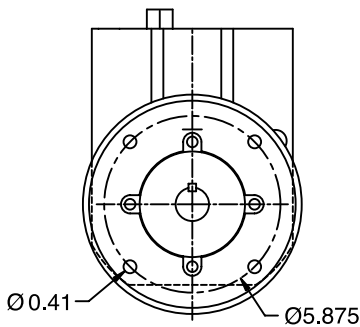
NEMA C-Face - Flange Mounted (B5 / B14 / NEMA) - Clamp Collar / 3 Piece Coupled
Single Reduction



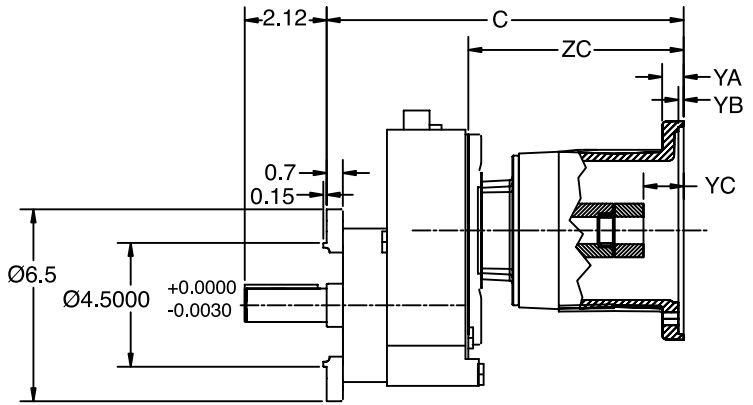
B14 OUTPUT FLANGE -
Ø120mm



CLAMP COLLAR



NEMA 140TC OUTPUT FLANGE



THREE-PIECE COUPLED

DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF38

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
0.875	+0.000 -0.001	0.95	2.24	-	3/16 x 3/16 x 1.50	5/16-18 UNC
20	+0.015 +0.002	22.5	40	5	6 x 6 x 30	M6 x 16

NEMA Motor Adapter - Clamp Collar

Dimension - Inch

	H38 Single		YA	YB	YC
	C	ZC			
56C	7.8	3.5	0.47	0.20	0.67
140TC	8.5	4.2	0.47	0.20	0.67
180TC	8.8	4.5	0.69	0.22	0.93

NEMA Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H38 Single		YA	YB	YC
	C	ZC			
56C	11.0	6.6	0.55	0.20	1.08
140TC	12.4	8.0	0.55	0.20	1.10

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

QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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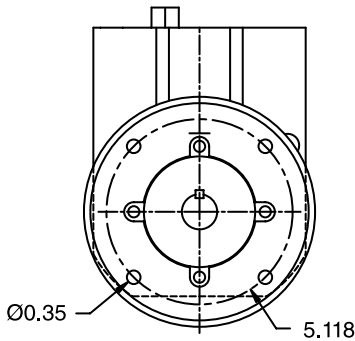
DIMENSIONS



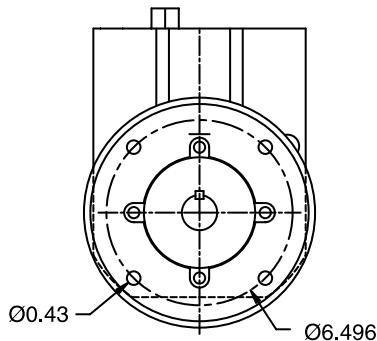
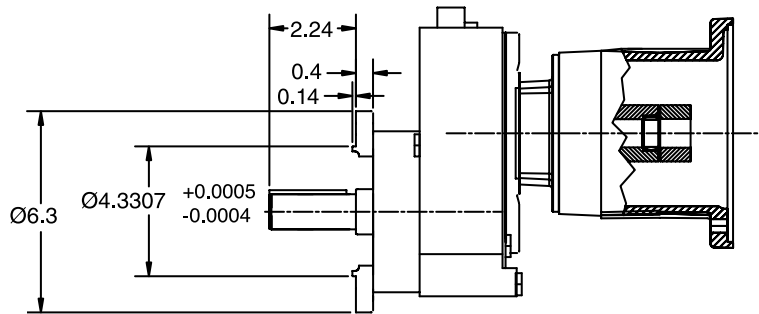
IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF38

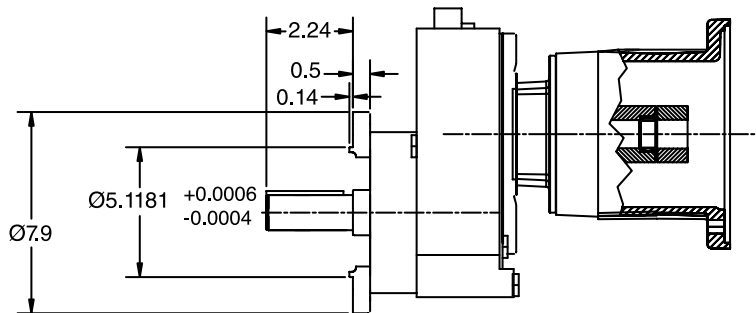
NEMA C-Face - Flange Mounted (B5 / B14 / NEMA) - Clamp Collar / 3 Piece Coupled
Single Reduction



**B5 OUTPUT FLANGE -
Ø160mm**



**B5 OUTPUT FLANGE -
Ø200mm**



METRIC OUTPUT SHAFT



Refer to page ILH-134 for additional dimensions

NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF38

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
0.875	+0.000 -0.001	0.95	2.24	-	3/16 x 3/16 x 1.50	5/16-18 UNC
20	+0.015 +0.002	22.5	40	5	6 x 6 x 30	M6 x 16

NEMA Motor Adapter - Clamp Collar

Dimension - Inch

	H38 Single		YA	YB	YC
	C	ZC			
56C	7.8	3.5	0.47	0.20	0.67
140TC	8.5	4.2	0.47	0.20	0.67
180TC	8.8	4.5	0.69	0.22	0.93

NEMA Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H38 Single		YA	YB	YC
	C	ZC			
56C	11.0	6.6	0.55	0.20	1.08
140TC	12.4	8.0	0.55	0.20	1.10

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

QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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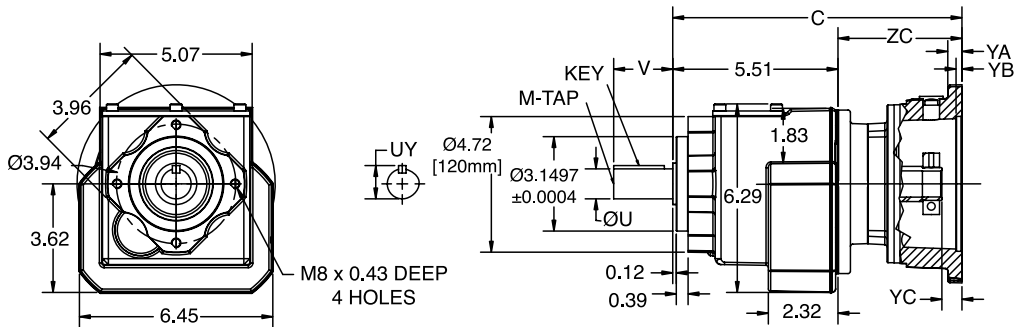
DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

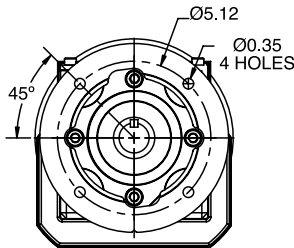
NEMA C-Face - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled
Double/Triple Reduction

SIZE: HF38

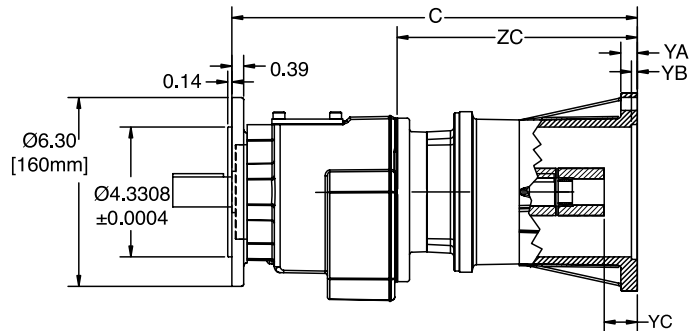


B14 OUTPUT FLANGE -
Ø120mm

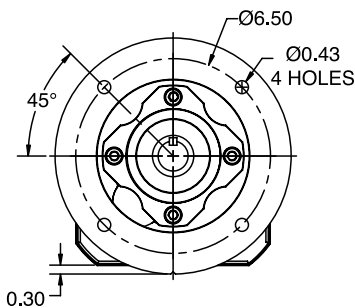
CLAMP COLLAR



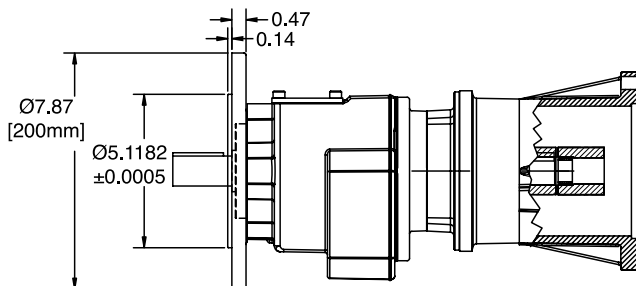
B5 OUTPUT FLANGE -
Ø160mm



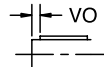
THREE-PIECE COUPLED



B5 OUTPUT FLANGE -
Ø200mm



METRIC OUTPUT SHAFT



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PAGE ILH-4

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PAGE ILH-7

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WEIGHTS
PAGE ILH-343

IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF38

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
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
25	+0.015 +0.002	28	50	7	8 x 7 x 40	M10 x 22

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.250	+0.0000 -0.0005	1.36	2.36	-	1/4 x 1/4 x 2	3/8-16 UNC x 0.87
30	+0.015 +0.002	33	60	7	8 x 7 x 50	M10 x 22

NEMA Motor Adapter - Clamp Collar

Dimension - Inch

	H38 Double		H38 Triple		YA	YB	YC
	C	ZC	C	ZC			
56C	8.98	3.47	9.57	4.06	0.47	0.20	0.67
140TC	9.65	4.14	10.24	4.73	0.47	0.20	0.67
180TC	9.98	4.47	-	-	0.73	0.22	0.93

NEMA Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H38 Double		H38 Triple		YA	YB	YC
	C	ZC	C	ZC			
56C	12.11	6.60	12.70	7.19	0.55	0.20	1.08
140TC	13.52	8.01	14.11	8.60	0.55	0.20	1.10

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

NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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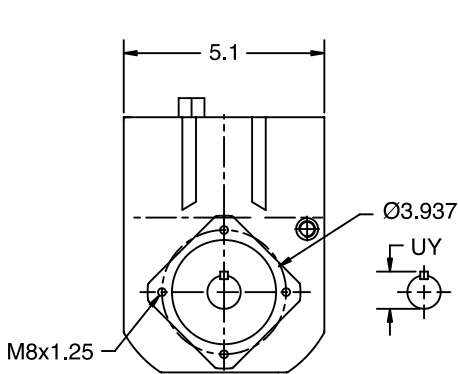
DIMENSIONS



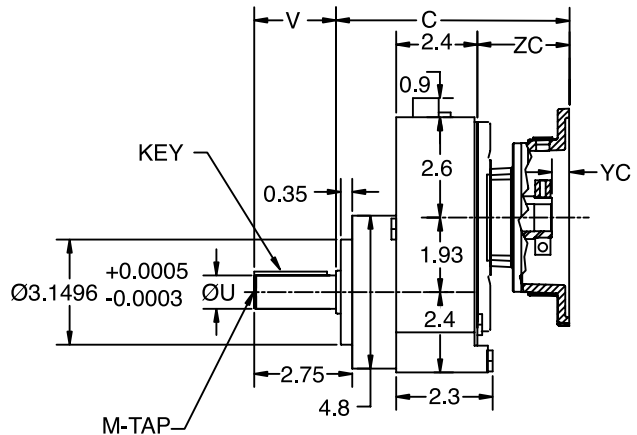
IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF38

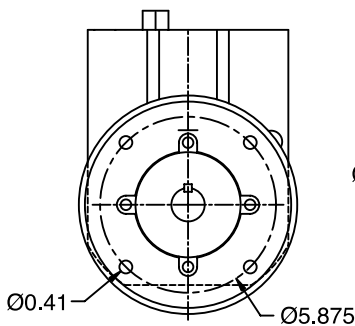
IEC D Flange (B5 Input) - Flange Mounted (B5/B14 / NEMA) - Clamp Collar / 3 Piece Coupled
Single Reduction



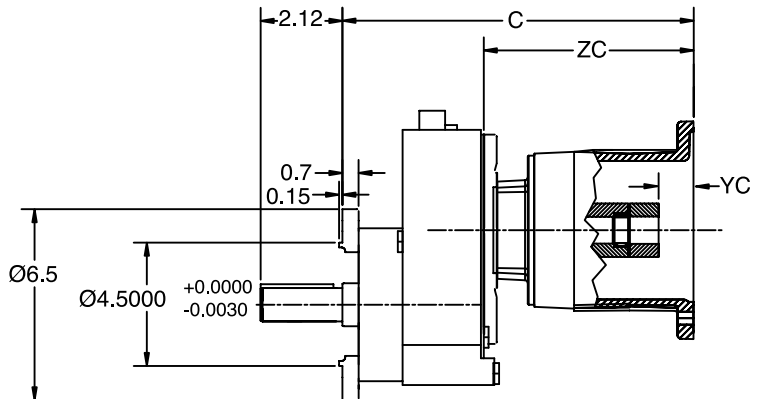
B14 OUTPUT FLANGE-
Ø120mm



CLAMP COLLAR



NEMA 140TC OUTPUT FLANGE



THREE-PIECE COUPLED

DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF38

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
0.875	+0.000 -0.001	0.95	2.24	-	3/16 x 3/16 x 1.50	5/16-18 UNC
20	+0.015 +0.002	22.5	40	5	6 x 6 x 30	M6 x 16

IEC Motor Adapter - Clamp Collar

Dimension - Inch

	H38 Single		YC
	C	ZC	
71D	7.1	2.8	0.16
80D	8.1	3.7	0.61
90D	8.1	3.7	0.61
100D	8.4	4.0	0.28

IEC Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H38 Single		YC
	C	ZC	
80D	12.3	8.0	0.59
90D	12.3	8.0	1.02
100D	13.2	8.8	1.18

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

QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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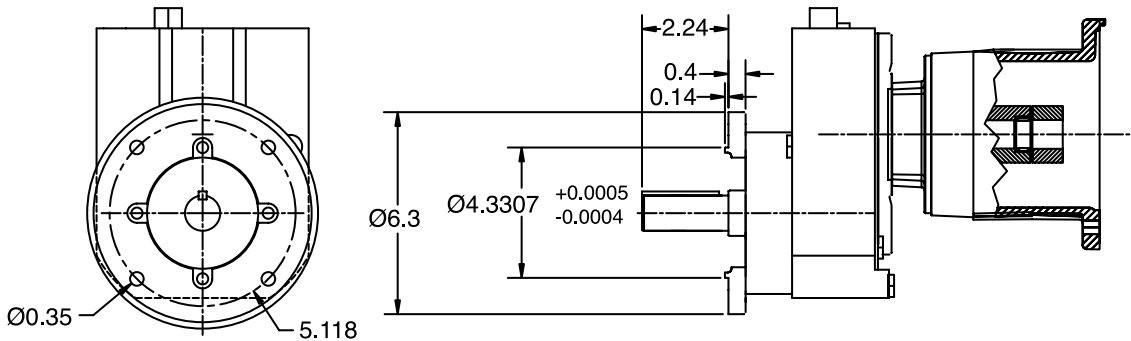
DIMENSIONS



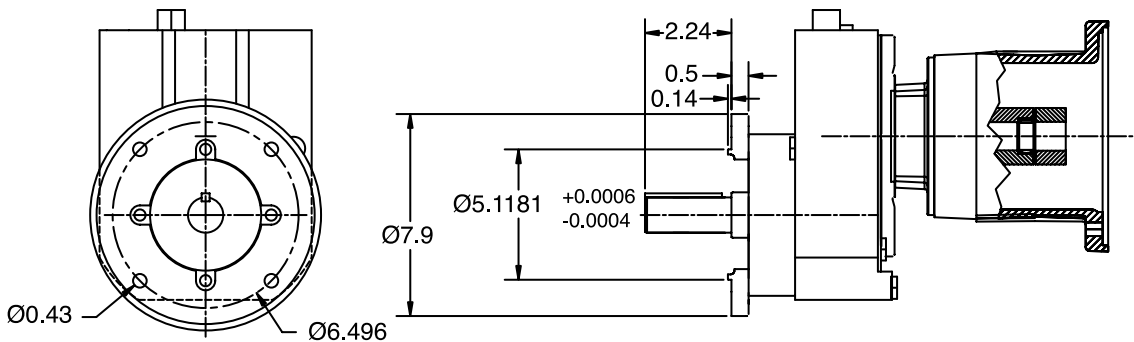
IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF38

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

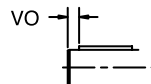


B5 OUTPUT FLANGE - Ø160mm



B5 OUTPUT FLANGE - Ø200mm

METRIC OUTPUT SHAFT



Refer to page ILH-140 for additional dimensions

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DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF38

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
0.875	+0.000 -0.001	0.95	2.24	-	3/16 x 3/16 x 1.50	5/16-18 UNC
20	+0.015 +0.002	22.5	40	5	6 x 6 x 30	M6 x 16

IEC Motor Adapter - Clamp Collar

Dimension - Inch

	H38 Single		YC
	C	ZC	
71D	7.1	2.8	0.16
80D	8.1	3.7	0.61
90D	8.1	3.7	0.61
100D	8.4	4.0	0.28

IEC Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H38 Single		YC
	C	ZC	
80D	12.3	8.0	0.59
90D	12.3	8.0	1.02
100D	13.2	8.8	1.18

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

QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

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IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF38

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
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
25	+0.015 +0.002	28	50	7	8 x 7 x 40	M10 x 22

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.250	+0.0000 -0.0005	1.36	2.36	-	1/4 x 1/4 x 2	3/8-16 UNC x 0.87
30	+0.015 +0.002	33	60	7	8 x 7 x 50	M10 x 22

IEC Motor Adapter - Clamp Collar

Dimension - Inch

	H38 Double		H38 Triple		YC
	C	ZC	C	ZC	
71D	8.27	2.76	8.86	3.35	0.16
80D	9.21	3.70	9.80	4.29	0.61
90D	9.21	3.70	9.80	4.29	0.61
100D	9.51	4.00	-	-	0.28

IEC Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H38 Double		H38 Triple		YC
	C	ZC	C	ZC	
80D	13.44	7.93	14.04	8.53	0.59
90D	13.44	7.93	14.04	8.53	1.02
100D	14.33	8.82	-	-	1.18

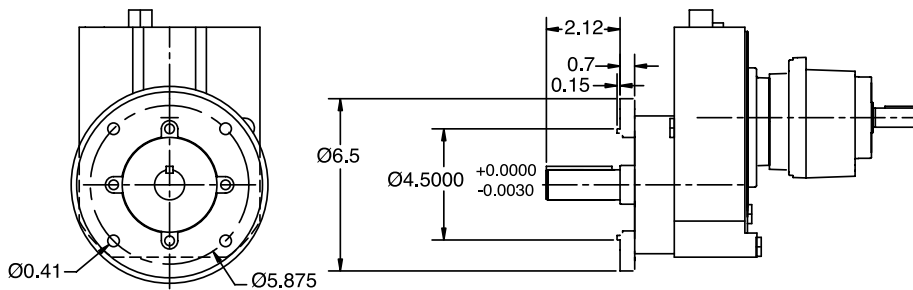
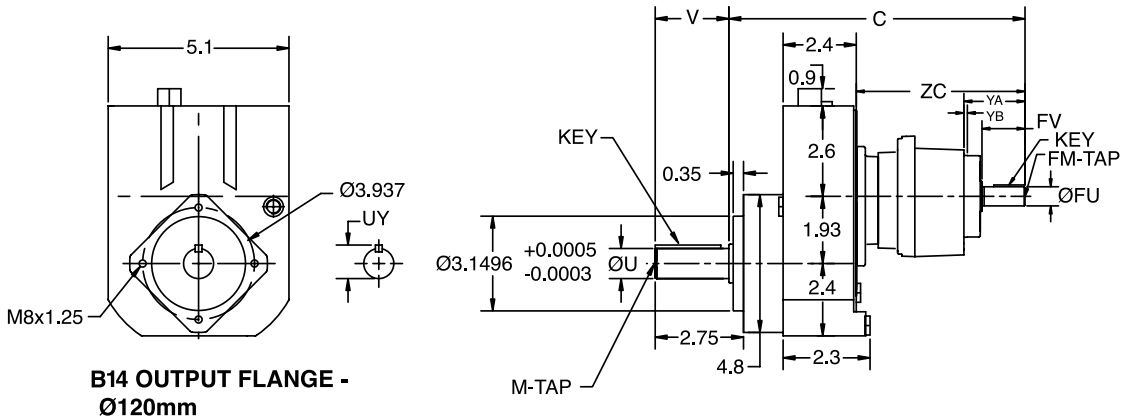
Refer to page Engineering-3 for Input Shaft and Flange details.



SIZE: HF38

Separate - Flange Mounted (B5 / B14)

Single Reduction



NEMA 140TC OUTPUT FLANGE

NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF38

Separate - Flange Mounted (B5 / B14)

Single Reduction

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
0.875	+0.000 -0.001	0.95	2.24	-	3/16 x 3/16 x 1.50	5/16-18 UNC
20	+0.015 +0.002	22.5	40	5	6 x 6 x 30	M6 x 16

Separate Input

Dimension - Inch/MM

	H38 Single		FO	FM x Depth	ØFU	tol.	FV	YA	YB	KEY
	C	ZC								
71	10.3	6.0	-	8-32 UNC x 0.49	0.625	+0.0000 -0.0005	1.57	2.4	0.16	3/16 x 3/16 x 1-5/16
	261	151	4	M5 x 12.5	16	+0.012 +0.001	40			5 x 5 x 32
80	11.7	7.3	-	1/4-20 UNC x 0.63	0.75	+0.0000 -0.0005	1.57	2.4	0.16	3/16 x 3/16 x 1-5/16
	296	186	4	M6 x 16	19	+0.015 +0.002	40			6 x 6 x 32
90	12.1	7.7	-	5/16-18 UNC x 0.75	0.875	+0.0000 -0.0005	1.97	2.8	0.16	3/16 x 3/16 x 1-5/8
	306	196	5	M8 x 19	24	+0.015 +0.002	50			8 x 7 x 40
100	12.7	8.4	-	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
	322	212	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50

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

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DIMENSIONS

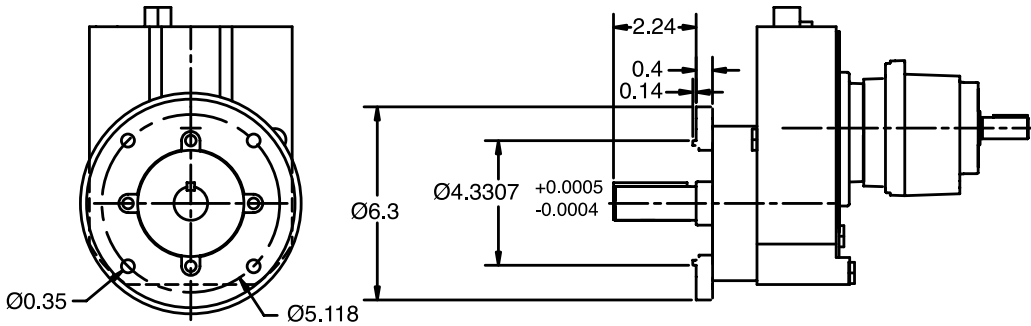


IN-LINE HELICAL GEAR REDUCER (ILH)

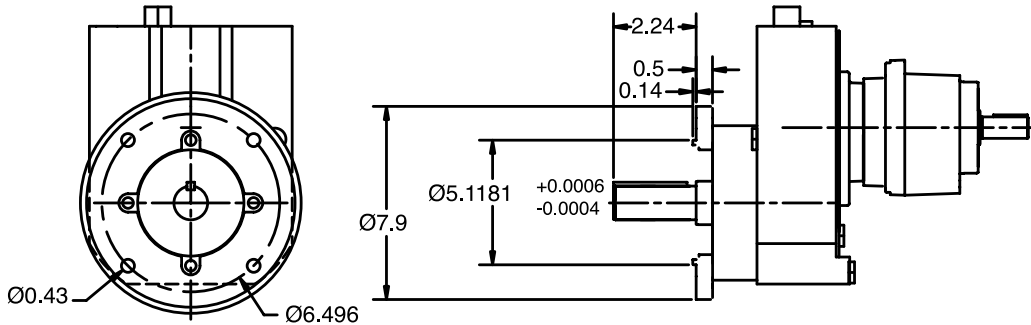
Separate - Flange Mounted (B5 / B14)

Single Reduction

SIZE: HF38

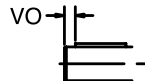


**B5 OUTPUT FLANGE -
Ø160mm**

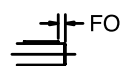


**B5 OUTPUT FLANGE -
Ø200mm**

METRIC OUTPUT SHAFT



METRIC INPUT SHAFT



Refer to page ILH-146 for additional dimensions

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DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF38

Separate - Flange Mounted (B5 / B14)

Single Reduction

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
0.875	+0.000 -0.001	0.95	2.24	-	3/16 x 3/16 x 1.50	5/16-18 UNC
20	+0.015 +0.002	22.5	40	5	6 x 6 x 30	M6 x 16

Separate Input

Dimension - Inch/MM

	H38 Single		FO	FM x Depth	ØFU	tol.	FV	YA	YB	KEY
	C	ZC								
71	10.3	6.0	-	8-32 UNC x 0.49	0.625	+0.0000 -0.0005	1.57	2.4	0.16	3/16 x 3/16 x 1-5/16
	261	151	4	M5 x 12.5	16	+0.012 +0.001	40			5 x 5 x 32
80	11.7	7.3	-	1/4-20 UNC x 0.63	0.75	+0.0000 -0.0005	1.57	2.4	0.16	3/16 x 3/16 x 1-5/16
	296	186	4	M6 x 16	19	+0.015 +0.002	40			6 x 6 x 32
90	12.1	7.7	-	5/16-18 UNC x 0.75	0.875	+0.0000 -0.0005	1.97	2.8	0.16	3/16 x 3/16 x 1-5/8
	306	196	5	M8 x 19	24	+0.015 +0.002	50			8 x 7 x 40
100	12.7	8.4	-	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
	322	212	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50

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

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DIMENSIONS

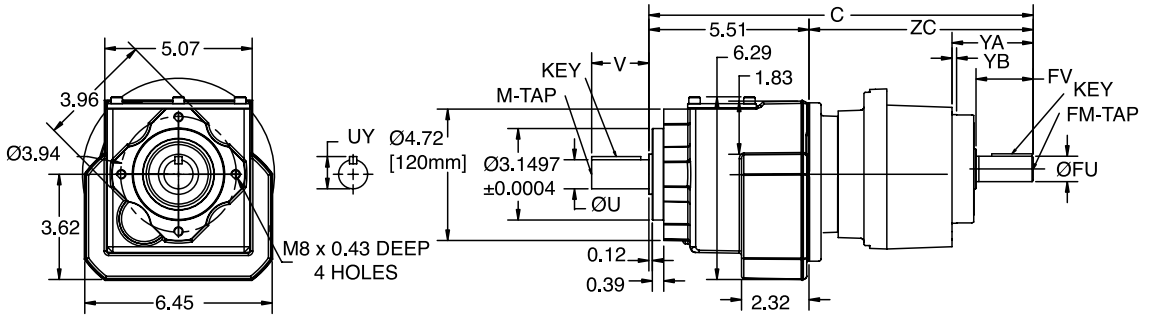


IN-LINE HELICAL GEAR REDUCER (ILH)

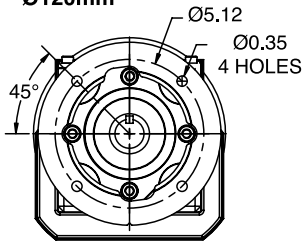
Separate - Flange Mounted (B5 / B14)

Double/Triple Reduction

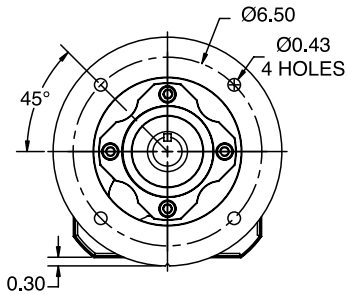
SIZE: HF38



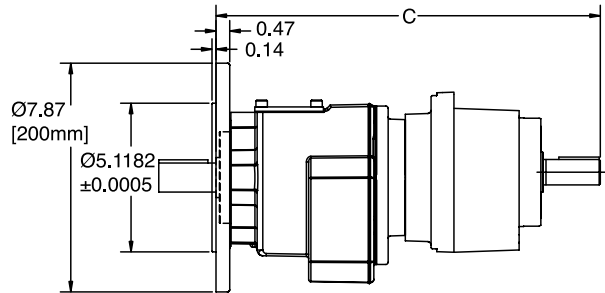
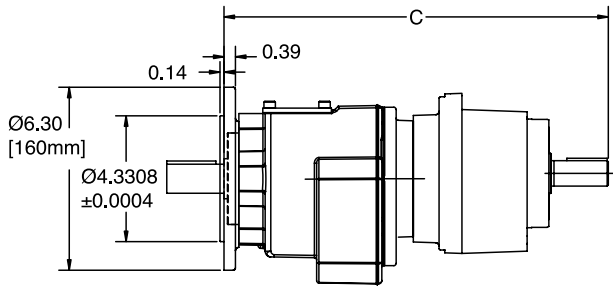
**B14 OUTPUT FLANGE -
Ø120mm**



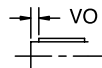
**B5 OUTPUT FLANGE -
Ø160mm**



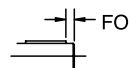
**B5 OUTPUT FLANGE -
Ø200mm**



METRIC OUTPUT SHAFT



METRIC INPUT SHAFT



NOMENCLATURE
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MOUNTING POSITIONS
PAGE ILH-7

STOCK/NON-STOCK PART NUMBERS
PAGE ILH-67

WEIGHTS
PAGE ILH-343

IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF38

Separate - Flange Mounted (B5 / B14)

Double/Triple Reduction

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
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
25	+0.015 +0.002	28	50	7	8 x 7 x 40	M10 x 22

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.250	+0.0000 -0.0005	1.36	2.36	-	1/4 x 1/4 x 2	3/8-16 UNC x 0.87
30	+0.015 +0.002	33	60	7	8 x 7 x 50	M10 x 22

Separate Input

Dimension - Inch/MM

	H38 Double		H38 Triple		FO	FM x Depth	ØFU	tol.	FV	YA	YB	KEY
	C	ZC	C	ZC								
71	11.46	5.95	12.05	6.54	-	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
	291	151	306	166	4	M5 x 12.5	16	+0.012 +0.001	40			5 x 5 x 32
80	12.83	7.32	13.43	7.92	-	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
	326	186	341	201	4	M6 x 16	19	+0.015 +0.002	40			6 x 6 x 32
90	13.23	7.72	13.82	8.31	-	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
	336	196	351	211	5	M8 x 19	24	+0.015 +0.002	50			8 x 7 x 40
100	13.86	8.35	-	-	-	3/8-16 x UNC x 0.87	1.125	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	352	212	-	-	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50

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

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DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH) Integral Gearmotor - Flange Mounted (B5 / B14 / NEMA) Single Reduction

SIZE: HF38

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
0.875	+0.000 -0.001	0.95	2.24	-	3/16 x 3/16 x 1.50	5/16-18 UNC
20	+0.015 +0.002	22.5	40	5	6 x 6 x 30	M6 x 16

Motor

Dimension - Inch/MM

Frame	H38 Single		P	AB
	C	LB		
71C4 / 71D4 / 71E4	14.89	1.81	6.19	5.18
	379	46	158	132
80F4	15.05	2.56	6.19	5.12
	383	65	158	131
80G4	16.55	2.56	6.19	5.12
	421	65	158	131
90H4	16.53	2.52	7.19	5.79
	420	64	183	148
90I4	17.33	2.52	7.19	5.79
	441	64	183	148
100J4	19.42	2.91	7.19	5.79
	494	74	183	148

NOMENCLATURE
PAGE ILH-4

MOUNTING POSITIONS
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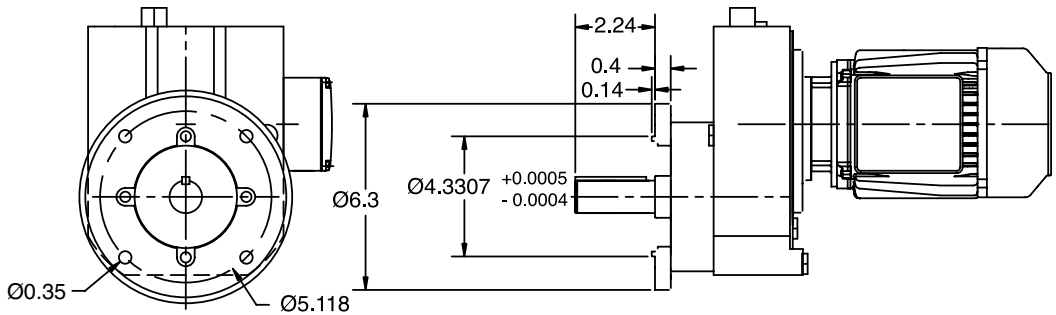
WEIGHTS
PAGE ILH-343

DIMENSIONS

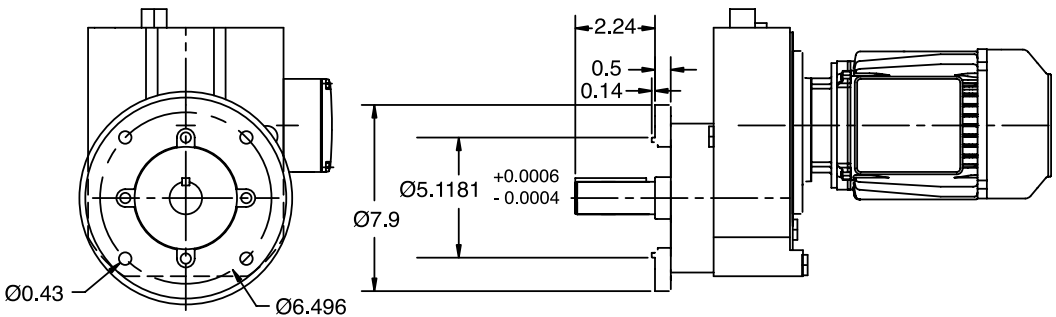


IN-LINE HELICAL GEAR REDUCER (ILH) Integral Gearmotor - Flange Mounted (B5 / B14 / NEMA) Single Reduction

SIZE: HF38

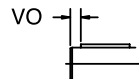


**B5 OUTPUT FLANGE -
Ø160 mm**



**B5 OUTPUT FLANGE -
Ø200 mm**

METRIC OUTPUT SHAFT



Refer to page ILH-152 for additional dimensions

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DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH) Integral Gearmotor - Flange Mounted (B5 / B14 / NEMA) Single Reduction

SIZE: HF38

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
0.875	+0.000 -0.001	0.95	2.24	-	3/16 x 3/16 x 1.50	5/16-18 UNC
20	+0.015 +0.002	22.5	40	5	6 x 6 x 30	M6 x 16

Motor

Dimension - Inch/MM

Frame	H38 Single		P	AB
	C	LB		
71C4 / 71D4 / 71E4	14.89	1.81	6.19	5.18
	379	46	158	132
80F4	15.05	2.56	6.19	5.12
	383	65	158	131
80G4	16.55	2.56	6.19	5.12
	421	65	158	131
90H4	16.53	2.52	7.19	5.79
	420	64	183	148
90I4	17.33	2.52	7.19	5.79
	441	64	183	148
100J4	19.42	2.91	7.19	5.79
	494	74	183	148

NOMENCLATURE
PAGE ILH-4

MOUNTING POSITIONS
PAGE ILH-7

STOCK/NON-STOCK PART NUMBERS
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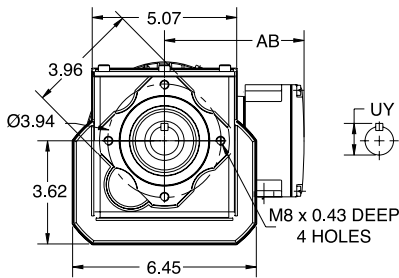
WEIGHTS
PAGE ILH-343

DIMENSIONS

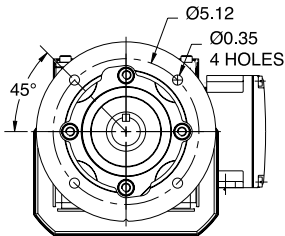


IN-LINE HELICAL GEAR REDUCER (ILH) Integral Gearmotor - Flange Mounted (B5 / B14) Double/Triple Reduction

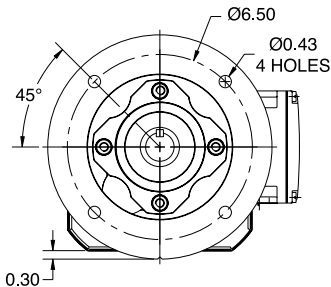
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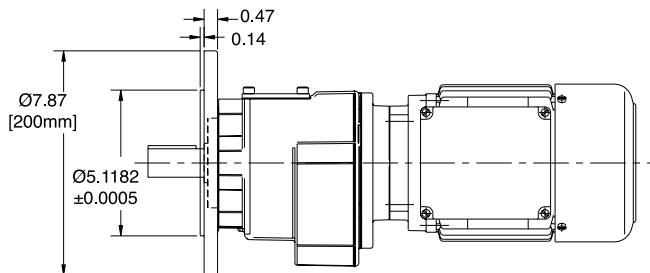
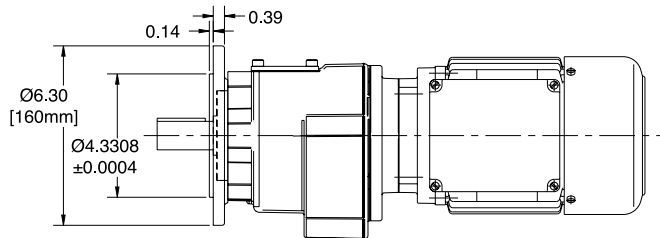
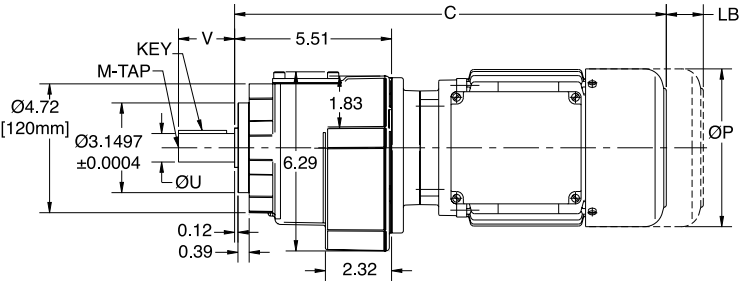
**B14 OUTPUT FLANGE -
Ø120mm**



**B5 OUTPUT FLANGE -
Ø160mm**



**B5 OUTPUT FLANGE -
Ø200mm**



METRIC OUTPUT SHAFT



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DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF38

Integral Gearmotor - Flange Mounted (B5 / B14)

Double/Triple Reduction

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
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
25	+0.015 +0.002	28	50	7	8 x 7 x 40	M10 x 22

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.250	+0.0000 -0.0005	1.36	2.36	-	1/4 x 1/4 x 2	3/8-16 UNC x 0.87
30	+0.015 +0.002	33	60	7	8 x 7 x 50	M10 x 22

Motor

Dimension - Inch/MM

Frame	H38 Double		H38 Triple		P	AB
	C	LB	C	LB		
71C4 / 71D4 / 71E4	16.06	1.81	16.65	1.81	6.19	5.18
	408	46	423	46	158	132
80F4	16.2	2.56	16.79	2.56	6.19	5.12
	412	65	427	65	158	131
80G4	17.7	2.56	18.35	2.56	6.19	5.12
	450	65	467	65	158	131
90H4	17.63	2.52	18.22	2.52	7.19	5.79
	448	64	463	64	183	148
90I4	18.51	2.52	19.1	2.52	7.19	5.79
	471	64	486	64	183	148
100J4	20.51	2.91	-	-	7.19	5.79
	521	74	-	-	183	148

NOMENCLATURE
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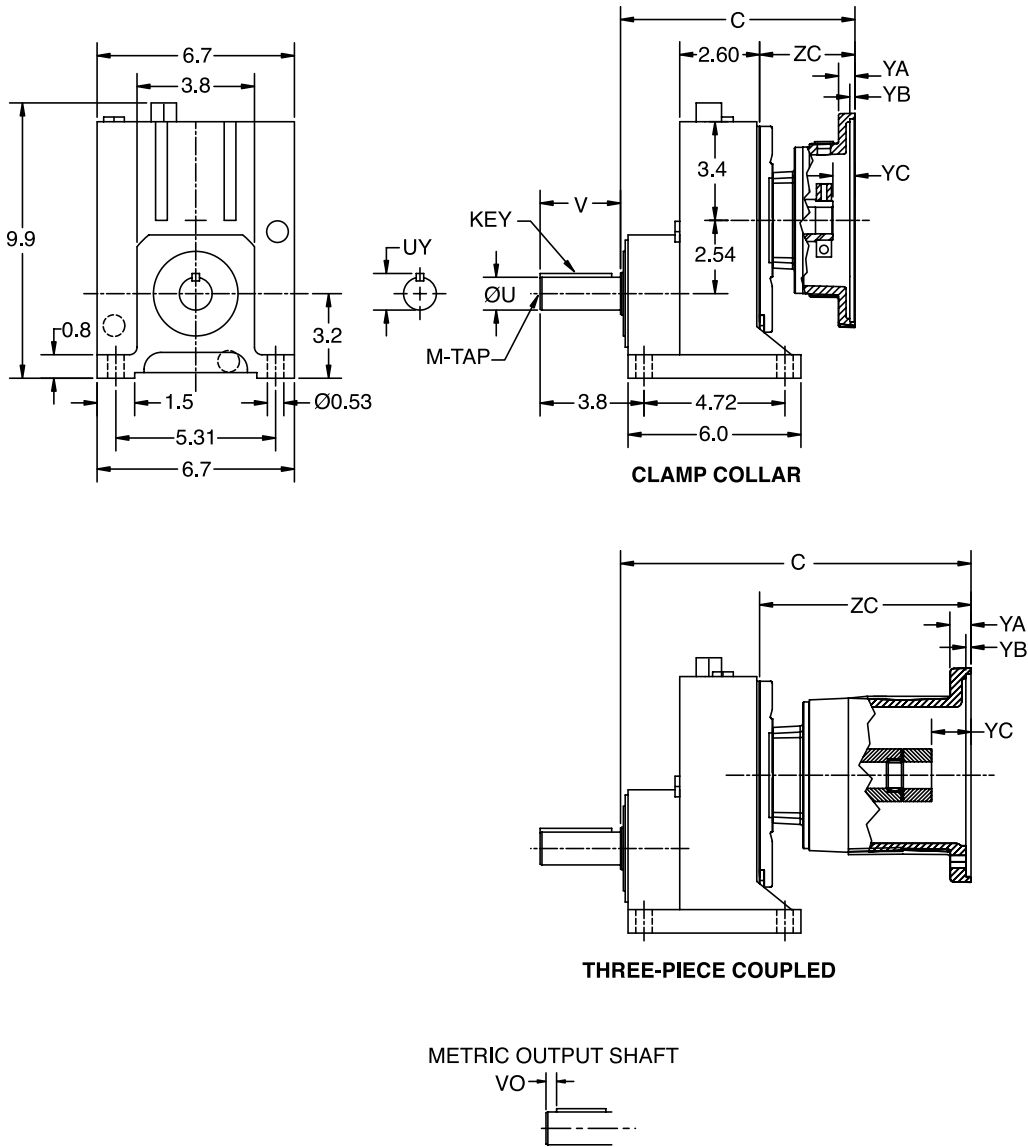
WEIGHTS
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DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH) NEMA C-Face - Foot Mounted - Clamp Collar / 3 Piece Coupled Single Reduction

SIZE: HB48



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DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB48

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.125	+0.000 -0.001	1.23	2.74	-	1/4 x 1/4 x 2.35	3/8-16 UNC
25	+0.015 +0.002	28	50	7	8 x 7 x 40	M10 x 22

NEMA Motor Adapter - Clamp Collar

Dimension - Inch

	H48 Single		YA	YB	YC
	C	ZC			
56C	7.6	3.3	0.47	0.20	0.67
140TC	8.3	3.9	0.47	0.20	0.67
180TC	9.9	5.5	0.73	0.22	0.91

NEMA Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H48 Single		YA	YB	YC
	C	ZC			
56C	10.8	6.4	0.55	0.20	1.08
140TC	12.2	7.8	0.55	0.20	1.10
180TC	13.5	9.1	0.73	0.22	1.65

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

QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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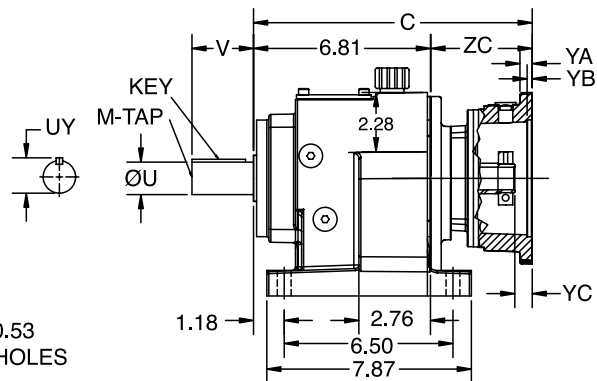
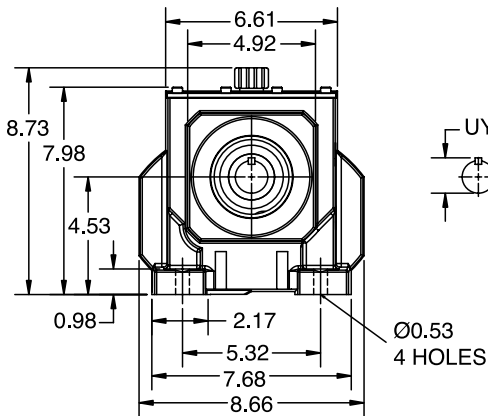
DIMENSIONS



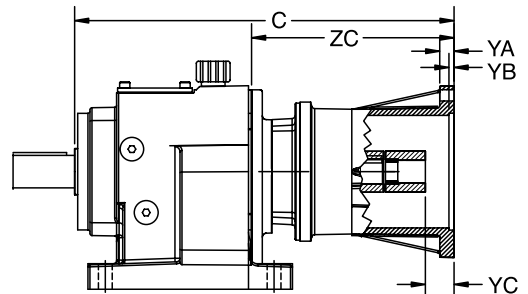
IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB48

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

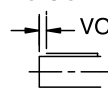


CLAMP COLLAR



THREE-PIECE COUPLED

METRIC OUTPUT SHAFT



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IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB48

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.250	+0.0000 -0.0005	1.36	2.36	-	1/4 x 1/4 x 2	3/8 - 16 UNC x 0.87
30	+0.015 +0.002	33	60	7	8 x 7 x 50	M10 x 22

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.625	+0.0000 -0.0005	1.79	3.15	-	3/8 x 3/8 x 2-5/8	5/8 - 11 UNC x 1.42
40	+0.018 +0.002	43	80	5	12 x 8 x 70	M16 x 36

NEMA Motor Adapter - Clamp Collar

Dimension - Inch

	H48 Double		H48 Triple		YA	YB	YC
	C	ZC	C	ZC			
56C	10.06	3.25	10.73	3.92	0.47	0.20	0.67
140TC	10.73	3.92	11.40	4.59	0.47	0.20	0.67
180TC	12.30	5.49	12.97	6.16	0.73	0.22	0.91

NEMA Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H48 Double		H48 Triple		YA	YB	YC
	C	ZC	C	ZC			
56C	13.19	6.38	13.86	7.05	0.55	0.20	1.08
140TC	14.61	7.80	15.28	8.46	0.55	0.20	1.10
180TC	15.89	9.08	16.56	9.75	0.73	0.22	1.65

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

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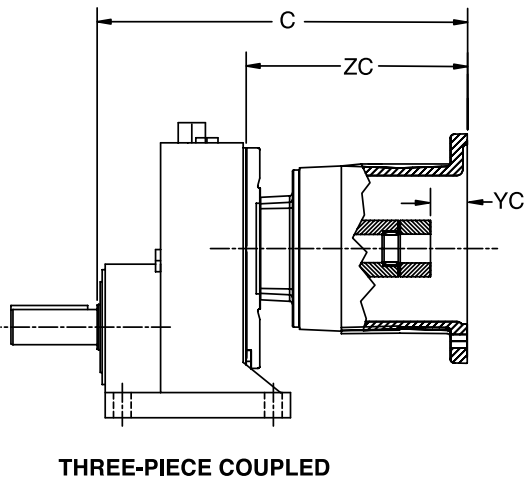
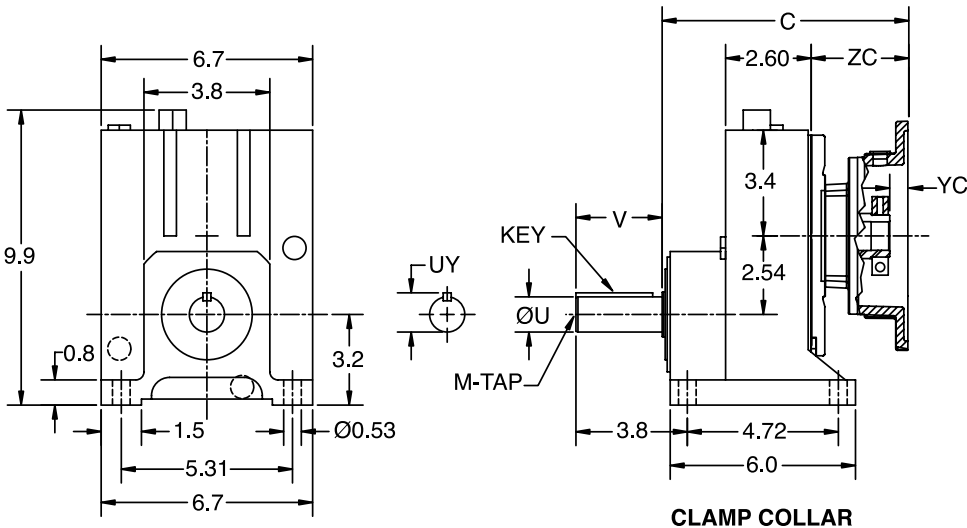
DIMENSIONS



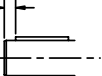
IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB48

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



METRIC OUTPUT SHAFT
VO



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DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB48

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.125	+0.000 -0.001	1.23	2.74	-	1/4 x 1/4 x 2.35	3/8-16 UNC
25	+0.015 +0.002	28	50	7	8 x 7 x 40	M10 x 22

IEC Motor Adapter - Clamp Collar

Dimension - Inch

	H48 Single		YC
	C	ZC	
71D	6.9	2.6	0.16
80D	7.9	3.5	0.61
90D	7.9	3.5	0.61
100D	8.2	3.8	0.28
112D	8.5	4.1	0.28

IEC Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H48 Single		YC
	C	ZC	
80D	12.1	7.7	0.59
90D	12.1	7.7	1.02
100D	13.0	8.6	1.18
112D	13.0	8.6	1.18

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

QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

NOMENCLATURE
PAGE ILH-4

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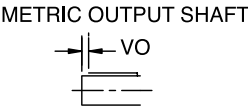
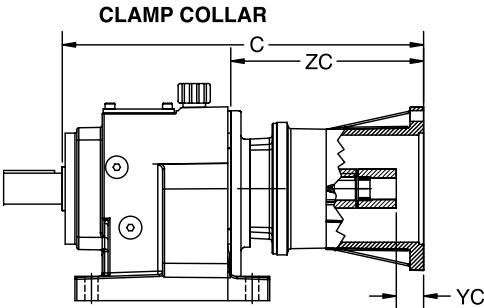
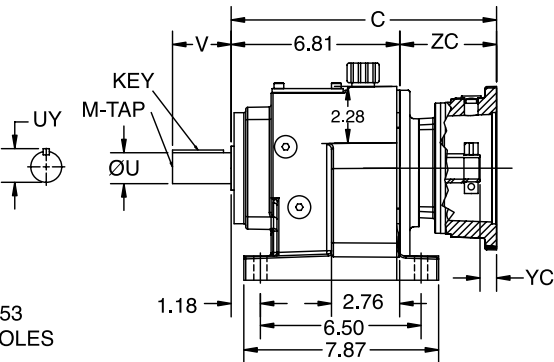
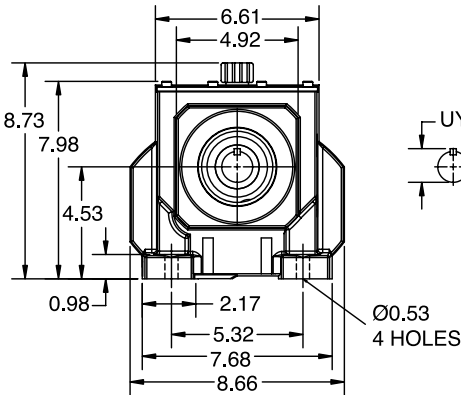
WEIGHTS
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DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)
IEC D Flange (B5 Input) - Foot Mounted - Clamp Collar / 3 Piece Coupled
Double/Triple Reduction

SIZE: HB48



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IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB48

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.250	+0.0000 -0.0005	1.36	2.36	-	1/4 x 1/4 x 2	3/8 - 16 UNC x 0.87
30	+0.015 +0.002	33	60	7	8 x 7 x 50	M10 x 22

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.625	+0.0000 -0.0005	1.79	3.15	-	3/8 x 3/8 x 2-5/8	5/8 - 11 UNC x 1.42
40	+0.018 +0.002	43	80	5	12 x 8 x 70	M16 x 36

IEC Motor Adapter - Clamp Collar

Dimension - Inch

	H48 Double		H48 Triple		YC
	C	ZC	C	ZC	
71D	9.35	2.54	10.02	3.21	0.16
80D	10.30	3.49	10.96	4.15	0.61
90D	10.30	3.49	10.96	4.15	0.61
100D (J)	10.59	3.78	11.26	4.45	0.28
112D (J)	10.93	4.12	-	-	0.28

IEC Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H48 Double		H48 Triple		YC
	C	ZC	C	ZC	
80D	14.53	7.72	15.20	8.39	0.59
90D	14.53	7.72	15.20	8.39	1.02
100D (J)	15.41	8.60	16.08	9.27	1.18
112D (J)	15.37	8.56	-	-	1.18

(J) See Footnotes page on inside back cover

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

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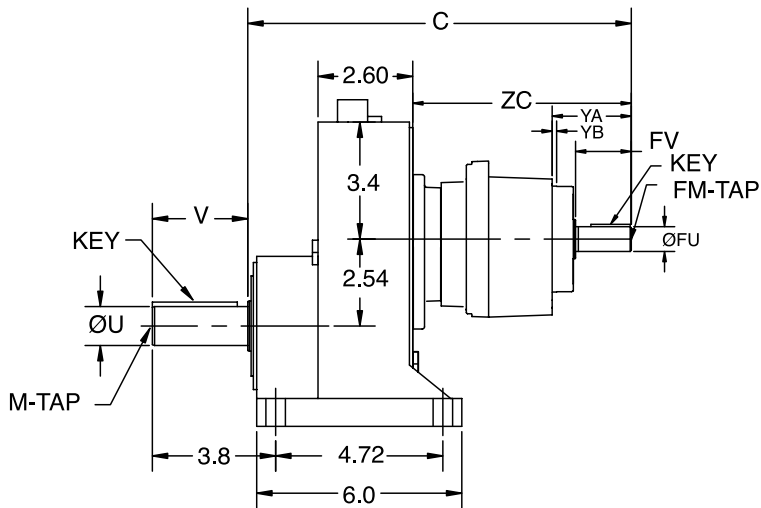
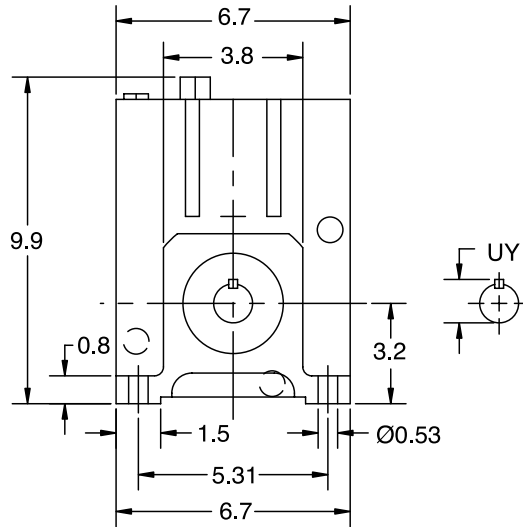
DIMENSIONS



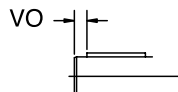
IN-LINE HELICAL GEAR REDUCER (ILH)

Separate - Foot Mounted
Single Reduction

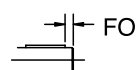
SIZE: HB48



METRIC OUTPUT SHAFT



METRIC INPUT SHAFT



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DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB48

Separate - Foot Mounted
Single Reduction

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.125	+0.000 -0.001	1.23	2.74	-	1/4 x 1/4 x 2.35	3/8-16 UNC
25	+0.015 +0.002	28	50	7	8 x 7 x 40	M10 x 22

Separate Input

Dimension - Inch/MM

	H48 Single		FO	FM x Depth	ØFU	tol.	FV	YA	YB	KEY
	C	ZC								
71	10.1	5.8	-	8-32 UNC x 0.49	0.625	+0.0000 -0.0005	1.57	2.4	0.16	3/16 x 3/16 x 1-5/16
	256	146	4	M5 x 12.5	16	+0.012 +0.001	40			5 x 5 x 32
80	11.5	7.1	-	1/4-20 UNC x 0.63	0.750	+0.0000 -0.0005	1.57	2.4	0.16	3/16 x 3/16 x 1-5/16
	291	181	4	M6 x 16	19	+0.015 +0.002	40			6 x 6 x 32
90	11.9	7.5	-	5/16-18 UNC x 0.75	0.875	+0.0000 -0.0005	1.97	2.8	0.16	3/16 x 3/16 x 1-5/8
	301	191	5	M8 x 19	24	+0.015 +0.002	50			8 x 7 x 40
100	12.5	8.2	-	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
	317	207	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
112	12.5	8.2	-	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
	318	208	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50

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

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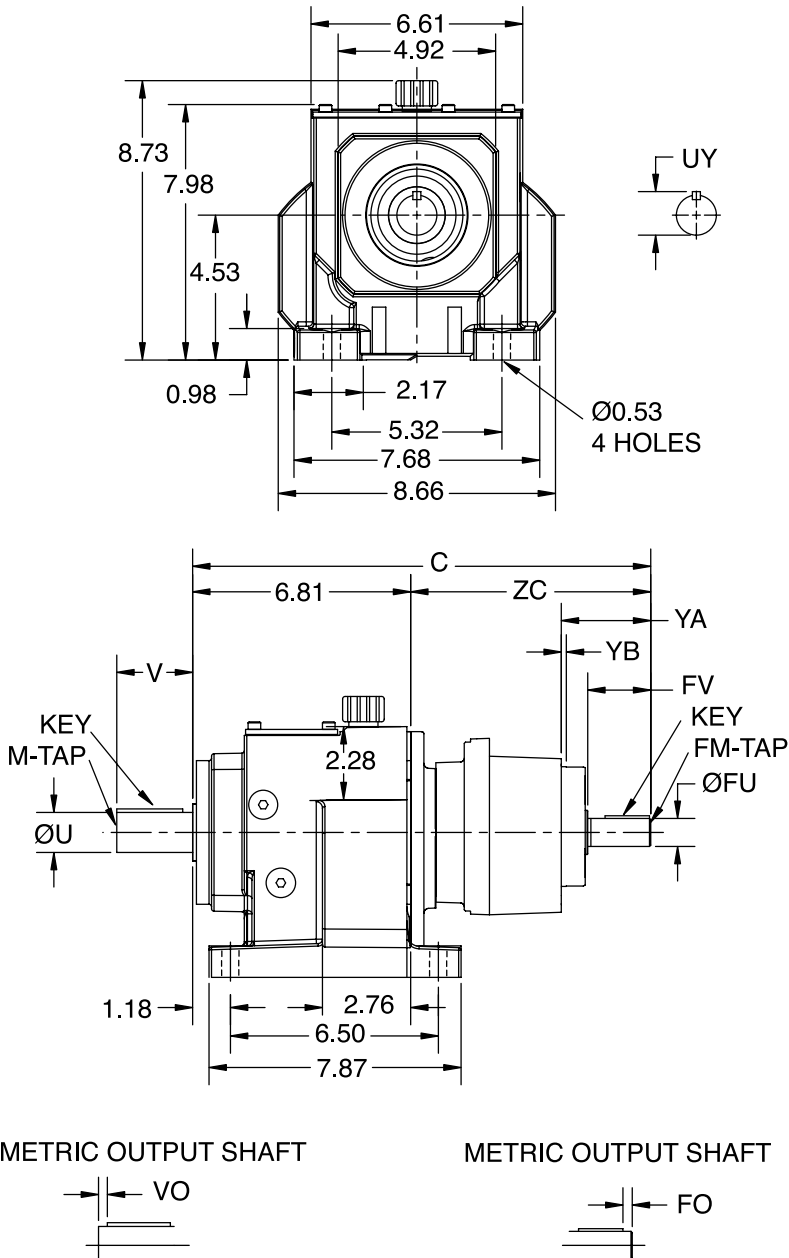
DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

Separate - Foot Mounted
Double/Triple Reduction

SIZE: HB48



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PAGE ILH-343

DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB48

Separate - Foot Mounted

Double/Triple Reduction

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.250	+0.0000 -0.0005	1.36	2.36	-	1/4 x 1/4 x 2	3/8 - 16 UNC x 0.87
30	+0.015 +0.002	33	60	7	8 x 7 x 50	M10 x 22

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.625	+0.0000 -0.0005	1.79	3.15	-	3/8 x 3/8 x 2-5/8	5/8 - 11 UNC x 1.42
40	+0.018 +0.002	43	80	5	12 x 8 x 70	M16 x 36

Separate Input

Dimension - Inch/MM

	H48 Double		H48 Triple		FO	FM x Depth	ØFU	tol.	FV	YA	YB	KEY
	C	ZC	C	ZC								
71	12.56	5.75	13.23	6.42	-	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
	319	146	336	163	4	M5 x 12.5	16	+0.012 +0.001	40			5 x 5 x 32
80	13.94	7.13	14.61	7.80	-	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
	354	181	371	198	4	M6 x 16	19	+0.015 +0.002	40			6 x 6 x 32
90	14.33	7.52	15.00	8.19	-	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
	364	191	381	208	5	M8 x 19	24	+0.015 +0.002	50			8 x 7 x 40
100	14.96	8.15	15.63	8.82	-	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
	380	207	397	224	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
112	15.00	8.19	-	-	-	3/8-16 UNC x 0.87	1.25	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	381	208	-	-	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50

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

NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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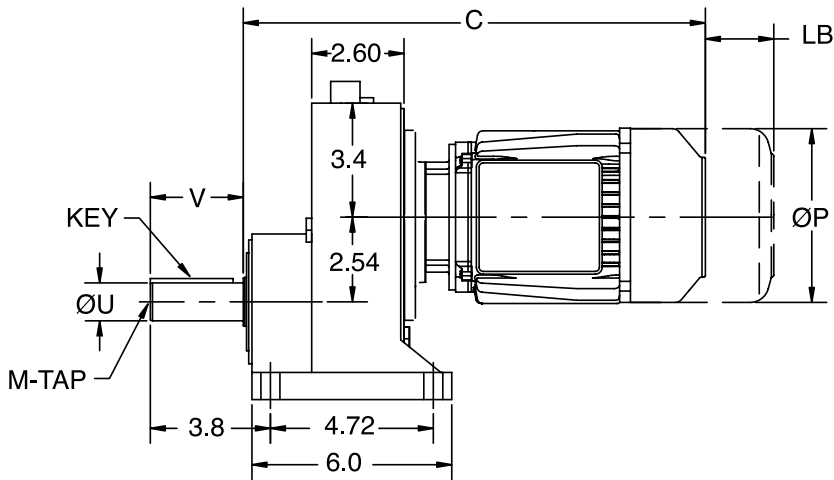
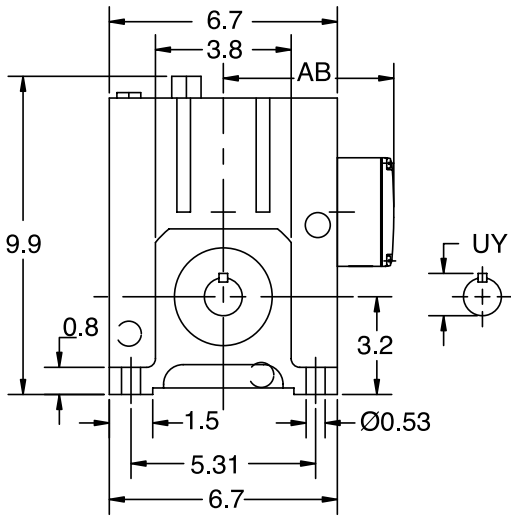
DIMENSIONS



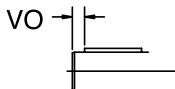
IN-LINE HELICAL GEAR REDUCER (ILH)

Integral Gearmotor - Foot Mounted
Single Reduction

SIZE: HB48



METRIC OUTPUT SHAFT



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PAGE ILH-4

MOUNTING POSITIONS
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STOCK/NON-STOCK PART NUMBERS
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PAGE ILH-343

DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB48

Integral Gearmotor - Foot Mounted

Single Reduction

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.125	+0.000 -0.001	1.23	2.74	-	1/4 x 1/4 x 2.35	3/8-16 UNC
25	+0.015 +0.002	28	50	7	8 x 7 x 40	M10 x 22

Motor

Dimension - Inch/MM

Frame	H48 Single		P	AB
	C	LB		
71C4 / 71D4 / 71E4	14.69	1.81	6.19	5.18
	374	46	158	132
80F4	14.85	2.56	6.19	5.12
	378	65	158	131
80G4	16.35	2.56	6.19	5.12
	416	65	158	131
90H4	16.23	2.52	7.19	5.79
	413	64	183	148
90I4	17.13	2.52	7.19	5.79
	436	64	183	148
100J4	19.12	2.91	7.19	5.79
	486	74	183	148
112L4	20.86	2.91	8.6	6.88
	530	74	219	175

NOMENCLATURE
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DIMENSIONS

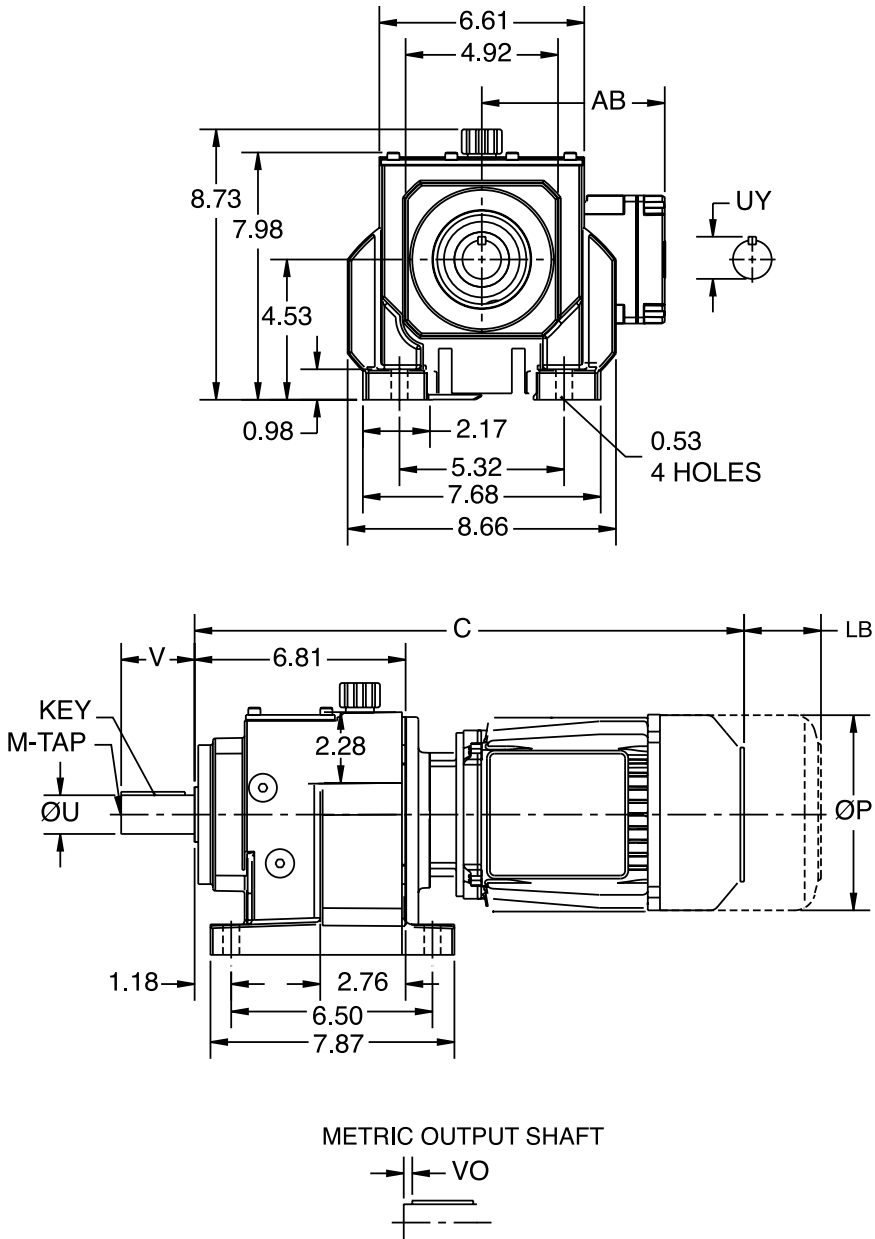


IN-LINE HELICAL GEAR REDUCER (ILH)

Integral Gearmotor - Foot Mounted

Double/Triple Reduction

SIZE: HB48



DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB48

Integral Gearmotor - Foot Mounted

Double/Triple Reduction

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.250	+0.0000 -0.0005	1.36	2.36	-	1/4 x 1/4 x 2	3/8 - 16 UNC x 0.87
30	+0.015 +0.002	33	60	7	8 x 7 x 50	M10 x 22

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.625	+0.0000 -0.0005	1.79	3.15	-	3/8 x 3/8 x 2-5/8	5/8 - 11 UNC x 1.42
40	+0.018 +0.002	43	80	5	12 x 8 x 70	M16 x 36

Motor

Dimension - Inch/MM

Frame	H48 Double		H48 Triple		P	AB
	C	LB	C	LB		
71C4 / 71D4 / 71E4	17.14	1.81	17.81	1.81	6.19	5.18
	436	46	453	46	158	132
80F4	17.28	2.56	17.95	2.56	6.19	5.12
	439	65	456	65	158	131
80G4	18.78	2.56	19.45	2.56	6.19	5.12
	478	65	495	65	158	131
90H4	18.71	2.52	19.38	2.52	7.19	5.79
	476	64	493	64	183	148
90I4	19.59	2.52	20.26	2.52	7.19	5.79
	498	64	515	64	183	148
100J4	21.6	2.91	22.26	2.91	7.19	5.79
	549	74	566	74	183	148
112L4	23.32	2.91	-	-	8.6	6.88
	593	74	-	-	219	175

NOMENCLATURE
PAGE ILH-4

MOUNTING POSITIONS
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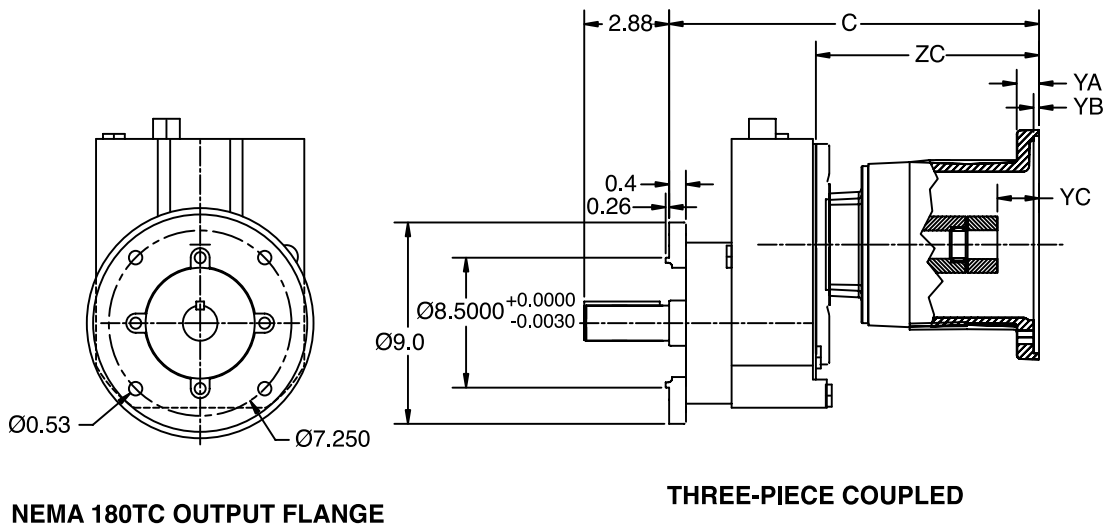
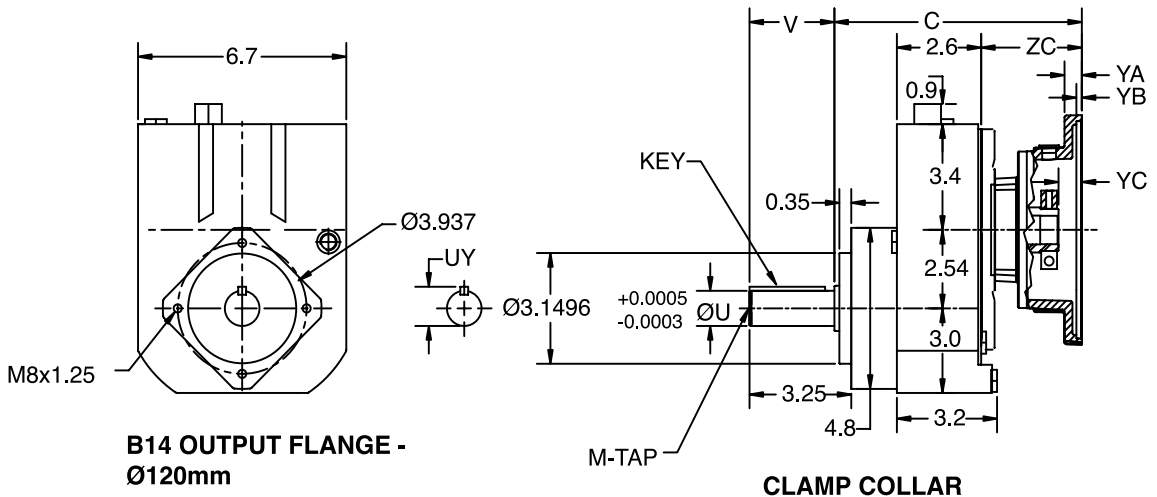
DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF48

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



DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF48

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.125	+0.000 -0.001	1.23	2.74	-	1/4 x 1/4 x 2.35	3/8-16 UNC
25	+0.015 +0.002	28	50	7	8 x 7 x 40	M10 x 22

NEMA Motor Adapter - Clamp Collar

Dimension - Inch

	H48 Single		YA	YB	YC
	C	ZC			
56C	7.6	3.3	0.47	0.20	0.67
140TC	8.3	3.9	0.47	0.20	0.67
180TC	9.9	5.5	0.73	0.22	0.91

NEMA Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H48 Single		YA	YB	YC
	C	ZC			
56C	10.8	6.4	0.55	0.20	1.08
140TC	12.2	7.8	0.55	0.20	1.10
180TC	13.5	9.1	0.73	0.22	1.65

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

QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

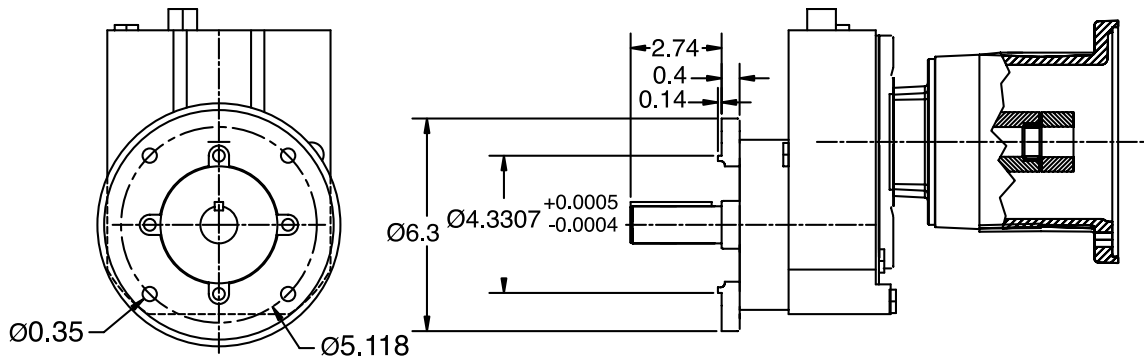
NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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DIMENSIONS

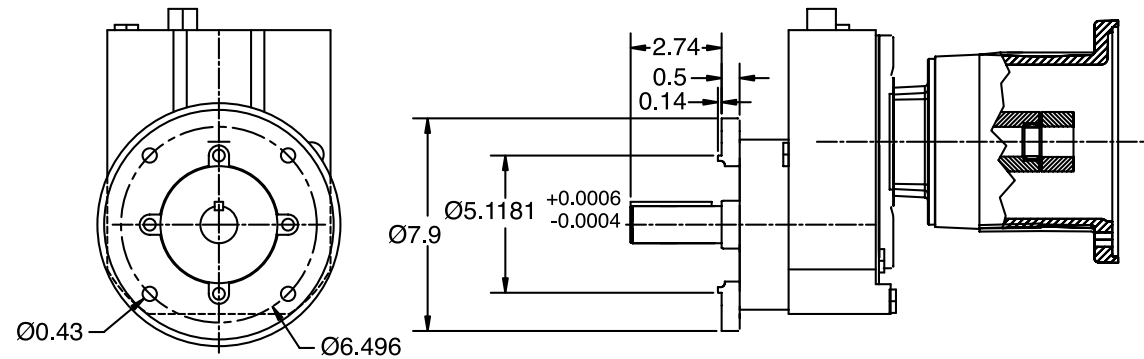


IN-LINE HELICAL GEAR REDUCER (ILH)
NEMA C-Face - Flange Mounted (B5 / B14 / NEMA) - Clamp Collar / 3 Piece Coupled
Single Reduction

SIZE: HF48

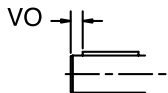


B5 OUTPUT FLANGE -
Ø160mm



B5 OUTPUT FLANGE -
Ø200mm

METRIC OUTPUT SHAFT



Refer to page ILH-174 for additional dimensions

NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF48

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.125	+0.000 -0.001	1.23	2.74	-	1/4 x 1/4 x 2.35	3/8-16 UNC
25	+0.015 +0.002	28	50	7	8 x 7 x 40	M10 x 22

NEMA Motor Adapter - Clamp Collar

Dimension - Inch

	H48 Single		YA	YB	YC
	C	ZC			
56C	7.6	3.3	0.47	0.20	0.67
140TC	8.3	3.9	0.47	0.20	0.67
180TC	9.9	5.5	0.73	0.22	0.91

NEMA Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H48 Single		YA	YB	YC
	C	ZC			
56C	10.8	6.4	0.55	0.20	1.08
140TC	12.2	7.8	0.55	0.20	1.10
180TC	13.5	9.1	0.73	0.22	1.65

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

QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

NOMENCLATURE
PAGE ILH-4

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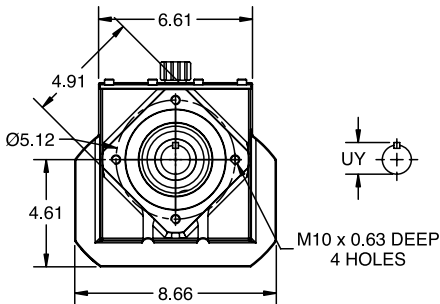
DIMENSIONS



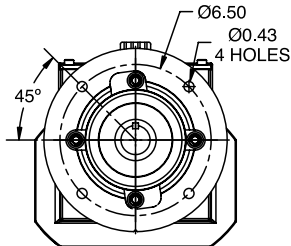
IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF48

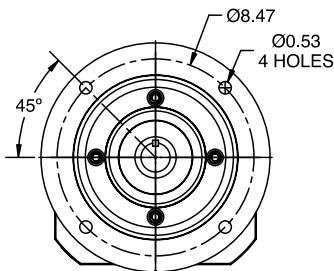
NEMA C-Face - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled
Double/Triple Reduction



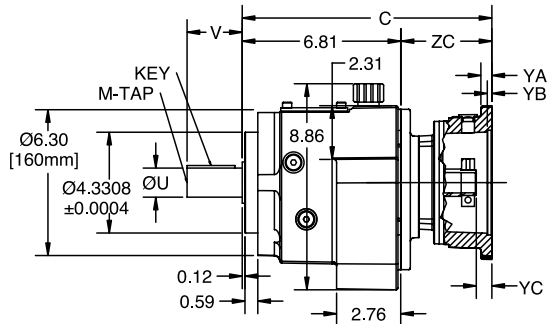
**B14 OUTPUT FLANGE -
Ø160mm**



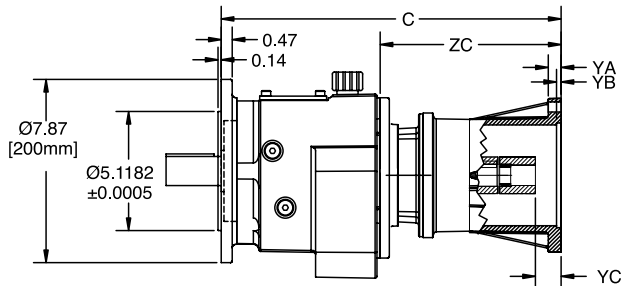
**B5 OUTPUT FLANGE -
Ø200mm**



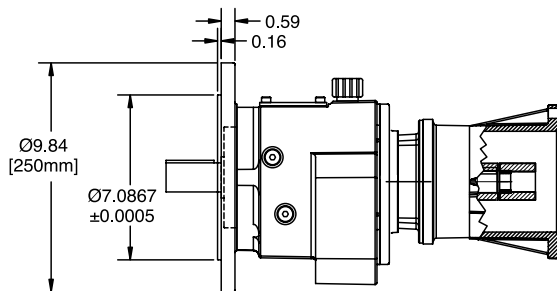
**B5 OUTPUT FLANGE -
Ø250mm**



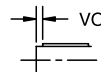
CLAMP COLLAR



THREE-PIECE COUPLED



METRIC OUTPUT SHAFT



NOMENCLATURE
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STOCK/NON-STOCK PART NUMBERS
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IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF48

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.250	+0.0000 -0.0005	1.36	2.36	-	1/4 x 1/4 x 2	3/8 - 16 UNC x 0.87
30	+0.015 +0.002	33	60	7	8 x 7 x 50	M10 x 22

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.625	+0.0000 -0.0005	1.79	3.15	-	3/8 x 3/8 x 2-5/8	5/8 - 11 UNC x 1.42
40	+0.018 +0.002	43	80	5	12 x 8 x 70	M16 x 36

NEMA Motor Adapter - Clamp Collar

Dimension - Inch

	H48 Double		H48 Triple		YA	YB	YC
	C	ZC	C	ZC			
56C	10.06	3.25	10.73	3.92	0.47	0.20	0.67
140TC	10.73	3.92	11.40	4.59	0.47	0.20	0.67
180TC	12.30	5.49	12.97	6.16	0.73	0.22	0.91

NEMA Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H48 Double		H48 Triple		YA	YB	YC
	C	ZC	C	ZC			
56C	13.19	6.38	13.86	7.05	0.55	0.20	1.08
140TC	14.61	7.80	15.28	8.46	0.55	0.20	1.10
180TC	15.89	9.08	16.56	9.75	0.73	0.22	1.65

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

NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF48

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.125	+0.000 -0.001	1.23	2.74	-	1/4 x 1/4 x 2.35	3/8-16 UNC
25	+0.015 +0.002	28	50	7	8 x 7 x 40	M10 x 22

IEC Motor Adapter - Clamp Collar

Dimension - Inch

	H48 Single		YC
	C	ZC	
71D	6.9	2.6	0.16
80D	7.9	3.5	0.61
90D	7.9	3.5	0.61
100D	8.2	3.8	0.28
112D	8.5	4.1	0.28

IEC Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H48 Single		YC
	C	ZC	
80D	12.1	7.7	0.59
90D	12.1	7.7	1.02
100D	13.0	8.6	1.18
112D	13.0	8.6	1.18

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

QUANTIS

QUANTIS GOLD

ILH

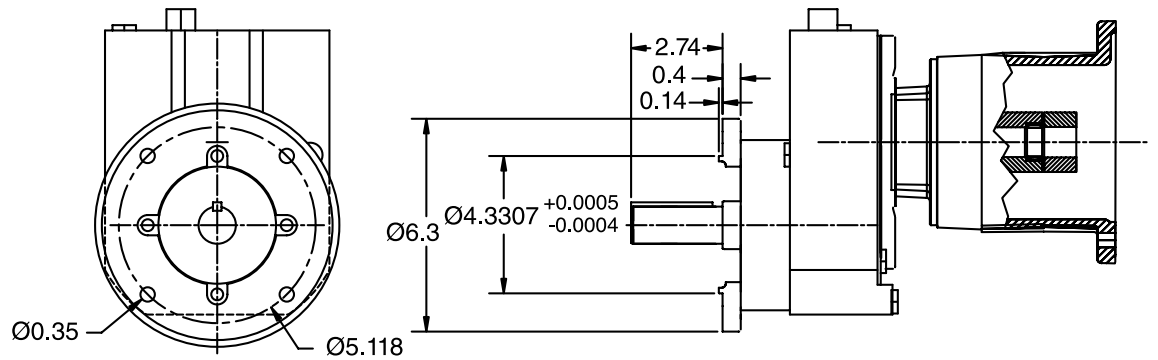
RHB

MSM

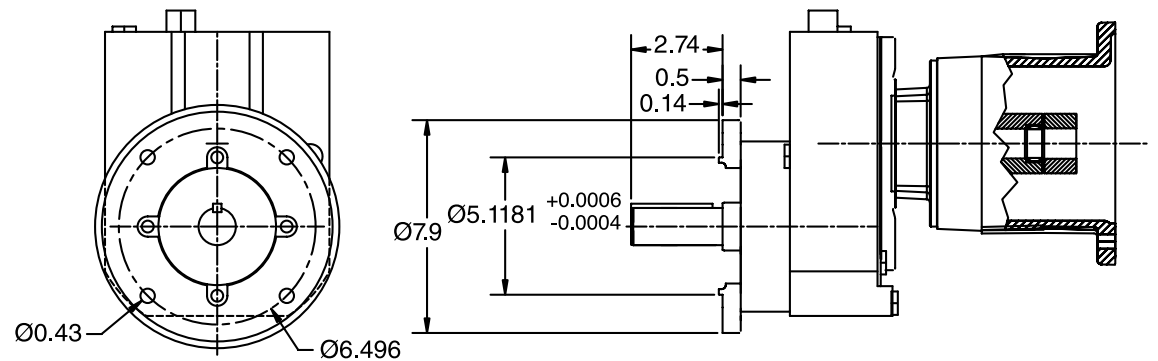
DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH) SIZE: HF48 IEC D Flange (B5 Input) - Flange Mounted (B5/B14/NEMA) - Clamp Collar / 3 Piece Coupled Single Reduction

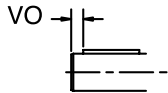


B5 OUTPUT FLANGE
Ø160mm



B5 OUTPUT FLANGE
Ø200mm

METRIC OUTPUT SHAFT



Refer to page ILH-180 for additional dimensions

NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF48

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.125	+0.000 -0.001	1.23	2.74	-	1/4 x 1/4 x 2.35	3/8-16 UNC
25	+0.015 +0.002	28	50	7	8 x 7 x 40	M10 x 22

IEC Motor Adapter - Clamp Collar

Dimension - Inch

	H48 Single		YC
	C	ZC	
71D	6.9	2.6	0.16
80D	7.9	3.5	0.61
90D	7.9	3.5	0.61
100D	8.2	3.8	0.28
112D	8.5	4.1	0.28

IEC Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H48 Single		YC
	C	ZC	
80D	12.1	7.7	0.59
90D	12.1	7.7	1.02
100D	13.0	8.6	1.18
112D	13.0	8.6	1.18

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

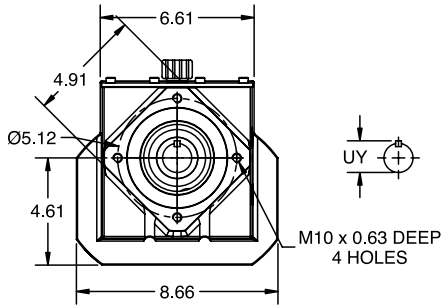
DIMENSIONS



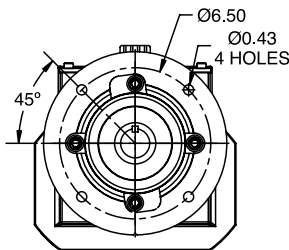
IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF48

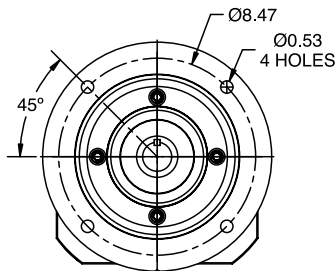
IEC D Flange (B5 Flange) - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled
Double/Triple Reduction



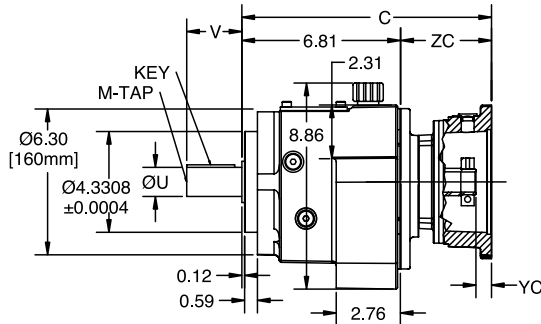
**B14 OUTPUT FLANGE -
Ø160mm**



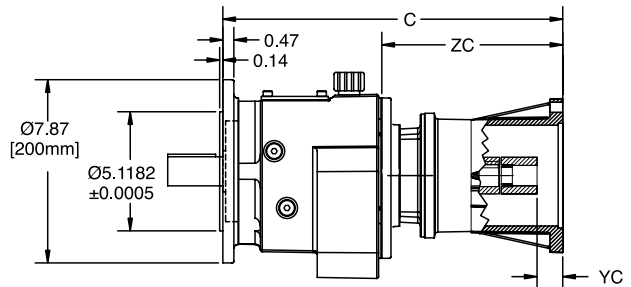
**B5 OUTPUT FLANGE -
Ø200mm**



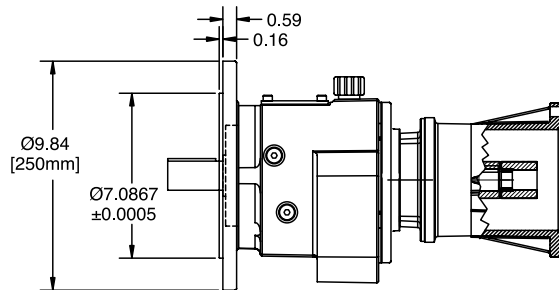
**B5 OUTPUT FLANGE -
Ø250mm**



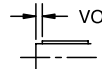
CLAMP COLLAR



THREE-PIECE COUPLED



METRIC OUTPUT SHAFT



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF48

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.250	+0.0000 -0.0005	1.36	2.36	-	1/4 x 1/4 x 2	3/8 - 16 UNC x 0.87
30	+0.015 +0.002	33	60	7	8 x 7 x 50	M10 x 22

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.625	+0.0000 -0.0005	1.79	3.15	-	3/8 x 3/8 x 2-5/8	5/8 - 11 UNC x 1.42
40	+0.018 +0.002	43	80	5	12 x 8 x 70	M16 x 36

IEC Motor Adapter - Clamp Collar

Dimension - Inch

	H48 Double		H48 Triple		YA	YB	YC
	C	ZC	C	ZC			
71D	9.35	2.54	10.02	3.21	0.39	0.18	0.16
80D	10.30	3.49	10.96	4.15	0.61	0.18	0.61
90D	10.30	3.49	10.96	4.15	0.61	0.18	0.61
100D	10.59	3.78	11.26	4.45	0.81	0.20	0.28
112D	10.93	4.12	-	-	0.75	0.20	0.28

IEC Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H48 Double		H48 Triple		YA	YB	YC
	C	ZC	C	ZC			
80D	14.53	7.72	15.20	8.39	0.67	0.18	0.59
90D	14.53	7.72	15.20	8.39	0.67	0.18	1.02
100D	15.41	8.60	16.08	9.27	0.75	0.20	1.18
112D	15.37	8.56	-	-	0.75	0.20	1.18

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

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DIMENSIONS

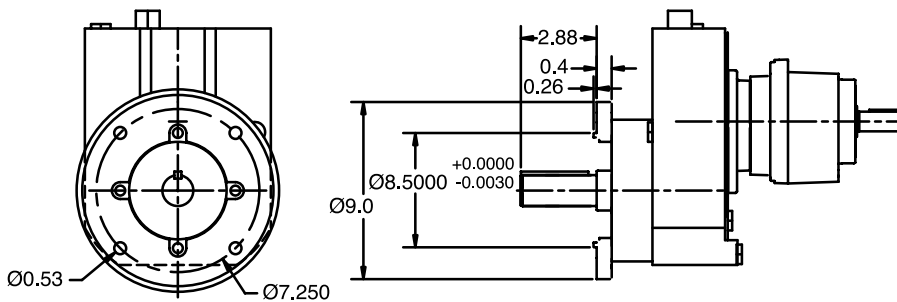
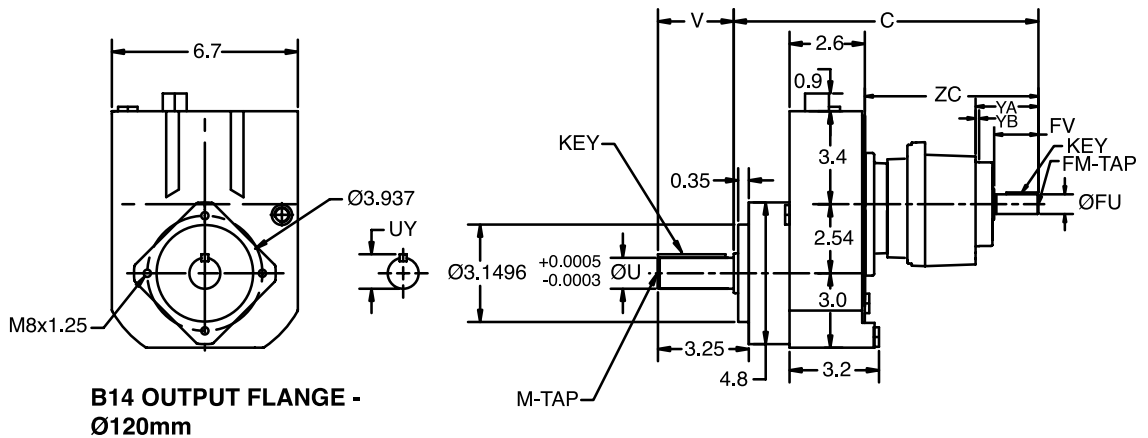


IN-LINE HELICAL GEAR REDUCER (ILH)

Separate - Flange Mounted (B5 / B14 / NEMA)

Single Reduction

SIZE: HF48



NEMA 180TC OUTPUT FLANGE

NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF48

Separate - Flange Mounted (B5 / B14 / NEMA)

Single Reduction

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.125	+0.000 -0.001	1.23	2.74	-	1/4 x 1/4 x 2.35	3/8-16 UNC
25	+0.015 +0.002	28	50	7	8 x 7 x 40	M10 x 22

Separate Input

Dimension - Inch/MM

	H48 Single		FO	FM x Depth	ØFU	tol.	FV	YA	YB	KEY
	C	ZC								
71	10.1	5.8	-	8-32 UNC x 0.49	0.625	+0.0000 -0.0005	1.57	2.4	0.16	3/16 x 3/16 x 1-5/16
	256	146	4	M5 x 12.5	16	+0.012 +0.001	40			5 x 5 x 32
80	11.5	7.1	-	1/4-20 UNC x 0.63	0.750	+0.0000 -0.0005	1.57	2.4	0.16	3/16 x 3/16 x 1-5/16
	291	181	4	M6 x 16	19	+0.015 +0.002	40			6 x 6 x 32
90	11.9	7.5	-	5/16-18 UNC x 0.75	0.875	+0.0000 -0.0005	1.97	2.8	0.16	3/16 x 3/16 x 1-5/8
	301	191	5	M8 x 19	24	+0.015 +0.002	50			8 x 7 x 40
100	12.5	8.2	-	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
	317	207	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
112	12.5	8.2	-	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
	318	208	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50

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

NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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DIMENSIONS

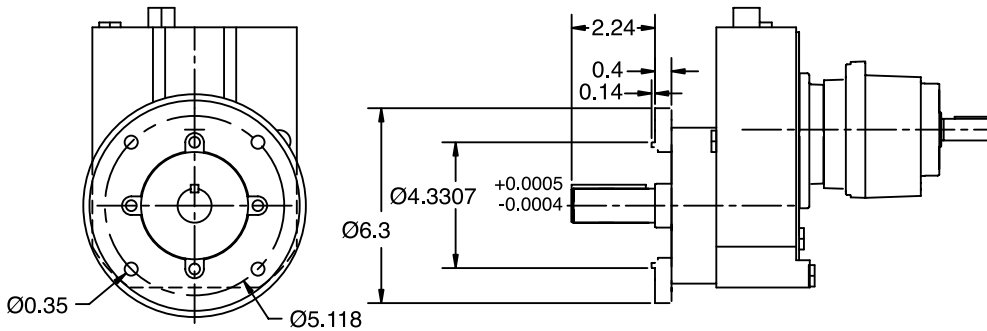


IN-LINE HELICAL GEAR REDUCER (ILH)

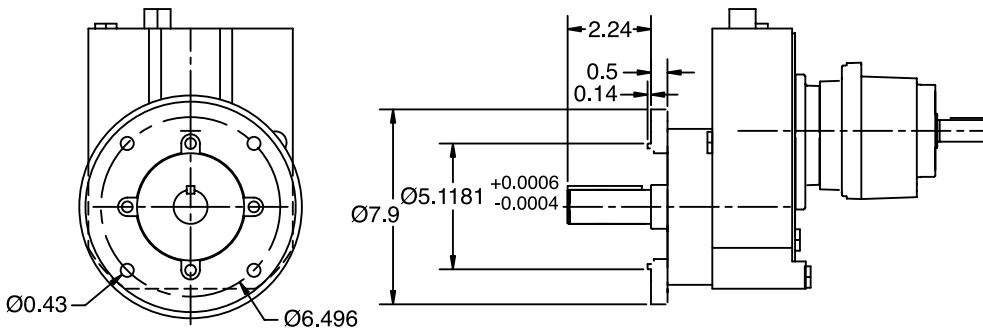
Separate - Flange Mounted (B5 / B14 / NEMA)

Single Reduction

SIZE: HF48

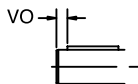


**B5 OUTPUT FLANGE -
Ø160mm**

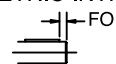


**B5 OUTPUT FLANGE -
Ø200mm**

METRIC OUTPUT SHAFT



METRIC INPUT SHAFT



Refer to page ILH-186 for additional dimensions

NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF48

Separate - Flange Mounted (B5 / B14 / NEMA)

Single Reduction

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.125	+0.000 -0.001	1.23	2.74	-	1/4 x 1/4 x 2.35	3/8-16 UNC
25	+0.015 +0.002	28	50	7	8 x 7 x 40	M10 x 22

Separate Input

Dimension - Inch/MM

	H48 Single		FO	FM x Depth	ØFU	tol.	FV	YA	YB	KEY
	C	ZC								
71	10.1	5.8	-	8-32 UNC x 0.49	0.625	+0.0000 -0.0005	1.57	2.4	0.16	3/16 x 3/16 x 1-5/16
	256	146	4	M5 x 12.5	16	+0.012 +0.001	40			5 x 5 x 32
80	11.5	7.1	-	1/4-20 UNC x 0.63	0.750	+0.0000 -0.0005	1.57	2.4	0.16	3/16 x 3/16 x 1-5/16
	291	181	4	M6 x 16	19	+0.015 +0.002	40			6 x 6 x 32
90	11.9	7.5	-	5/16-18 UNC x 0.75	0.875	+0.0000 -0.0005	1.97	2.8	0.16	3/16 x 3/16 x 1-5/8
	301	191	5	M8 x 19	24	+0.015 +0.002	50			8 x 7 x 40
100	12.5	8.2	-	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
	317	207	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
112	12.5	8.2	-	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
	318	208	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50

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

NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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DIMENSIONS

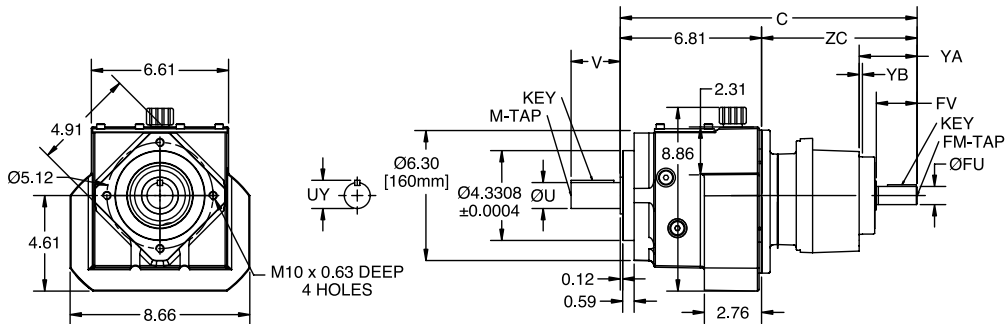


IN-LINE HELICAL GEAR REDUCER (ILH)

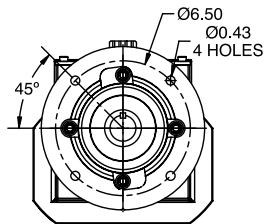
Separate - Flange Mounted (B5 / B14)

Double/Triple Reduction

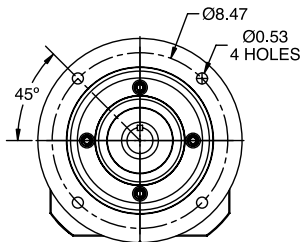
SIZE: HF48



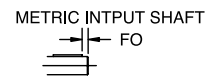
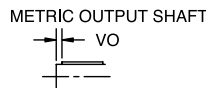
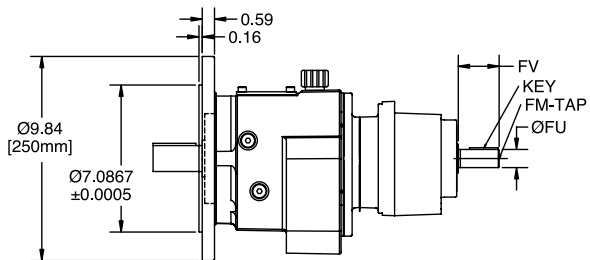
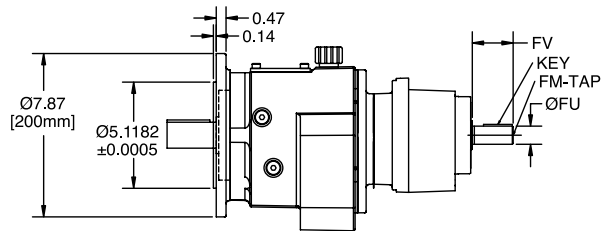
**B14 OUTPUT FLANGE -
Ø160mm**



**B5 OUTPUT FLANGE
- Ø200mm**



**B5 OUTPUT FLANGE
- Ø250mm**



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF48

Separate - Flange Mounted (B5 / B14)

Double/Triple Reduction

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.250	+0.0000 -0.0005	1.36	2.36	-	1/4 x 1/4 x 2	3/8 - 16 UNC x 0.87
30	+0.015 +0.002	33	60	7	8 x 7 x 50	M10 x 22

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.625	+0.0000 -0.0005	1.79	3.15	-	3/8 x 3/8 x 2-5/8	5/8 - 11 UNC x 1.42
40	+0.018 +0.002	43	80	5	12 x 8 x 70	M16 x 36

Separate Input

Dimension - Inch/MM

	H48 Double		H48 Triple		FO	FM x Depth	ØFU	tol.	FV	YA	YB	KEY
	C	ZC	C	ZC								
71	12.56	5.75	13.23	6.42	-	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
	319	146	336	163	4	M5 x 12.5	16	+0.012 +0.001	40			5 x 5 x 32
80	13.94	7.13	14.61	7.80	-	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
	354	181	371	198	4	M6 x 16	19	+0.015 +0.002	40			6 x 6 x 32
90	14.33	7.52	15.00	8.19	-	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
	364	191	381	208	5	M8 x 19	24	+0.015 +0.002	50			8 x 7 x 40
100	14.96	8.15	15.63	8.82	-	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
	380	207	397	224	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
112	15.00	8.19	-	-	-	3/8 x UNC x 0.87	1.25	+0.0000 -0.0005	2.36	3.27	0.16	1/4 x 1/4 x 2
	381	208	-	-	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50

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

NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH) Integral Gearmotor - Flange Mounted (B5 / B14 / NEMA) Single Reduction

SIZE: HF48

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.125	+0.000 -0.001	1.23	2.74	-	1/4 x 1/4 x 2.35	3/8-16 UNC
25	+0.015 +0.002	28	50	7	8 x 7 x 40	M10 x 22

Motor

Dimension - Inch/MM

Frame	H48 Single		P	AB
	C	LB		
71C4 / 71D4 / 71E4	14.69	1.81	6.19	5.18
	374	46	158	132
80F4	14.85	2.56	6.19	5.12
	378	65	158	131
80G4	16.35	2.56	6.19	5.12
	416	65	158	131
90H4	16.23	2.52	7.19	5.79
	413	64	183	148
90I4	17.13	2.52	7.19	5.79
	436	64	183	148
100J4	19.12	2.91	7.19	5.79
	486	74	183	148
112L4	20.86	2.91	8.6	6.88
	530	74	219	175

NOMENCLATURE
PAGE ILH-4

MOUNTING POSITIONS
PAGE ILH-7

STOCK/NON-STOCK PART NUMBERS
PAGE ILH-67

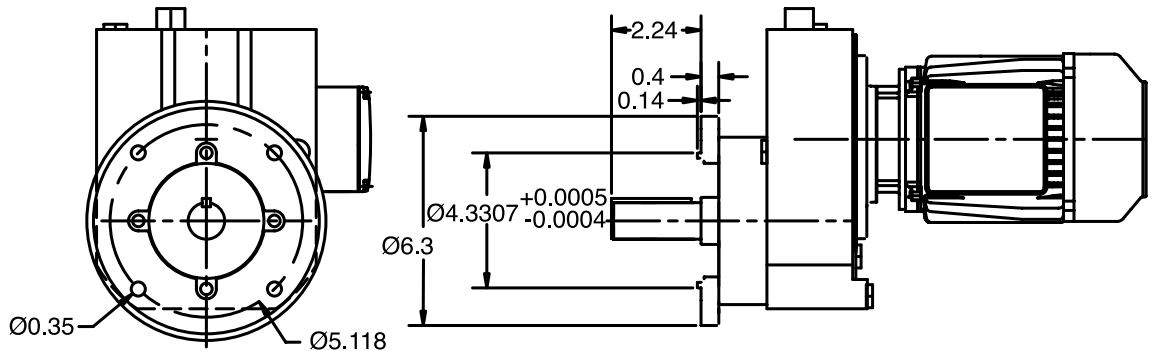
WEIGHTS
PAGE ILH-343

DIMENSIONS

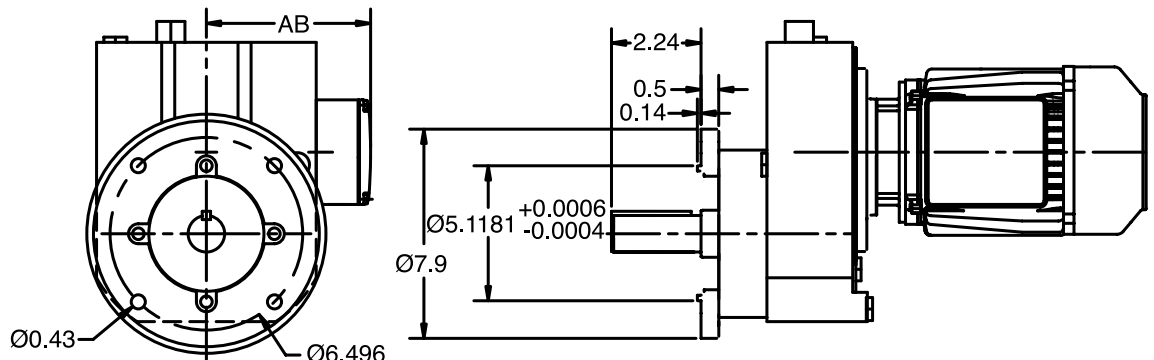


IN-LINE HELICAL GEAR REDUCER (ILH)
Integral Gearmotor - Flange Mounted (B5 / B14 / NEMA)
Single Reduction

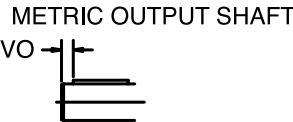
SIZE: HF48



B5 OUTPUT FLANGE-
Ø160mm



B5 OUTPUT FLANGE-
Ø200mm



Refer to page ILH-192 for additional dimensions

NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH) Integral Gearmotor - Flange Mounted (B5 / B14 / NEMA) Single Reduction

SIZE: HF48

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.125	+0.000 -0.001	1.23	2.74	-	1/4 x 1/4 x 2.35	3/8-16 UNC
25	+0.015 +0.002	28	50	7	8 x 7 x 40	M10 x 22

Motor

Dimension - Inch/MM

Frame	H48 Single		P	AB
	C	LB		
71C4 / 71D4 / 71E4	14.69	1.81	6.19	5.18
	374	46	158	132
80F4	14.85	2.56	6.19	5.12
	378	65	158	131
80G4	16.35	2.56	6.19	5.12
	416	65	158	131
90H4	16.23	2.52	7.19	5.79
	413	64	183	148
90I4	17.13	2.52	7.19	5.79
	436	64	183	148
100J4	19.12	2.91	7.19	5.79
	486	74	183	148
112L4	20.86	2.91	8.6	6.88
	530	74	219	175

DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH) Integral Gearmotor - Flange Mounted (B5 / B14) Double/Triple Reduction

SIZE: HF48

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.250	+0.0000 -0.0005	1.36	2.36	-	1/4 x 1/4 x 2	3/8 - 16 UNC x 0.87
30	+0.015 +0.002	33	60	7	8 x 7 x 50	M10 x 22

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.625	+0.0000 -0.0005	1.79	3.15	-	3/8 x 3/8 x 2-5/8	5/8 - 11 UNC x 1.42
40	+0.018 +0.002	43	80	5	12 x 8 x 70	M16 x 36

Motor

Dimension - Inch/MM

Frame	H48 Double		H48 Triple		P	AB
	C	LB	C	LB		
71C4 / 71D4 / 71E4	17.14	1.81	17.81	1.81	6.19	5.18
	436	46	453	46	158	132
80F4	17.28	2.56	17.95	2.56	6.19	5.12
	439	65	456	65	158	131
80G4	18.78	2.56	19.45	2.56	6.19	5.12
	478	65	495	65	158	131
90H4	18.71	2.52	19.38	2.52	7.19	5.79
	476	64	493	64	183	148
90I4	19.59	2.52	20.26	2.52	7.19	5.79
	498	64	515	64	183	148
100J4	21.6	2.91	22.26	2.91	7.19	5.79
	549	74	566	74	183	148
112L4	23.32	2.91	-	-	8.6	6.88
	593	74	-	-	219	175

NOMENCLATURE
PAGE ILH-4

MOUNTING POSITIONS
PAGE ILH-7

STOCK/NON-STOCK PART NUMBERS
PAGE ILH-67

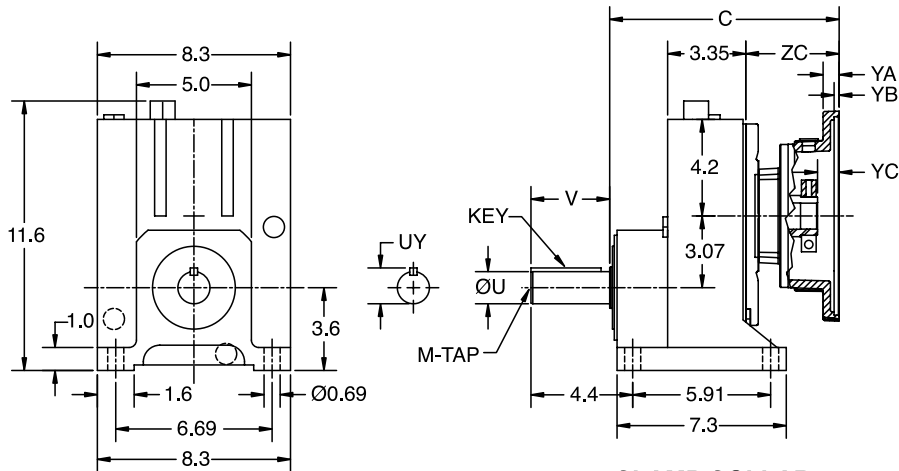
WEIGHTS
PAGE ILH-343

DIMENSIONS

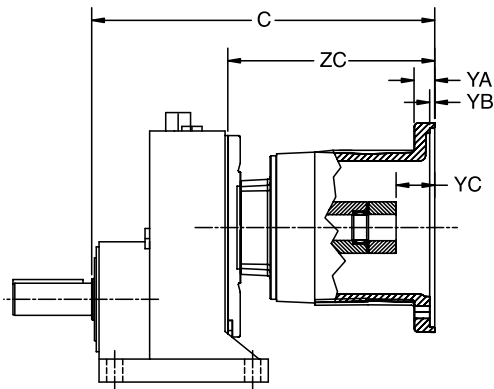


IN-LINE HELICAL GEAR REDUCER (ILH) NEMA C-Face - Foot Mounted - Clamp Collar / 3 Piece Coupled Single Reduction

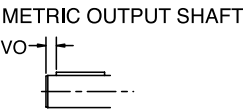
SIZE: HB68



CLAMP COLLAR



THREE-PIECE COUPLED



NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB68

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.375	+0.000 -0.001	1.51	3.37	-	5/16 x 5/16 x 3.00	3/8-16 UNC
30	+0.015 +0.002	33	60	7	8 x 7 x 50	M10 x 22

NEMA Motor Adapter - Clamp Collar

Dimension - Inch

	H68 Single		YA	YB	YC
	C	ZC			
56C	8.9	3.0	0.47	0.20	0.67
140TC	9.6	3.7	0.47	0.20	0.67
180TC	11.0	5.2	0.73	0.22	0.91
210TC	12.9	7.1	0.69	0.22	0.89

NEMA Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H68 Single		YA	YB	YC
	C	ZC			
56C	12.0	6.2	0.55	0.20	1.08
140TC	13.4	7.6	0.55	0.20	1.10
180TC	14.6	8.8	0.73	0.22	1.65
210TC	16.6	10.7	0.87	0.22	2.01

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

QUANTIS

QUANTIS GOLD

ILH

RHB

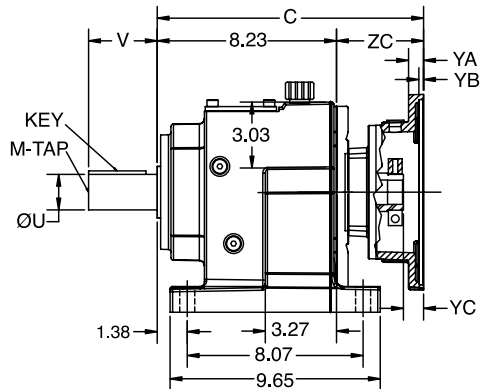
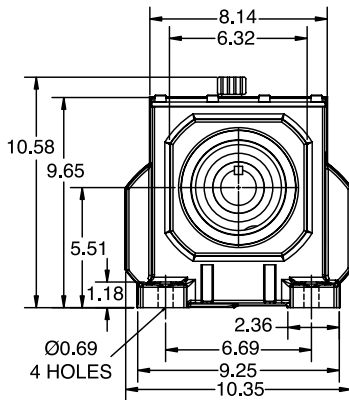
MSM

DIMENSIONS

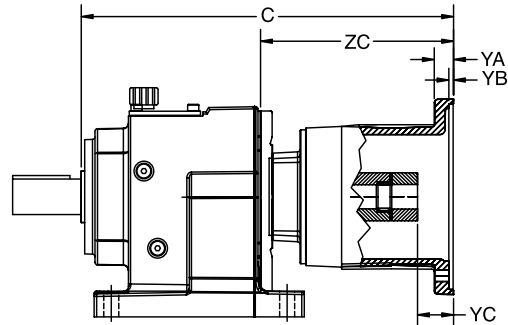


IN-LINE HELICAL GEAR REDUCER (ILH)
NEMA C-Face - Foot Mounted - Clamp Collar / 3 Piece Coupled
Double/Triple Reduction

SIZE: HB68

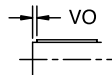


CLAMP COLLAR



THREE-PIECE COUPLED

METRIC OUTPUT SHAFT



NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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IN-LINE HELICAL GEAR REDUCER (ILH) NEMA C-Face - Foot Mounted - Clamp Collar / 3 Piece Coupled Double/Triple Reduction

SIZE: HB68

Standard Output Shaft					Dimension - Inch/MM	
ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.625	+0.0000 -0.0010	1.79	3.15	-	3/8 x 3/8 x 2-5/8	5/8 - 11 UNC x 1.42
40	+0.018 +0.002	43	80	5	12 x 8 x 70	M16 x 36

Optional Output Shaft					Dimension - Inch/MM	
ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.125	+0.0000 -0.0010	2.35	3.94	-	1/2 x 1/2 x 3-1/4	3/4 - 10 UNC x 1.65
50	+0.018 +0.002	54	100	10	14 x 9 x 80	M16 x 36

NEMA Motor Adapter - Clamp Collar					Dimension - Inch		
	H68 Double		H68 Triple		YA	YB	YC
	C	ZC	C	ZC			
56C	11.24	3.01	11.97	3.74	0.47	0.20	0.67
140TC	11.91	3.68	12.64	4.41	0.47	0.20	0.67
180TC	13.41	5.18	14.21	5.98	0.73	0.22	0.91
210TC	15.33	7.10	-	-	0.69	0.22	0.89

NEMA Motor Adapter - 3 Piece Coupled					Dimension - Inch		
	H68 Double		H68 Triple		YA	YB	YC
	C	ZC	C	ZC			
56C	14.37	6.14	15.10	6.87	0.55	0.20	1.08
140TC	15.79	7.56	16.52	8.29	0.55	0.20	1.10
180TC	16.99	8.76	17.80	9.57	0.73	0.22	1.65
210TC	19.14	10.91	-	-	0.87	0.22	2.01

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

NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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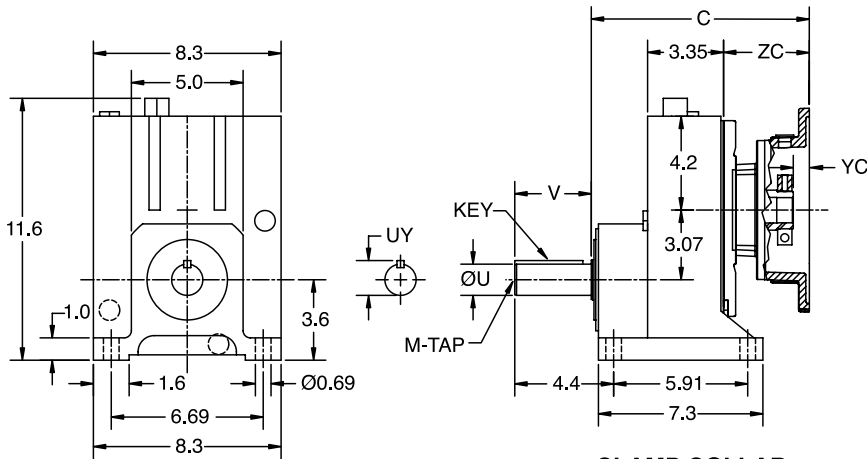
DIMENSIONS



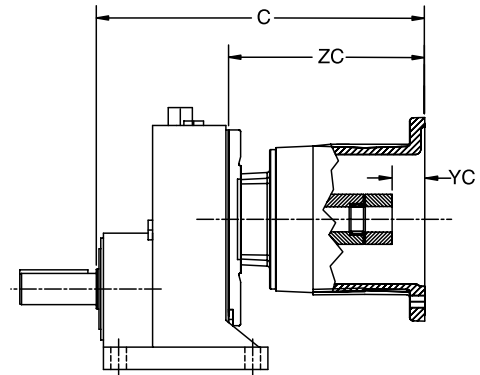
IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB68

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

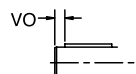


CLAMP COLLAR



THREE-PIECE COUPLED

METRIC OUTPUT SHAFT



NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB68

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.375	+0.000 -0.001	1.51	3.37	-	5/16 x 5/16 x 3.00	3/8-16 UNC
30	+0.015 +0.002	33	60	7	8 x 7 x 50	M10 x 22

IEC Motor Adapter - Clamp Collar

Dimension - Inch

	H68 Single		YC
	C	ZC	
71D	8.2	2.3	0.16
80D	9.1	3.3	0.61
90D	9.1	3.3	0.61
100D	9.4	3.6	0.28
112D	9.7	3.8	0.28
132D	11.3	5.4	0.87

IEC Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H68 Single		YC
	C	ZC	
80D	13.4	7.5	0.59
90D	13.4	7.5	1.02
100D	14.2	8.4	1.18
112D	14.1	8.3	1.18
132D	16.5	10.7	1.77

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

QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

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PAGE ILH-4

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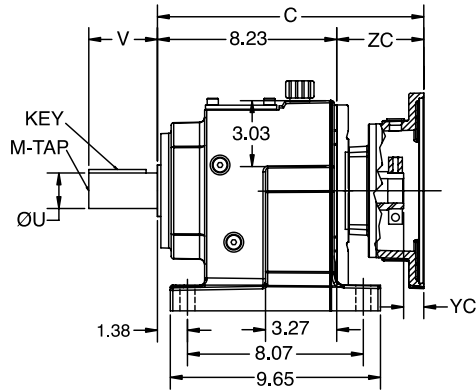
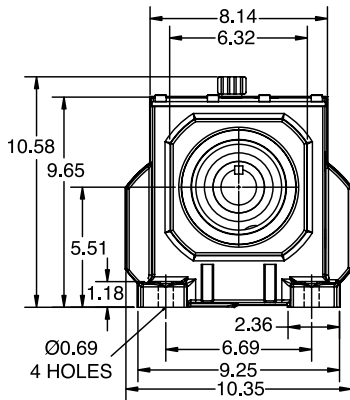
DIMENSIONS



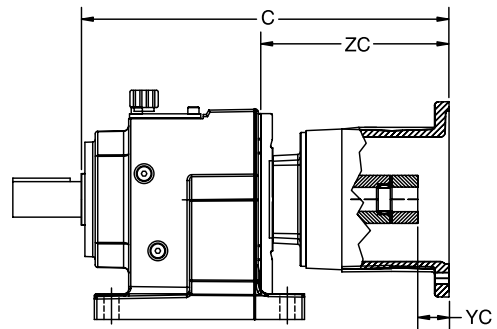
IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB68

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

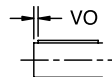


CLAMP COLLAR



THREE-PIECE COUPLED

METRIC OUTPUT SHAFT



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MOUNTING POSITIONS
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IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB68

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.625	+0.0000 -0.0010	1.79	3.15	-	3/8 x 3/8 x 2-5/8	5/8 - 11 UNC x 1.42
40	+0.018 +0.002	43	80	5	12 x 8 x 70	M16 x 36

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.125	+0.0000 -0.0010	2.35	3.94	-	1/2 x 1/2 x 3-1/4	3/4 - 10 UNC x 1.65
50	+0.018 +0.002	54	100	10	14 x 9 x 80	M16 x 36

IEC Motor Adapter - Clamp Collar

Dimension - Inch

	H68 Double		H68 Triple		YC
	C	ZC	C	ZC	
71D	10.53	2.30	11.26	3.03	0.16
80D	11.48	3.25	12.21	3.98	0.61
90D	11.48	3.25	12.21	3.98	0.61
100D	11.77	3.54	12.50	4.27	0.28
112D	12.03	3.80	-	-	0.28
132D (J)	13.64	5.41	-	-	0.87

IEC Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H68 Double		H68 Triple		YC
	C	ZC	C	ZC	
80D	15.71	7.48	16.44	8.21	0.59
90D	15.71	7.48	16.44	8.21	1.02
100D	16.60	8.37	17.32	9.09	1.18
112D	16.48	8.25	-	-	1.18
132D (J)	18.90	10.67	-	-	1.77

(J) See Footnote page on inside back cover

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

NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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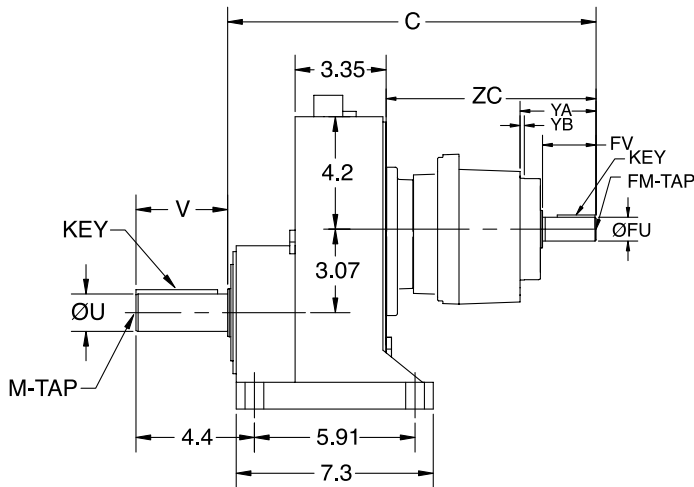
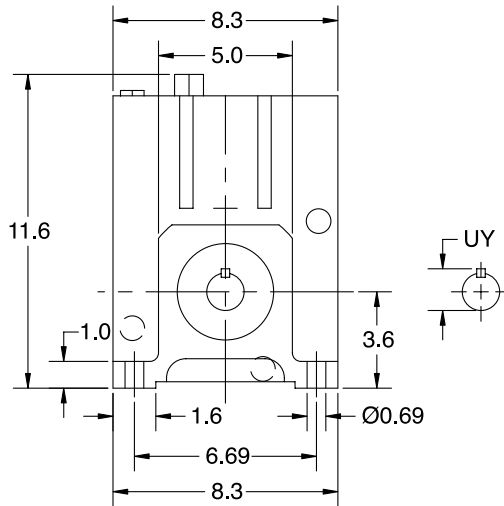
DIMENSIONS



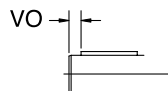
IN-LINE HELICAL GEAR REDUCER (ILH)

Separate - Foot Mounted
Single Reduction

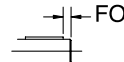
SIZE: HB68



METRIC OUTPUT SHAFT



METRIC INPUT SHAFT



DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB68

Separate - Foot Mounted
Single Reduction

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.375	+0.000 -0.001	1.51	3.37	-	5/16 x 5/16 x 3.00	3/8-16 UNC
30	+0.015 +0.002	33	60	7	8 x 7 x 50	M10 x 22

Separate Input

Dimension - Inch/MM

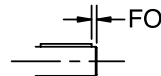
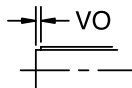
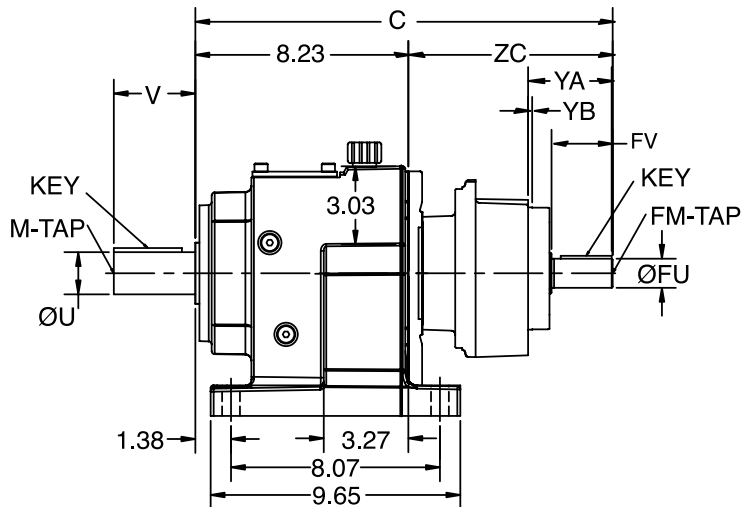
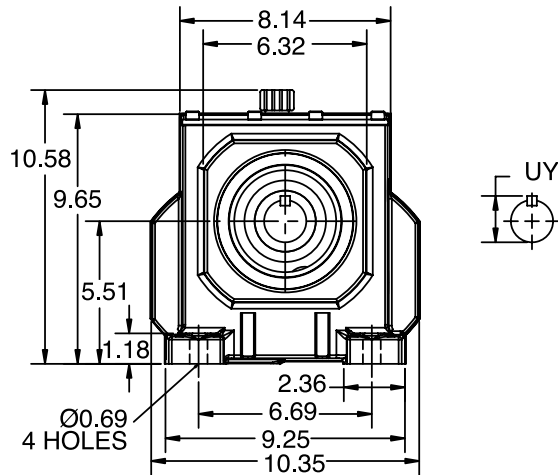
	H68 Single		FO	FM x Depth	ØFU	tol.	FV	YA	YB	KEY
	C	ZC								
71	11.4	5.5	-	8-32 UNC x 0.49	0.625	+0.0000 -0.0005	1.57	2.4	0.16	3/16 x 3/16 x 1-5/16
	288	140	4	M5 x 12.5	16	+0.012 +0.001	40			5 x 5 x 32
80	12.7	6.9	-	1/4-20 UNC x 0.63	0.75	+0.0000 -0.0005	1.57	2.4	0.16	3/16 x 3/16 x 1-5/16
	323	175	4	M6 x 16	19	+0.015 +0.002	40			6 x 6 x 32
90	13.1	7.3	-	5/16-18 UNC x 0.75	0.875	+0.0000 -0.0005	1.97	2.8	0.16	3/16 x 3/16 x 1-5/8
	333	185	5	M8 x 19	24	+0.015 +0.002	50			8 x 7 x 40
100	13.8	7.9	-	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
	349	201	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
112	13.8	7.9	-	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
	348	200	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
132	17.1	11.2	-	3/8-16 UNC x 1.10	1.375	+0.0000 -0.0005	3.15	6.61	0.14	5/16 x 5/16 x 2-3/4
	432	284	5	M12 x 28	38	+0.018 +0.002	80			10 x 8 x 70

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

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SIZE: HB68



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IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB68

Separate - Foot Mounted
Double/Triple Reduction

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.625	+0.0000 -0.0010	1.79	3.15	-	3/8 x 3/8 x 2-5/8	5/8 - 11 UNC x 1.42
40	+0.018 +0.002	43	80	5	12 x 8 x 70	M16 x 36

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.125	+0.0000 -0.0010	2.35	3.94	-	1/2 x 1/2 x 3-1/4	3/4 - 10 UNC x 1.65
50	+0.018 +0.002	54	100	10	14 x 9 x 80	M16 x 36

Separate Input

Dimension - Inch/MM

	H68 Double		H68 Triple		FO	FM x Depth	ØFU	tol.	FV	YA	YB	KEY
	C	ZC	C	ZC								
71	13.74	5.51	14.45	6.22	-	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
	349	140	367	158	4	M5 x 12.5	16	+0.012 +0.001	40			5 x 5 x 32
80	15.12	6.89	15.83	7.60	-	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
	384	175	402	193	4	M6 x 16	19	+0.015 +0.002	40			6 x 6 x 32
90	15.51	7.28	16.22	7.99	-	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
	394	185	412	203	5	M8 x 19	24	+0.015 +0.002	50			8 x 7 x 40
100	16.14	7.91	16.85	8.62	-	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
	410	201	428	219	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
112	16.10	7.87	-	-	-	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
	409	200	-	-	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
132	19.41	11.18	-	-	-	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
	493	284	-	-	5	M12 x 28	38	+0.018 +0.002	80			10 x 8 x 70

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

NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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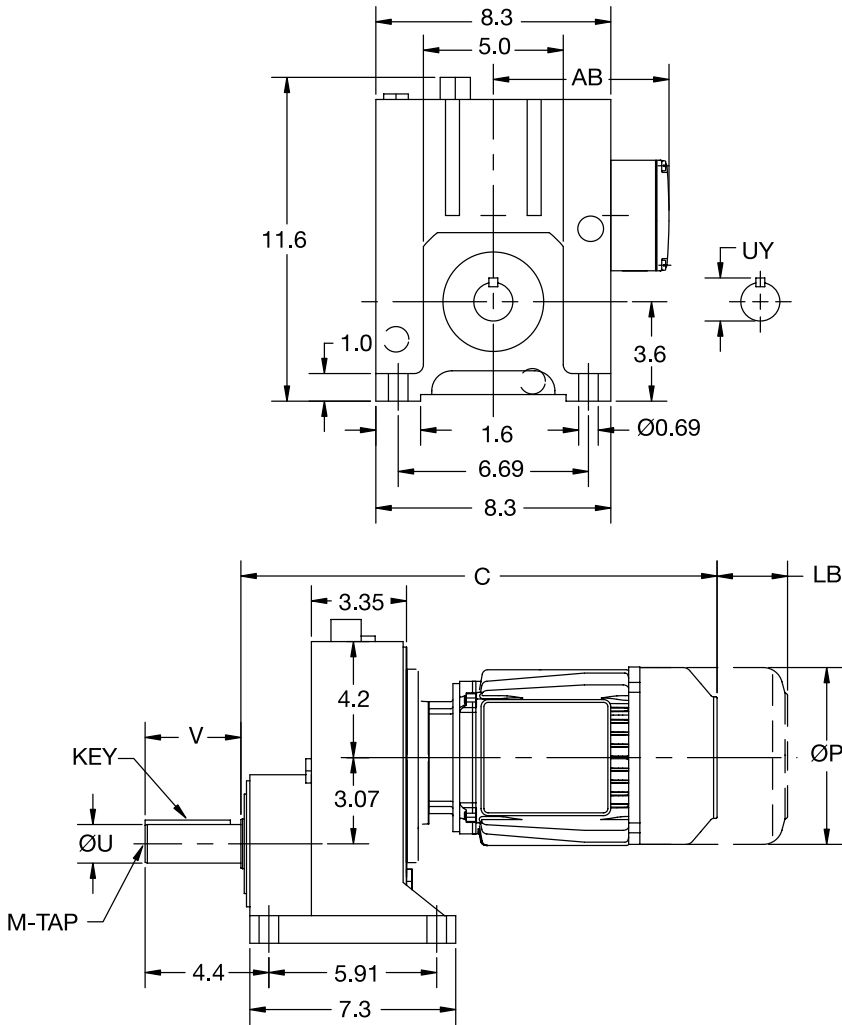
DIMENSIONS



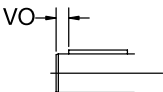
IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB68

Integral Gearmotor - Foot Mounted
Single Reduction



METRIC OUTPUT SHAFT



NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB68

Integral Gearmotor - Foot Mounted

Single Reduction

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.375	+0.000 -0.001	1.51	3.37	-	5/16 x 5/16 x 3.00	3/8-16 UNC
30	+0.015 +0.002	33	60	7	8 x 7 x 50	M10 x 22

Motor

Dimension - Inch/MM

Frame	H68 Single		P	AB
	C	LB		
71C4 / 71D4 / 71E4	15.99	1.81	6.19	5.18
	407	46	158	132
80F4	16.15	2.56	6.19	5.12
	411	65	158	131
80G4	17.65	2.56	6.19	5.12
	449	65	158	131
90H4	17.53	2.52	7.19	5.79
	446	64	183	148
90I4	18.43	2.52	7.19	5.79
	469	64	183	148
100J4	20.42	2.91	7.19	5.79
	519	74	183	148
112L4	22.06	2.91	8.6	6.88
	561	74	219	175
132M4	23.65	3.9	10.28	8.09
	601	99	262	206
132N4	25.15	3.9	10.28	8.09
	639	99	262	206

NOMENCLATURE
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DIMENSIONS

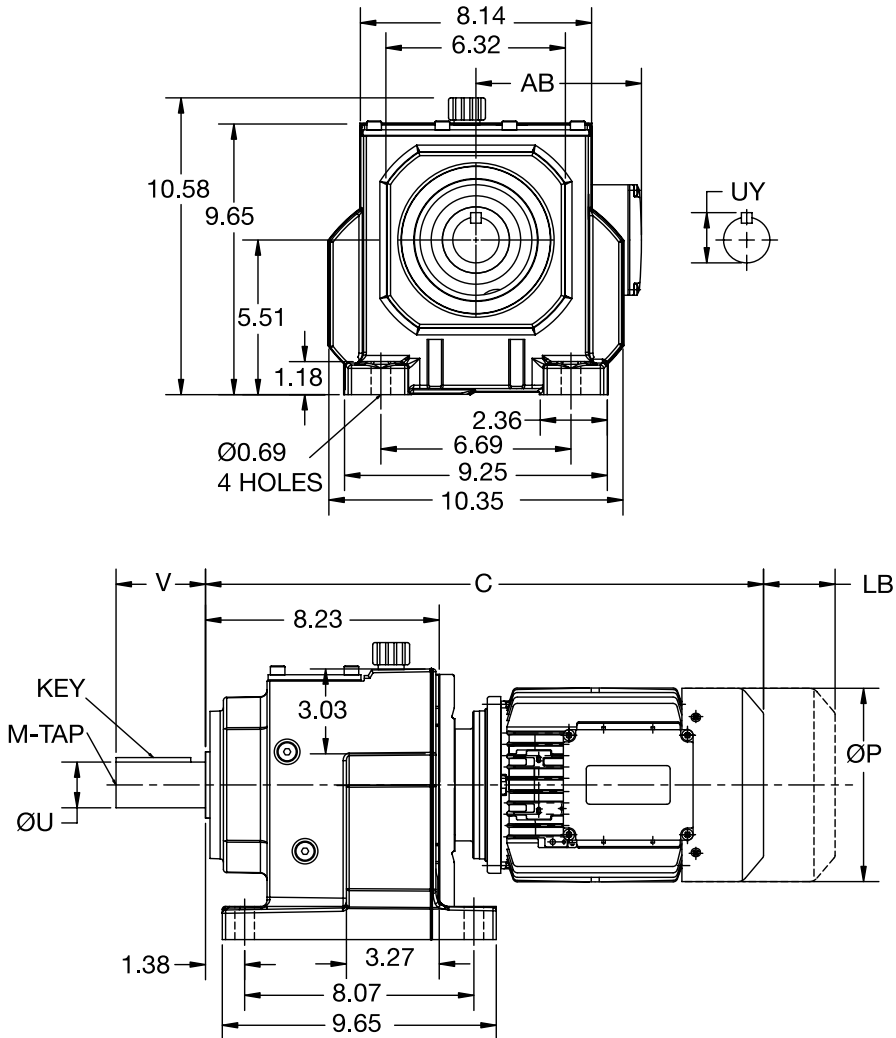


IN-LINE HELICAL GEAR REDUCER (ILH)

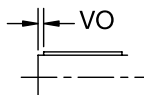
Integral Gearmotor - Foot Mounted

Double/Triple Reduction

SIZE: HB68



METRIC OUTPUT SHAFT



NOMENCLATURE
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IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB68

Integral Gearmotor - Foot Mounted

Double/Triple Reduction

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.625	+0.0000 -0.0010	1.79	3.15	-	3/8 x 3/8 x 2-5/8	5/8 - 11 UNC x 1.42
40	+0.018 +0.002	43	80	5	12 x 8 x 70	M16 x 36

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.125	+0.0000 -0.0010	2.35	3.94	-	1/2 x 1/2 x 3-1/4	3/4 - 10 UNC x 1.65
50	+0.018 +0.002	54	100	10	14 x 9 x 80	M16 x 36

Motor

Dimension - Inch/MM

Frame	H68 Double		H68 Triple		P	AB
	C	LB	C	LB		
71C4 / 71D4 / 71E4	18.32	1.81	19.05	1.81	6.19	5.18
	466	46	484	46	158	132
80F4	18.46	2.56	19.19	2.56	6.19	5.12
	469	65	488	65	158	131
80G4	19.96	2.56	20.69	2.56	6.19	5.12
	507	65	526	65	158	131
90H4	19.89	2.52	20.62	2.52	7.19	5.79
	506	64	524	64	183	148
90I4	20.78	2.52	21.5	2.52	7.19	5.79
	528	64	547	64	183	148
100J4	22.78	2.91	23.52	2.91	7.19	5.79
	579	74	598	74	183	148
112L4	24.43	2.91	-	-	8.6	6.88
	621	74	-	-	219	175
132M4	25.98	3.9	-	-	10.28	8.09
	660	99	-	-	262	206
132N4	27.48	3.9	-	-	10.28	8.09
	698	99	-	-	262	206

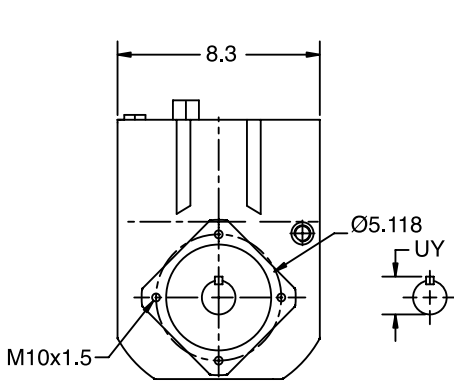
DIMENSIONS



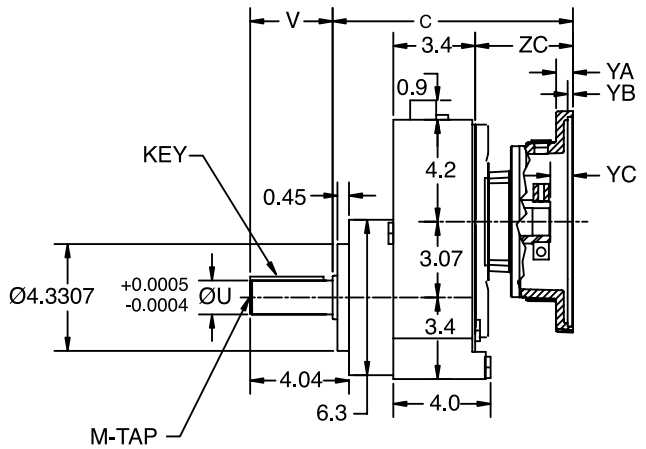
IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF68

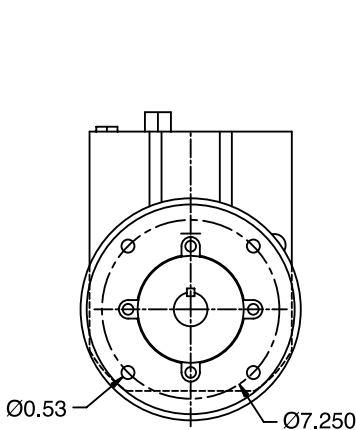
NEMA C-Face - Flange Mounted (B5 / B14 / NEMA) - Clamp Collar / 3 Piece Coupled
Single Reduction



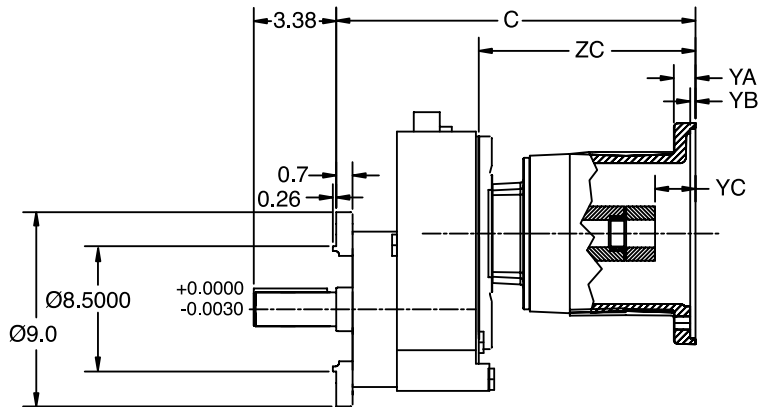
**B14 OUTPUT FLANGE -
Ø160mm**



CLAMP COLLAR



NEMA 210TC OUTPUT FLANGE



THREE-PIECE COUPLED

DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF68

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.375	+0.000 -0.001	1.51	3.37	-	5/16 x 5/16 x 3.00	3/8-16 UNC
30	+0.015 +0.002	33	60	7	8 x 7 x 50	M10 x 22

NEMA Motor Adapter - Clamp Collar

Dimension - Inch

	H68 Single		YA	YB	YC
	C	ZC			
56C	8.9	3.0	0.47	0.20	0.67
140TC	9.6	3.7	0.47	0.20	0.67
180TC	11.0	5.2	0.73	0.22	0.91
210TC	12.9	7.1	0.69	0.22	0.89

NEMA Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H68 Single		YA	YB	YC
	C	ZC			
56C	12.0	6.2	0.55	0.20	1.08
140TC	13.4	7.6	0.55	0.20	1.10
180TC	14.6	8.8	0.73	0.22	1.65
210TC	16.6	10.7	0.87	0.22	2.01

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

QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

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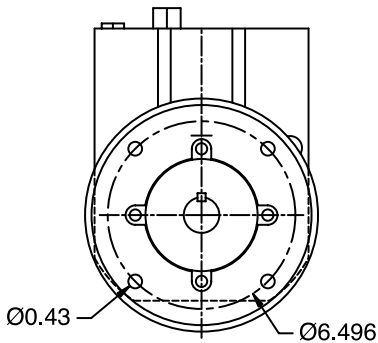
DIMENSIONS



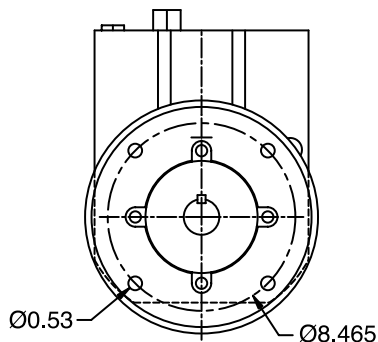
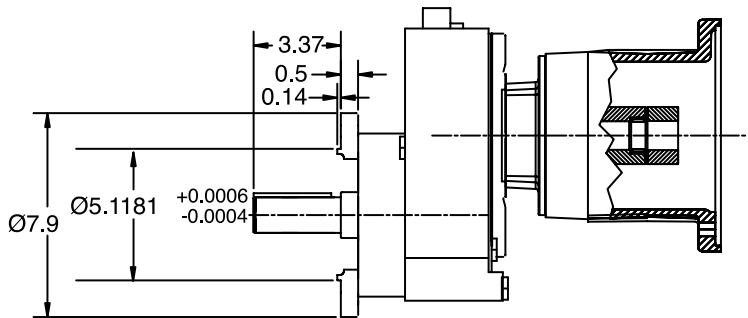
IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF68

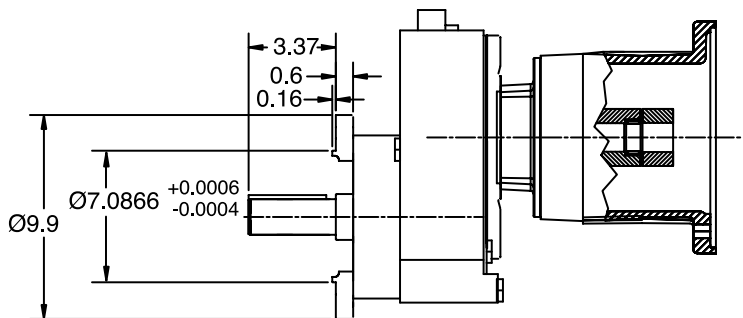
NEMA C-Face - Flange Mounted (B5 / B14 / NEMA) - Clamp Collar / 3 Piece Coupled
Single Reduction



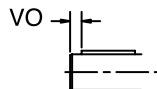
**B5 OUTPUT FLANGE -
Ø200mm**



**B5 OUTPUT FLANGE -
Ø250mm**



METRIC OUTPUT SHAFT



Refer to page ILH-214 for additional dimensions

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DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF68

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.375	+0.000 -0.001	1.51	3.37	-	5/16 x 5/16 x 3.00	3/8-16 UNC
30	+0.015 +0.002	33	60	7	8 x 7 x 50	M10 x 22

NEMA Motor Adapter - Clamp Collar

Dimension - Inch

	H68 Single		YA	YB	YC
	C	ZC			
56C	8.9	3.0	0.47	0.20	0.67
140TC	9.6	3.7	0.47	0.20	0.67
180TC	11.0	5.2	0.73	0.22	0.91
210TC	12.9	7.1	0.69	0.22	0.89

NEMA Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H68 Single		YA	YB	YC
	C	ZC			
56C	12.0	6.2	0.55	0.20	1.08
140TC	13.4	7.6	0.55	0.20	1.10
180TC	14.6	8.8	0.73	0.22	1.65
210TC	16.6	10.7	0.87	0.22	2.01

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

QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

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PAGE ILH-343

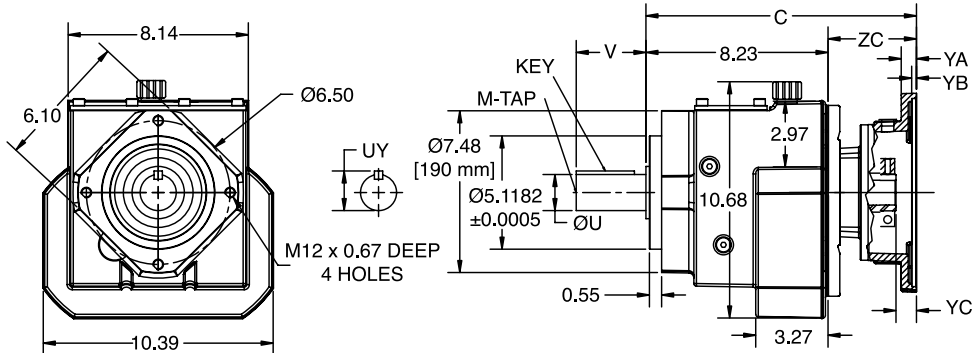
DIMENSIONS



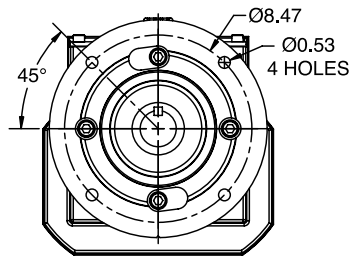
IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF68

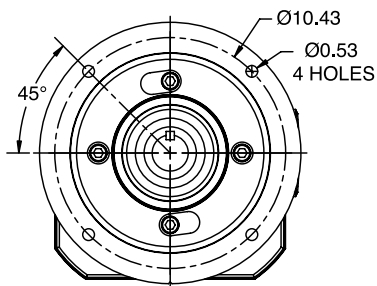
NEMA C-Face - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled
Double/Triple Reduction



B14 OUTPUT FLANGE
- Ø190mm

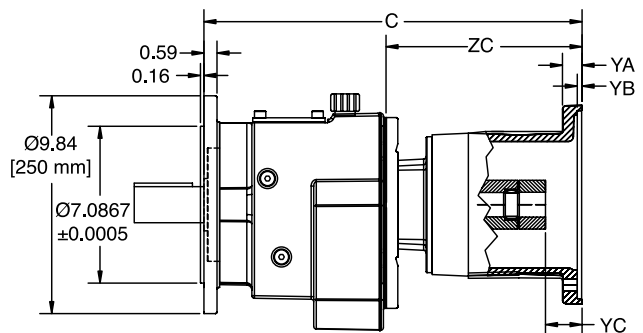


B5 OUTPUT FLANGE -
Ø250mm

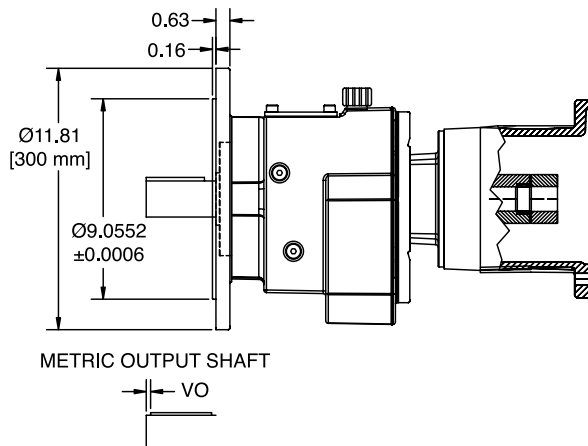


B5 OUTPUT FLANGE -
Ø300mm

CLAMP COLLAR



THREE-PIECE COUPLED



METRIC OUTPUT SHAFT



NOMENCLATURE
PAGE ILH-4

MOUNTING POSITIONS
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WEIGHTS
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IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF68

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.625	+0.0000 -0.0010	1.79	3.15	-	3/8 x 3/8 x 2-5/8	5/8 - 11 UNC x 1.42
40	+0.018 +0.002	43	80	5	12 x 8 x 70	M16 x 36

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.125	+0.0000 -0.0010	2.35	3.94	-	1/2 x 1/2 x 3-1/4	3/4 - 10 UNC x 1.65
50	+0.018 +0.002	54	100	10	14 x 9 x 80	M16 x 36

NEMA Motor Adapter - Clamp Collar

Dimension - Inch

	H68 Double		H68 Triple		YA	YB	YC
	C	ZC	C	ZC			
56C	11.24	3.01	11.97	3.74	0.47	0.20	0.67
140TC	11.91	3.68	12.64	4.41	0.47	0.20	0.67
180TC	13.41	5.18	14.21	5.98	0.69	0.22	0.93
210TC	15.33	7.10	-	-	0.69	0.22	0.89

NEMA Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H68 Double		H68 Triple		YA	YB	YC
	C	ZC	C	ZC			
56C	14.37	6.14	15.10	6.87	0.55	0.20	1.08
140TC	15.79	7.56	16.52	8.29	0.55	0.20	1.10
180TC	16.99	8.76	17.80	9.57	0.87	0.22	1.65
210TC	19.14	10.91	-	-	0.87	0.22	2.01

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

NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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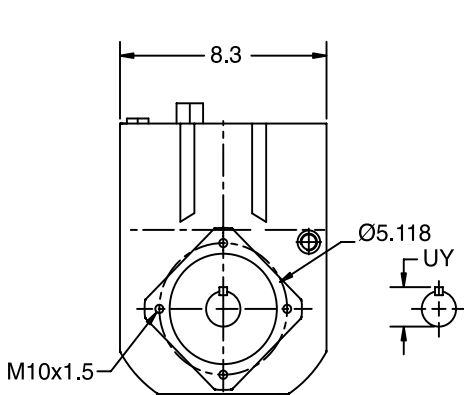
DIMENSIONS



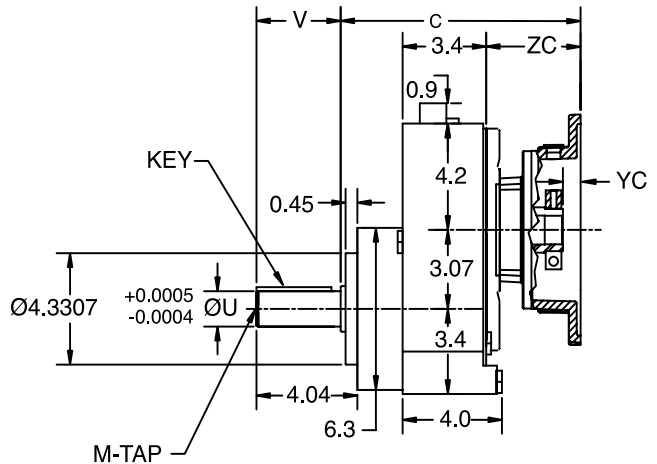
IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF68

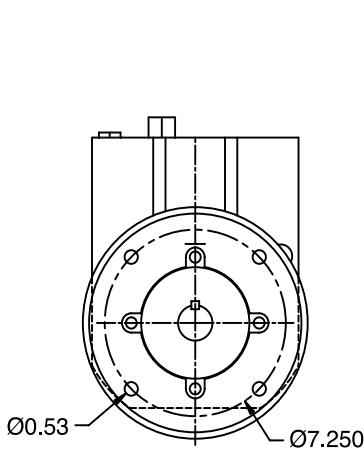
IEC D Flange (B5 Input) - Flange Mounted (B5/B14/NEMA) - Clamp Collar / 3 Piece Coupled
Single Reduction



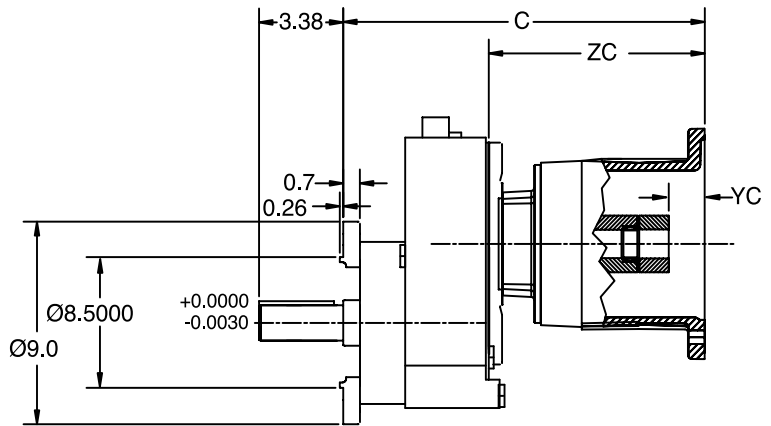
**B14 OUTPUT FLANGE -
Ø160mm**



CLAMP COLLAR



NEMA 210TC OUTPUT FLANGE



THREE-PIECE COUPLED

DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF68

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.375	+0.000 -0.001	1.51	3.37	-	5/16 x 5/16 x 3.00	3/8-16 UNC
30	+0.015 +0.002	33	60	7	8 x 7 x 50	M10 x 22

IEC Motor Adapter - Clamp Collar

Dimension - Inch

	H68 Single		YC
	C	ZC	
71D	8.2	2.3	0.16
80D	9.1	3.3	0.61
90D	9.1	3.3	0.61
100D	9.4	3.6	0.28
112D	9.7	3.8	0.28
132D	11.3	5.4	0.87

IEC Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H68 Single		YC
	C	ZC	
90D	13.4	7.5	1.02
100D	14.2	8.4	1.18
112D	14.1	8.3	1.18
132D	16.5	10.7	1.77

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

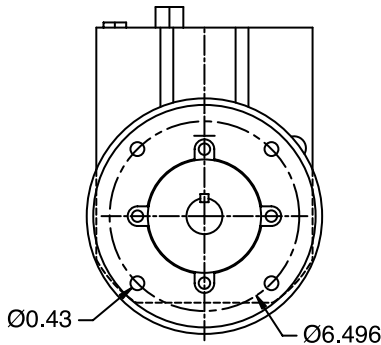
DIMENSIONS



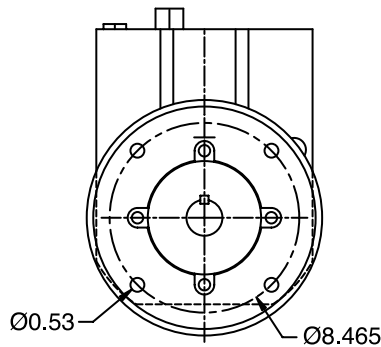
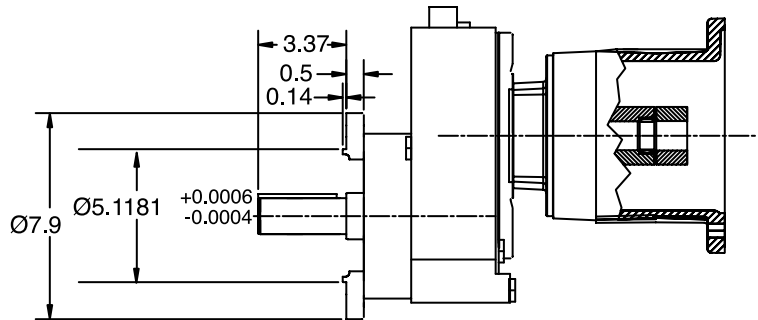
IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF68

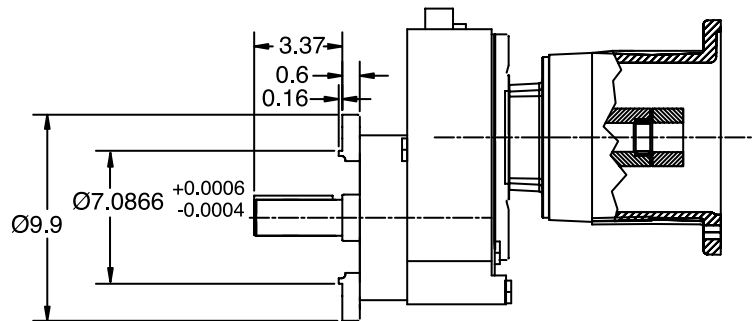
IEC D Flange (B5 Input) - Flange Mounted (B5/B14/NEMA) - Clamp Collar / 3 Piece Coupled
Single Reduction



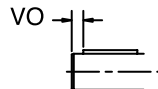
B5 OUTPUT FLANGE
Ø200mm



B5 OUTPUT FLANGE
Ø250mm



METRIC OUTPUT SHAFT



Refer to page ILH-220 for additional dimensions

NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF68

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.375	+0.000 -0.001	1.51	3.37	-	5/16 x 5/16 x 3.00	3/8-16 UNC
30	+0.015 +0.002	33	60	7	8 x 7 x 50	M10 x 22

IEC Motor Adapter - Clamp Collar

Dimension - Inch

	H68 Single		YC
	C	ZC	
71D	8.2	2.3	0.16
80D	9.1	3.3	0.61
90D	9.1	3.3	0.61
100D	9.4	3.6	0.28
112D	9.7	3.8	0.28
132D	11.3	5.4	0.87

IEC Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H68 Single		YC
	C	ZC	
90D	13.4	7.5	1.02
100D	14.2	8.4	1.18
112D	14.1	8.3	1.18
132D	16.5	10.7	1.77

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

IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF68

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.625	+0.0000 -0.0010	1.79	3.15	-	3/8 x 3/8 x 2-5/8	5/8 - 11 UNC x 1.42
40	+0.018 +0.002	43	80	5	12 x 8 x 70	M16 x 36

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.125	+0.0000 -0.0010	2.35	3.94	-	1/2 x 1/2 x 3-1/4	3/4 - 10 UNC x 1.65
50	+0.018 +0.002	54	100	10	14 x 9 x 80	M16 x 36

IEC Motor Adapter - Clamp Collar

Dimension - Inch

	H68 Double		H68 Triple		YC
	C	ZC	C	ZC	
71D	10.53	2.30	11.26	3.03	0.16
80D	11.48	3.25	12.21	3.98	0.61
90D	11.48	3.25	12.21	3.98	0.61
100D	11.77	3.54	12.50	4.27	0.28
112D	12.03	3.80	-	-	0.28
132D	13.64	5.41	-	-	0.87

IEC Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H68 Double		H68 Triple		YC
	C	ZC	C	ZC	
80D	15.71	7.48	16.44	8.21	0.59
90D	15.71	7.48	16.44	8.21	1.02
100D	16.60	8.37	17.32	9.09	1.18
112D	16.48	8.25	-	-	1.18
132D	18.90	10.67	-	-	1.77

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

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IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF68

Separate - Flange Mounted (B5 / B14 / NEMA)

Single Reduction

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.375	+0.000 -0.001	1.51	3.37	-	5/16 x 5/16 x 3.00	3/8-16 UNC
30	+0.015 +0.002	33	60	7	8 x 7 x 50	M10 x 22

Separate Input

Dimension - Inch/MM

	H68 Single		FO	FM x Depth	ØFU	tol.	FV	YA	YB	KEY
	C	ZC								
71	11.4	5.5	-	8-32 UNC x 0.49	0.625	+0.0000 -0.0005	1.57	2.4	0.16	3/16 x 3/16 x 1-5/16
	288	140	4	M5 x 12.5	16	+0.012 +0.001	40			5 x 5 x 32
80	12.7	6.9	-	1/4-20 UNC x 0.63	0.75	+0.0000 -0.0005	1.57	2.4	0.16	3/16 x 3/16 x 1-5/16
	323	175	4	M6 x 16	19	+0.015 +0.002	40			6 x 6 x 32
90	13.1	7.3	-	5/16-18 UNC x 0.75	0.875	+0.0000 -0.0005	1.97	2.8	0.16	3/16 x 3/16 x 1-5/8
	333	185	5	M8 x 19	24	+0.015 +0.002	50			8 x 7 x 40
100	13.8	7.9	-	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
	349	201	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
112	13.8	7.9	-	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
	348	200	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
132	17.1	11.2	-	3/8-16 UNC x 1.10	1.375	+0.0000 -0.0005	3.15	6.61	0.14	5/16 x 5/16 x 2-3/4
	432	284	5	M12 x 28	38	+0.018 +0.002	80			10 x 8 x 70

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

NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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DIMENSIONS

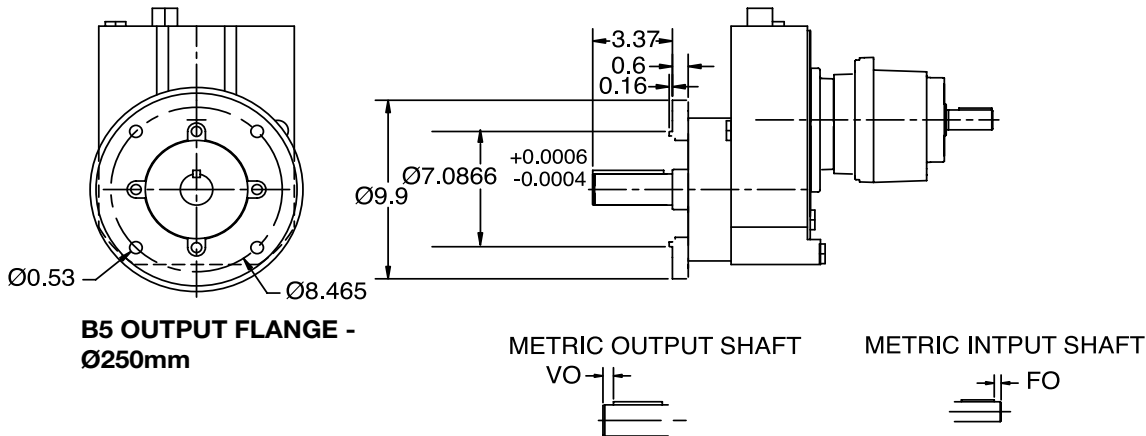
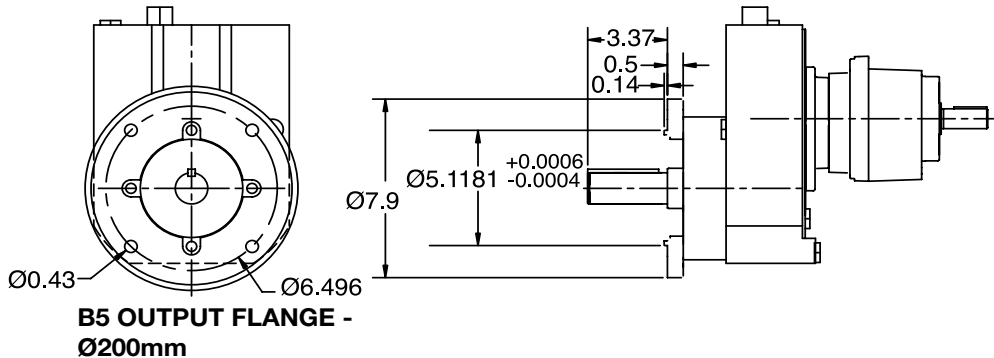


IN-LINE HELICAL GEAR REDUCER (ILH)

Separate - Flange Mounted (B5 / B14 / NEMA)

Single Reduction

SIZE: HF68



Refer to page ILH-226 for additional dimensions

NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF68

Separate - Flange Mounted (B5 / B14 / NEMA)

Single Reduction

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.375	+0.000 -0.001	1.51	3.37	-	5/16 x 5/16 x 3.00	3/8-16 UNC
30	+0.015 +0.002	33	60	7	8 x 7 x 50	M10 x 22

Separate Input

Dimension - Inch/MM

	H68 Single		FO	FM x Depth	ØFU	tol.	FV	YA	YB	KEY
	C	ZC								
71	11.4	5.5	-	8-32 UNC x 0.49	0.625	+0.0000 -0.0005	1.57	2.4	0.16	3/16 x 3/16 x 1-5/16
	288	140	4	M5 x 12.5	16	+0.012 +0.001	40			5 x 5 x 32
80	12.7	6.9	-	1/4-20 UNC x 0.63	0.75	+0.0000 -0.0005	1.57	2.4	0.16	3/16 x 3/16 x 1-5/16
	323	175	4	M6 x 16	19	+0.015 +0.002	40			6 x 6 x 32
90	13.1	7.3	-	5/16-18 UNC x 0.75	0.875	+0.0000 -0.0005	1.97	2.8	0.16	3/16 x 3/16 x 1-5/8
	333	185	5	M8 x 19	24	+0.015 +0.002	50			8 x 7 x 40
100	13.8	7.9	-	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
	349	201	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
112	13.8	7.9	-	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
	348	200	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
132	17.1	11.2	-	3/8-16 UNC x 1.10	1.375	+0.0000 -0.0005	3.15	6.61	0.14	5/16 x 5/16 x 2-3/4
	432	284	5	M12 x 28	38	+0.018 +0.002	80			10 x 8 x 70

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

NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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DIMENSIONS

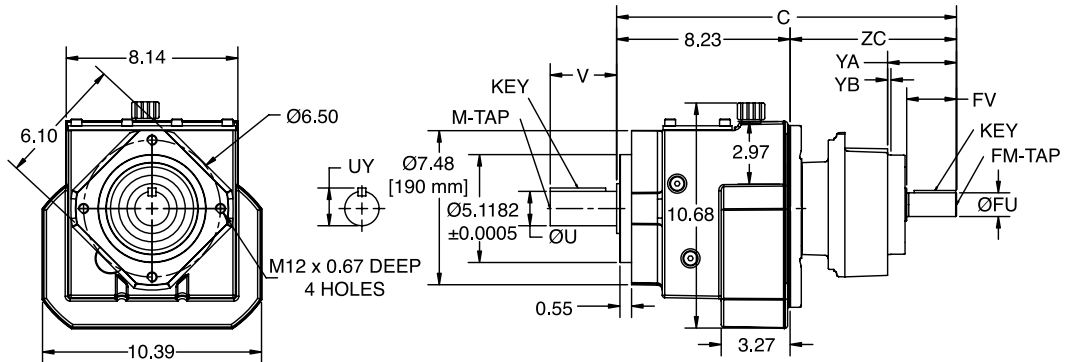


IN-LINE HELICAL GEAR REDUCER (ILH)

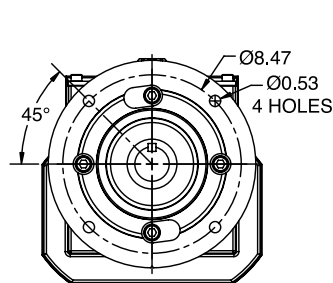
Separate - Flange Mounted (B5 / B14)

Double/Triple Reduction

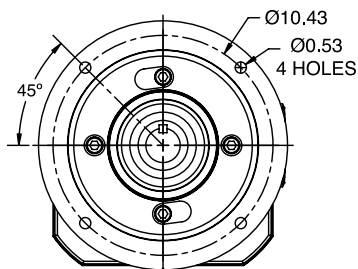
SIZE: HF68



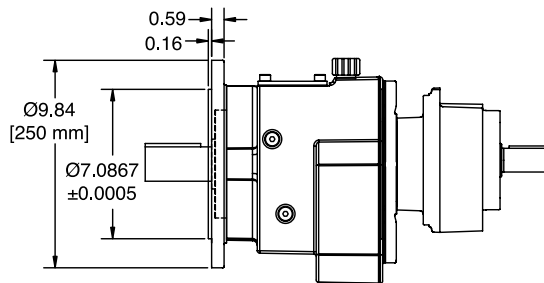
**B14 OUTPUT FLANGE -
Ø190mm**



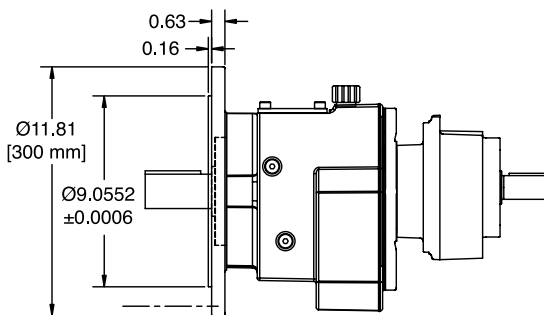
**B5 OUTPUT FLANGE -
Ø250mm**



**B5 OUTPUT FLANGE -
Ø300mm**



METRIC OUTPUT SHAFT



METRIC INPUT SHAFT



NOMENCLATURE
PAGE ILH-4

MOUNTING POSITIONS
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STOCK/NON-STOCK PART NUMBERS
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WEIGHTS
PAGE ILH-343

IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF68

Separate - Flange Mounted (B5 / B14)

Double/Triple Reduction

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.625	+0.0000 -0.0010	1.79	3.15	-	3/8 x 3/8 x 2-5/8	5/8 - 11 UNC x 1.42
40	+0.018 +0.002	43	80	5	12 x 8 x 70	M16 x 36

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.125	+0.0000 -0.0010	2.35	3.94	-	1/2 x 1/2 x 3-1/4	3/4 - 10 UNC x 1.65
50	+0.018 +0.002	54	100	10	14 x 9 x 80	M16 x 36

Separate Input

Dimension - Inch/MM

	H68 Double		H68 Triple		FO	FM x Depth	ØFU	tol.	FV	YA	YB	KEY
	C	ZC	C	ZC								
71	13.74	5.51	14.45	6.22	-	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
	349	140	367	158	4	M5 x 12.5	16	+0.012 +0.001	40			5 x 5 x 32
80	15.12	6.89	15.83	7.60	-	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
	384	175	402	193	4	M6 x 16	19	+0.015 +0.002	40			6 x 6 x 32
90	15.51	7.28	16.22	7.99	-	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
	394	185	412	203	5	M8 x 19	24	+0.015 +0.002	50			8 x 7 x 40
100	16.14	7.91	16.85	8.62	-	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
	410	201	428	219	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
112	16.10	7.87	-	-	-	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
	409	200	-	-	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
132	19.41	11.18	-	-	-	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
	493	284	-	-	5	M12 x 28	38	+0.018 +0.002	80			10 x 8 x 70

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

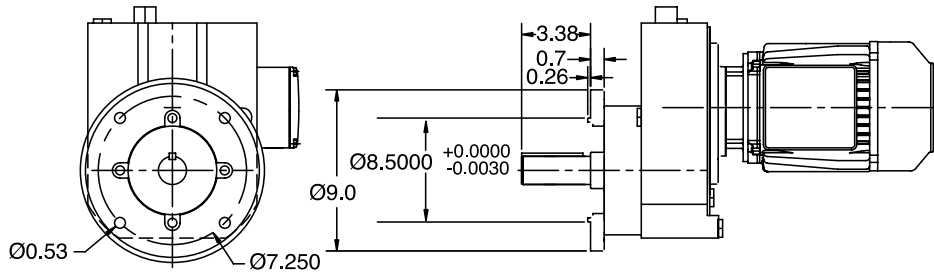
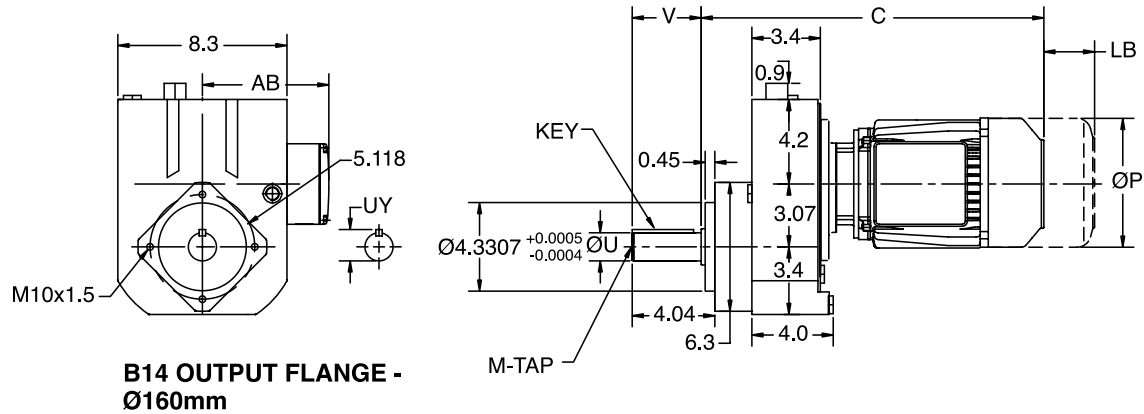
NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH) Integral Gearmotor - Flange Mounted (B5 / B14 / NEMA) Single Reduction

SIZE: HF68



DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH) Integral Gearmotor - Flange Mounted (B5 / B14 / NEMA) Single Reduction

SIZE: HF68

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.375	+0.000 -0.001	1.51	3.37	-	5/16 x 5/16 x 3.00	3/8-16 UNC
30	+0.015 +0.002	33	60	7	8 x 7 x 50	M10 x 22

Motor

Dimension - Inch/MM

Frame	H68 Single		P	AB
	C	LB		
71C4 / 71D4 / 71E4	15.99	1.81	6.19	5.18
	407	46	158	132
80F4	16.15	2.56	6.19	5.12
	411	65	158	131
80G4	17.65	2.56	6.19	5.12
	449	65	158	131
90H4	17.53	2.52	7.19	5.79
	446	64	183	148
90I4	18.43	2.52	7.19	5.79
	469	64	183	148
100J4	20.42	2.91	7.19	5.79
	519	74	183	148
112L4	22.06	2.91	8.6	6.88
	561	74	219	175
132M4	23.65	3.9	10.28	8.09
	601	99	262	206
132N4	25.15	3.9	10.28	8.09
	639	99	262	206

NOMENCLATURE
PAGE ILH-4

MOUNTING POSITIONS
PAGE ILH-7

STOCK/NON-STOCK PART NUMBERS
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WEIGHTS
PAGE ILH-343

DIMENSIONS

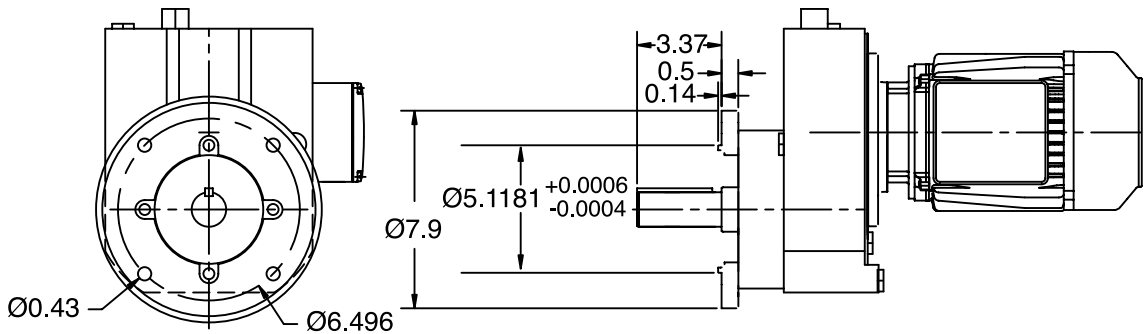


IN-LINE HELICAL GEAR REDUCER (ILH)

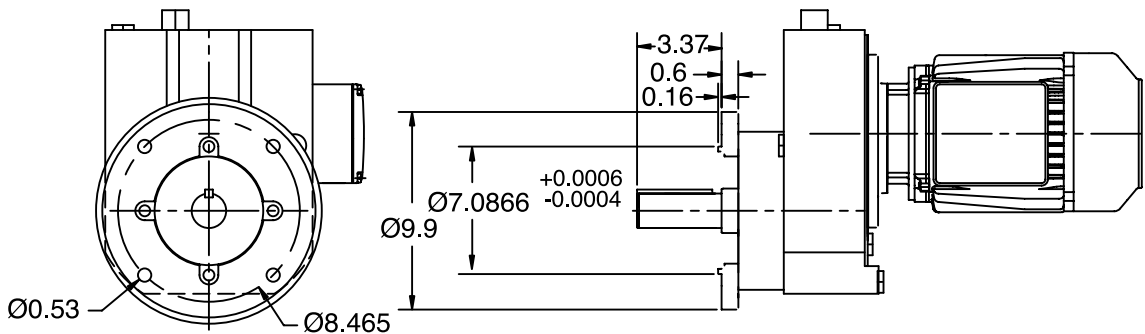
Integral Gearmotor - Flange Mounted (B5 / B14 / NEMA)

Single Reduction

SIZE: HF68

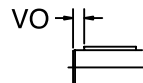


**B5 OUTPUT FLANGE -
Ø200mm**



**B5 OUTPUT FLANGE -
Ø250mm**

METRIC OUTPUT SHAFT



Refer to page ILH-232 for additional dimensions

NOMENCLATURE
PAGE ILH-4

MOUNTING POSITIONS
PAGE ILH-7

STOCK/NON-STOCK PART NUMBERS
PAGE ILH-67

WEIGHTS
PAGE ILH-343

DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH) Integral Gearmotor - Flange Mounted (B5 / B14 / NEMA) Single Reduction

SIZE: HF68

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.375	+0.000 -0.001	1.51	3.37	-	5/16 x 5/16 x 3.00	3/8-16 UNC
30	+0.015 +0.002	33	60	7	8 x 7 x 50	M10 x 22

Motor

Dimension - Inch/MM

Frame	H68 Single		P	AB
	C	LB		
71C4 / 71D4 / 71E4	15.99	1.81	6.19	5.18
	407	46	158	132
80F4	16.15	2.56	6.19	5.12
	411	65	158	131
80G4	17.65	2.56	6.19	5.12
	449	65	158	131
90H4	17.53	2.52	7.19	5.79
	446	64	183	148
90I4	18.43	2.52	7.19	5.79
	469	64	183	148
100J4	20.42	2.91	7.19	5.79
	519	74	183	148
112L4	22.06	2.91	8.6	6.88
	561	74	219	175
132M4	23.65	3.9	10.28	8.09
	601	99	262	206
132N4	25.15	3.9	10.28	8.09
	639	99	262	206

NOMENCLATURE
PAGE ILH-4

MOUNTING POSITIONS
PAGE ILH-7

STOCK/NON-STOCK PART NUMBERS
PAGE ILH-67

WEIGHTS
PAGE ILH-343

DIMENSIONS

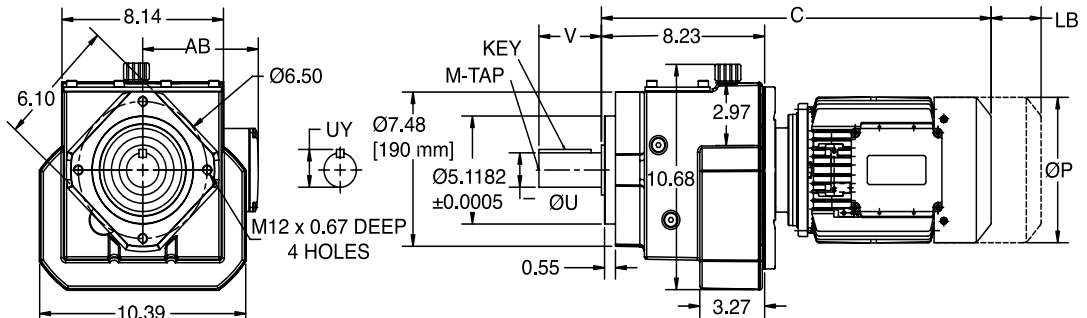


IN-LINE HELICAL GEAR REDUCER (ILH)

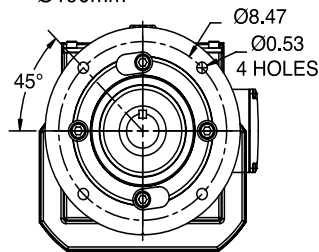
Integral Gearmotor - Flange Mounted (B5 / B14)

Double/Triple Reduction

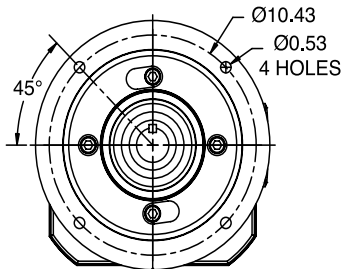
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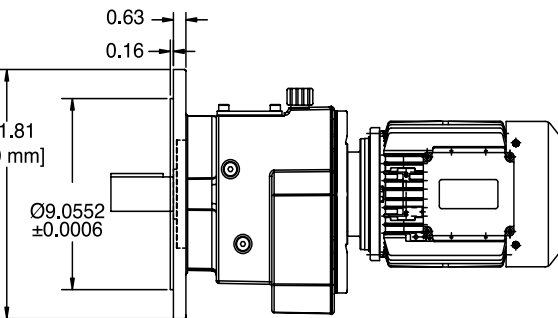
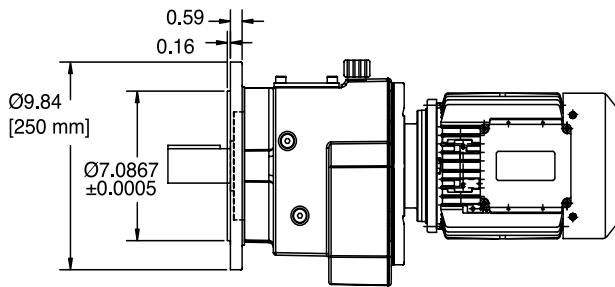
B14 OUTPUT FLANGE -
Ø190mm



B5 OUTPUT FLANGE -
Ø250mm



B5 OUTPUT FLANGE -
Ø300mm



METRIC OUTPUT SHAFT



DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF68

Integral Gearmotor - Flange Mounted (B5 / B14)

Double/Triple Reduction

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.625	+0.0000 -0.0010	1.79	3.15	-	3/8 x 3/8 x 2-5/8	5/8 - 11 UNC x 1.42
40	+0.018 +0.002	43	80	5	12 x 8 x 70	M16 x 36

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.125	+0.0000 -0.0010	2.35	3.94	-	1/2 x 1/2 x 3-1/4	3/4 - 10 UNC x 1.65
50	+0.018 +0.002	54	100	10	14 x 9 x 80	M16 x 36

Motor

Dimension - Inch/MM

Frame	H68 Double		H68 Triple		P	AB
	C	LB	C	LB		
71C4 / 71D4 / 71E4	18.32	1.81	19.05	1.81	6.19	5.18
	466	46	484	46	158	132
80F4	18.46	2.56	19.19	2.56	6.19	5.12
	469	65	488	65	158	131
80G4	19.96	2.56	20.69	2.56	6.19	5.12
	507	65	526	65	158	131
90H4	19.89	2.52	20.62	2.52	7.19	5.79
	506	64	524	64	183	148
90I4	20.78	2.52	21.5	2.52	7.19	5.79
	528	64	547	64	183	148
100J4	22.78	2.91	23.52	2.91	7.19	5.79
	579	74	598	74	183	148
112L4	24.43	2.91	-	-	8.6	6.88
	621	74	-	-	219	175
132M4	25.98	3.9	-	-	10.28	8.09
	660	99	-	-	262	206
132N4	27.48	3.9	-	-	10.28	8.09
	698	99	-	-	262	206

NOMENCLATURE
PAGE ILH-4

MOUNTING POSITIONS
PAGE ILH-7

STOCK/NON-STOCK PART NUMBERS
PAGE ILH-67

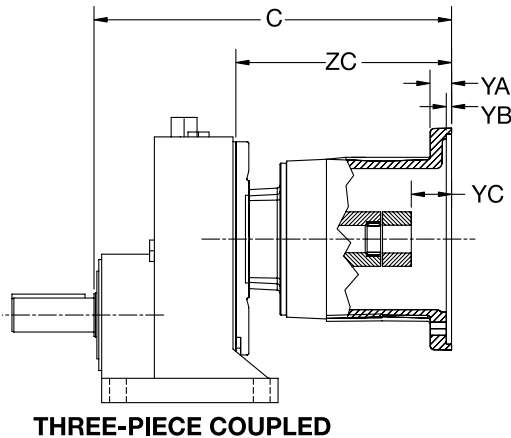
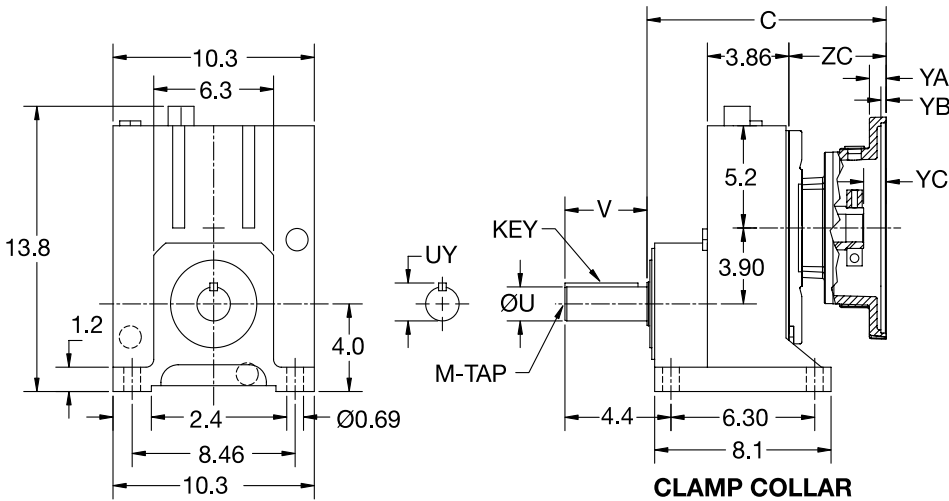
WEIGHTS
PAGE ILH-343

DIMENSIONS

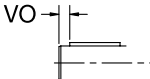


IN-LINE HELICAL GEAR REDUCER (ILH) NEMA C-Face - Foot Mounted - Clamp Collar / 3 Piece Coupled Single Reduction

SIZE: HB88



METRIC OUTPUT SHAFT



NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB88

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.625	+0.000 -0.001	1.79	3.15	-	3/8 x 3/8 x 2.75	5/8 - 11 UNC
40	+0.018 +0.002	43	80	5	12 x 8 x 70	M16 x 36

NEMA Motor Adapter - Clamp Collar

Dimension - Inch

	H88 Single		YA	YB	YC
	C	ZC			
140TC	9.5	3.1	0.47	0.20	0.67
180TC	10.9	4.5	0.73	0.22	0.91
210TC	12.8	6.4	0.69	0.22	0.89
250TC	12.7	6.3	0.95	0.20	1.13

NEMA Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H88 Single		YA	YB	YC
	C	ZC			
140TC	13.4	7.0	0.55	0.20	1.10
180TC	14.5	8.1	0.73	0.22	1.65
210TC	16.4	10.0	0.87	0.22	2.01
250TC	18.4	12.0	0.95	0.20	2.17

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

QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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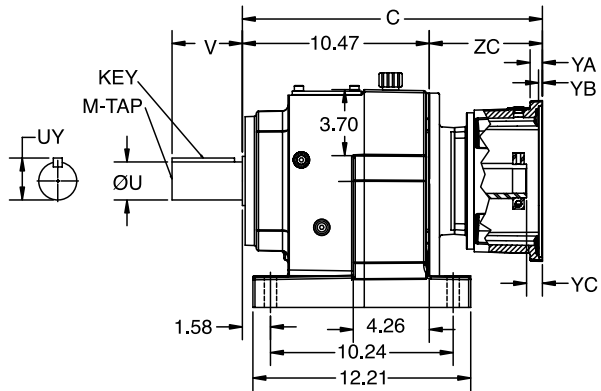
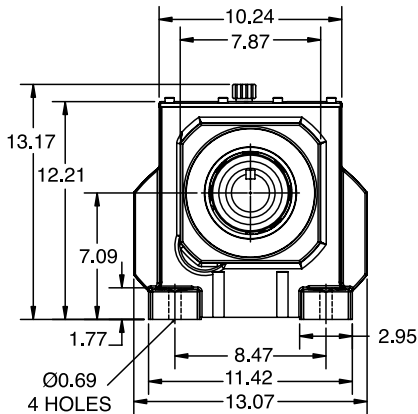
DIMENSIONS



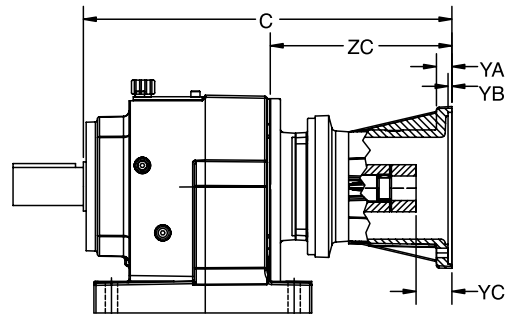
IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB88

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

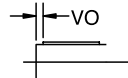


CLAMP COLLAR



THREE-PIECE COUPLED

METRIC OUTPUT SHAFT



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB88

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.125	+0.0000 -0.0010	2.35	3.94	-	1/2 x 1/2 x 3-1/4	3/4 - 10 UNC x 1.65
50	+0.018 +0.002	54	100	10	14 x 9 x 80	M16 x 36

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.375	+0.0000 -0.0010	2.65	4.72	-	5/8 x 5/8 x 3-15/16	3/4 - 10 UNC x 1.65
60	+0.030 +0.011	64	120	10	18 x 11 x 100	M20 x 42

NEMA Motor Adapter - Clamp Collar

Dimension - Inch

	H88 Double		H88 Triple		YA	YB	YC
	C	ZC	C	ZC			
56C	-	-	13.88	3.41	0.47	0.20	0.67
140TC	13.56	3.09	14.55	4.08	0.47	0.20	0.67
180TC	14.92	4.45	16.06	5.59	0.73	0.22	0.91
210TC	16.85	6.38	17.95	7.48	0.69	0.22	0.89
250TC	16.74	6.27	-	-	0.95	0.20	1.13

NEMA Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H88 Double		H88 Triple		YA	YB	YC
	C	ZC	C	ZC			
56C	-	-	17.01	6.54	0.55	0.20	1.08
140TC	17.44	6.97	18.43	7.96	0.55	0.20	1.10
180TC	18.50	8.03	19.64	9.17	0.73	0.22	1.65
210TC	20.65	10.18	21.75	11.28	0.87	0.22	2.01
250TC	22.60	12.13	-	-	0.95	0.20	2.17

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

NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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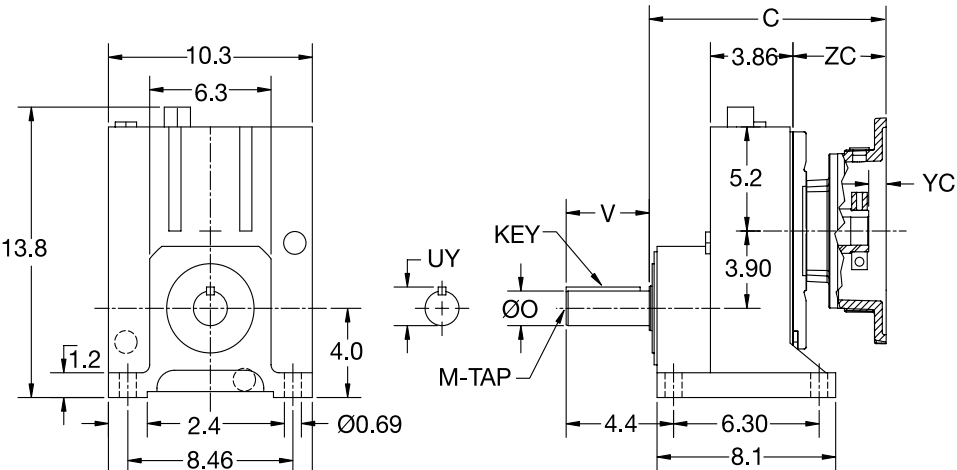
DIMENSIONS



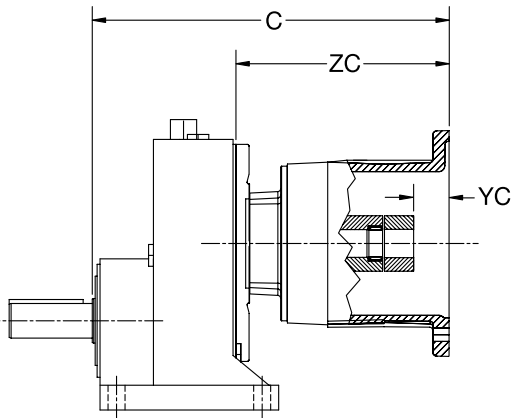
IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB88

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

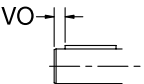


CLAMP COLLAR



THREE-PIECE COUPLED

METRIC OUTPUT SHAFT



NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB88

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.625	+0.000 -0.001	1.79	3.15	-	3/8 x 3/8 x 2.75	5/8 - 11 UNC
40	+0.018 +0.002	43	80	5	12 x 8 x 70	M16 x 36

IEC Motor Adapter - Clamp Collar

Dimension - Inch

	H88 Single		YC
	C	ZC	
90D	9.1	2.7	0.61
100D	9.3	2.9	0.28
112D	9.5	3.1	0.28
132D	11.1	4.7	0.87
160D	12.8	6.4	0.79

IEC Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H88 Single		YC
	C	ZC	
90D	13.3	6.9	1.02
100D	14.1	7.7	1.18
112D	13.9	7.5	1.18
132D	16.4	10.0	1.77
160D	19.0	12.6	2.60

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

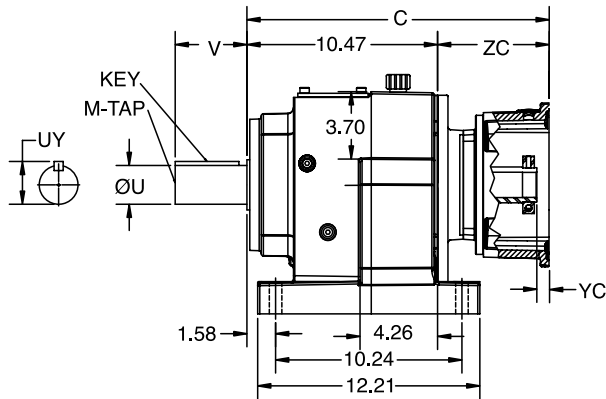
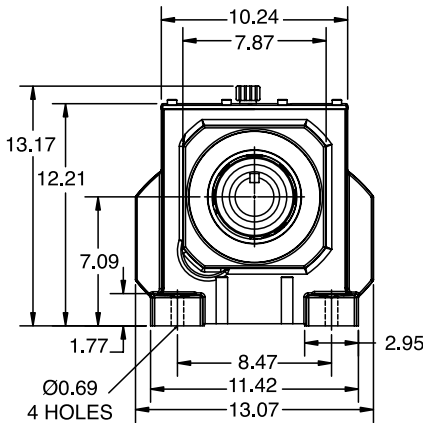
DIMENSIONS



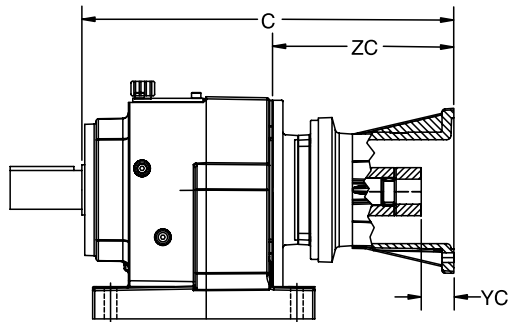
IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB88

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



CLAMP COLLAR



THREE-PIECE COUPLED

METRIC OUTPUT SHAFT



NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB88

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.125	+0.0000 -0.0010	2.35	3.94	-	1/2 x 1/2 x 3-1/4	3/4 - 10 UNC x 1.65
50	+0.018 +0.002	54	100	10	14 x 9 x 80	M16 x 36

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.375	+0.0000 -0.0010	2.65	4.72	-	5/8 x 5/8 x 3-15/16	3/4 - 10 UNC x 1.65
60	+0.030 +0.011	64	120	10	18 x 11 x 100	M20 x 42

IEC Motor Adapter - Clamp Collar

Dimension - Inch

	H88 Double		H88 Triple		YC
	C	ZC	C	ZC	
71D	-	-	13.17	2.70	0.16
80D	-	-	14.11	3.64	0.61
90D	13.13	2.66	14.11	3.64	0.61
100D	13.33	2.86	14.41	3.94	0.28
112D	13.54	3.07	14.69	4.22	0.28
132D	15.16	4.69	16.26	5.79	0.87
160D	16.85	6.38	-	-	0.79

IEC Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H88 Double		H88 Triple		YC
	C	ZC	C	ZC	
80D	-	-	18.35	7.88	0.59
90D	17.36	6.89	18.35	7.88	1.02
100D	18.15	7.68	19.23	8.76	1.18
112D	17.99	7.52	19.13	8.66	1.18
132D	20.41	9.94	21.52	11.05	1.77
160D	23.03	12.56	-	-	2.60

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

NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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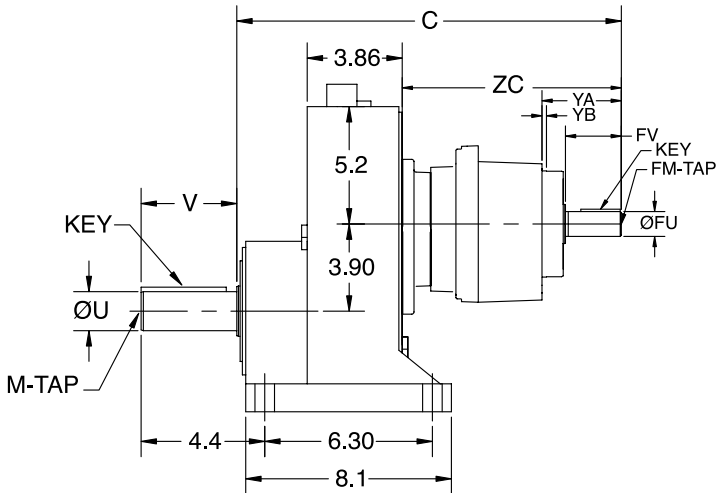
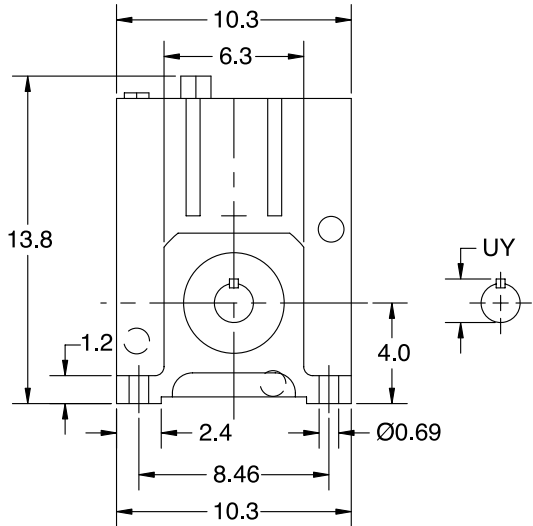
DIMENSIONS



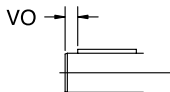
IN-LINE HELICAL GEAR REDUCER (ILH)

Separate - Foot Mounted
Single Reduction

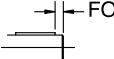
SIZE: HB88



METRIC OUTPUT SHAFT



METRIC INPUT SHAFT



NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB88

Separate - Foot Mounted
Single Reduction

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.625	+0.000 -0.001	1.79	3.15	-	3/8 x 3/8 x 2.75	5/8 - 11 UNC
40	+0.018 +0.002	43	80	5	12 x 8 x 70	M16 x 36

Separate Input

Dimension - Inch/MM

	H88 Single		FO	FM x Depth	ØFU	tol.	FV	YA	YB	KEY
	C	ZC								
90	13.1	6.7	-	5/16-18 UNC x 0.75	0.875	+0.0000 -0.0005	1.97	2.8	0.16	3/16 x 3/16 x 1-5/8
	332	170	5	M8 x 19	24	+0.015 +0.002	50			8 x 7 x 40
100	13.6	7.2	-	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
	345	183	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
112	13.5	7.1	-	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
	343	181	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
132	16.9	10.5	-	3/8-16 UNC x 1.10	1.375	+0.0000 -0.0005	3.15	6.61	0.14	5/16 x 5/16 x 2-3/4
	428	266	5	M12 x 28	38	+0.018 +0.002	80			10 x 8 x 70
160	18.6	12.2	-	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
	471	309	10	M16 x 36	42	+0.018 +0.002	110			12 x 8 x 90

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

NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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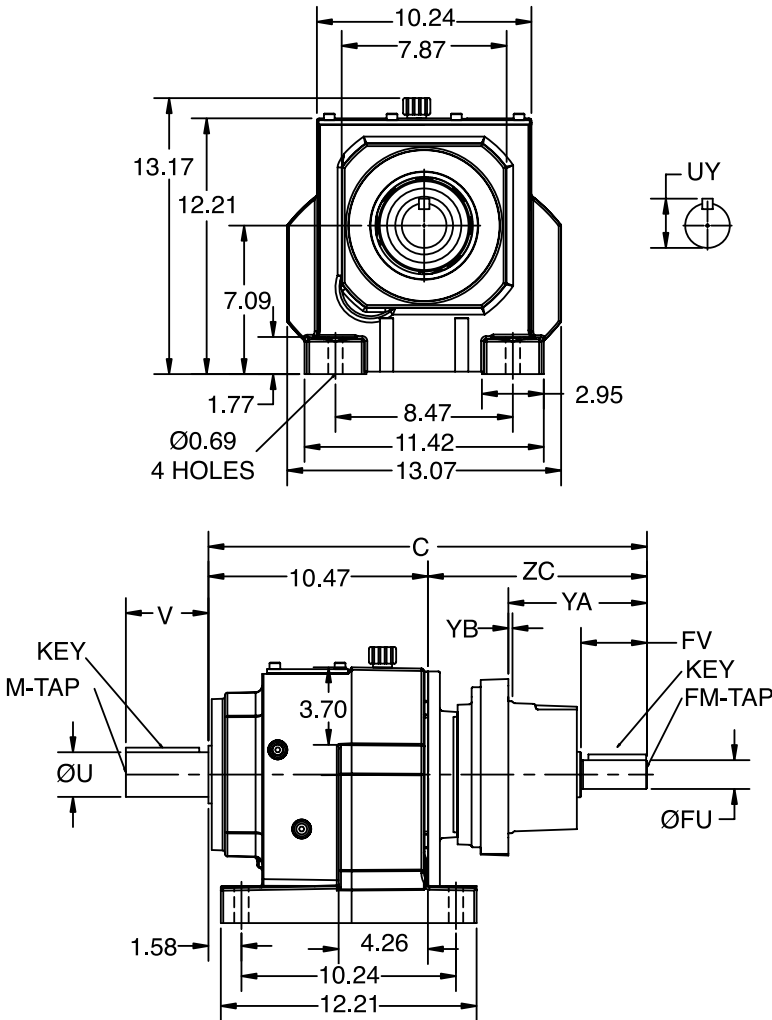
DIMENSIONS



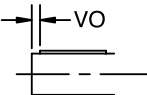
IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB88

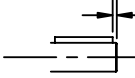
Separate - Foot Mounted
Double/Triple Reduction



METRIC OUTPUT SHAFT



METRIC INPUT SHAFT



NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB88

Separate - Foot Mounted
Double/Triple Reduction

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.125	+0.0000 -0.0010	2.35	3.94	-	1/2 x 1/2 x 3-1/4	3/4 - 10 UNC x 1.65
50	+0.018 +0.002	54	100	10	14 x 9 x 80	M16 x 36

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.375	+0.0000 -0.0010	2.65	4.72	-	5/8 x 5/8 x 3-15/16	3/4 - 10 UNC x 1.65
60	+0.030 +0.011	64	120	10	18 x 11 x 100	M20 x 42

Separate Input

Dimension - Inch/MM

	H88 Double		H88 Triple		FO	FM x Depth	ØFU	tol.	FV	YA	YB	KEY
	C	ZC	C	ZC								
71	-	-	16.38	5.91	-	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
	-	-	416	150	4	M5 x 12.5	16	+0.012 +0.001	40			5 x 5 x 32
80	-	-	17.76	7.29	-	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
	-	-	451	185	4	M6 x 16	19	+0.015 +0.002	40			6 x 6 x 32
90	17.17	6.70	18.15	7.68	-	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
	436	170	461	195	5	M8 x 19	24	+0.015 +0.002	50			8 x 7 x 40
100	17.68	7.21	18.78	8.31	-	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
	449	183	477	211	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
112	17.60	7.13	18.74	8.27	-	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
	447	181	476	210	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
132	20.94	10.47	22.05	11.58	-	3/8-16 UNC x 1.10	1.375	+0.0000 -0.0005	3.15	6.61	0.14	5/16 x 5/16 x 2-3/4
	532	266	560	294	5	M12 x 28	38	+0.018 +0.002	80			10 x 8 x 70
160	22.64	12.17	-	-	-	5/8 x 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
	575	309	-	-	10	M16 x 36	42	+0.018 +0.002	110			12 x 8 x 90

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

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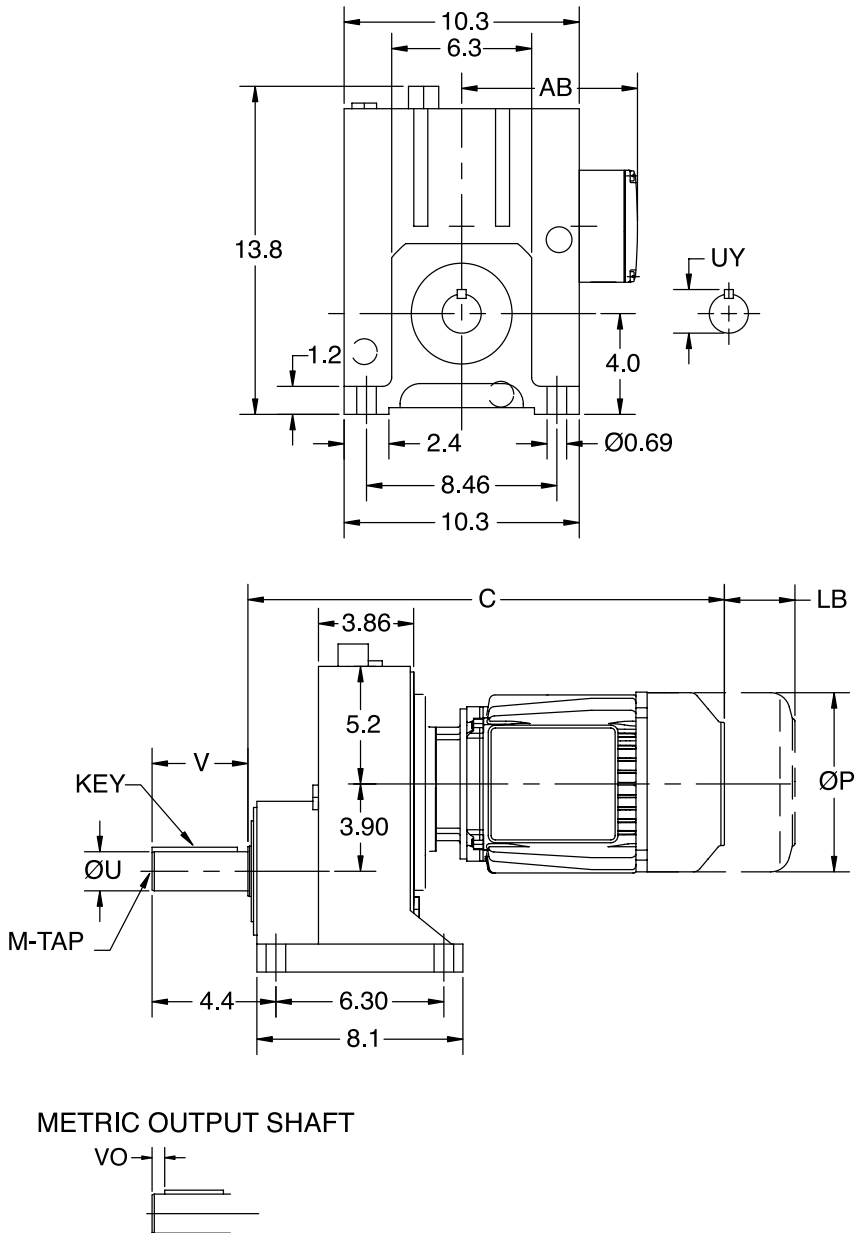
DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

Integral Gearmotor - Foot Mounted
Single Reduction

SIZE: HB88



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DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB88

Integral Gearmotor - Foot Mounted

Single Reduction

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.625	+0.000 -0.001	1.79	3.15	-	3/8 x 3/8 x 2.75	5/8 - 11 UNC
40	+0.018 +0.002	43	80	5	12 x 8 x 70	M16 x 36

Motor

Dimension - Inch/MM

Fame	H88 Single		P	AB
	C	LB		
90H4	17.53	2.52	7.19	5.79
	446	64	183	148
90I4	18.33	2.52	7.19	5.79
	466	64	183	148
100J4	20.32	2.91	7.19	5.79
	517	74	183	148
112L4	21.86	2.91	8.6	6.88
	556	74	219	175
132M4	23.45	3.9	10.28	8.09
	596	99	262	206
132N4	24.95	3.9	10.28	8.09
	634	99	262	206

NOMENCLATURE
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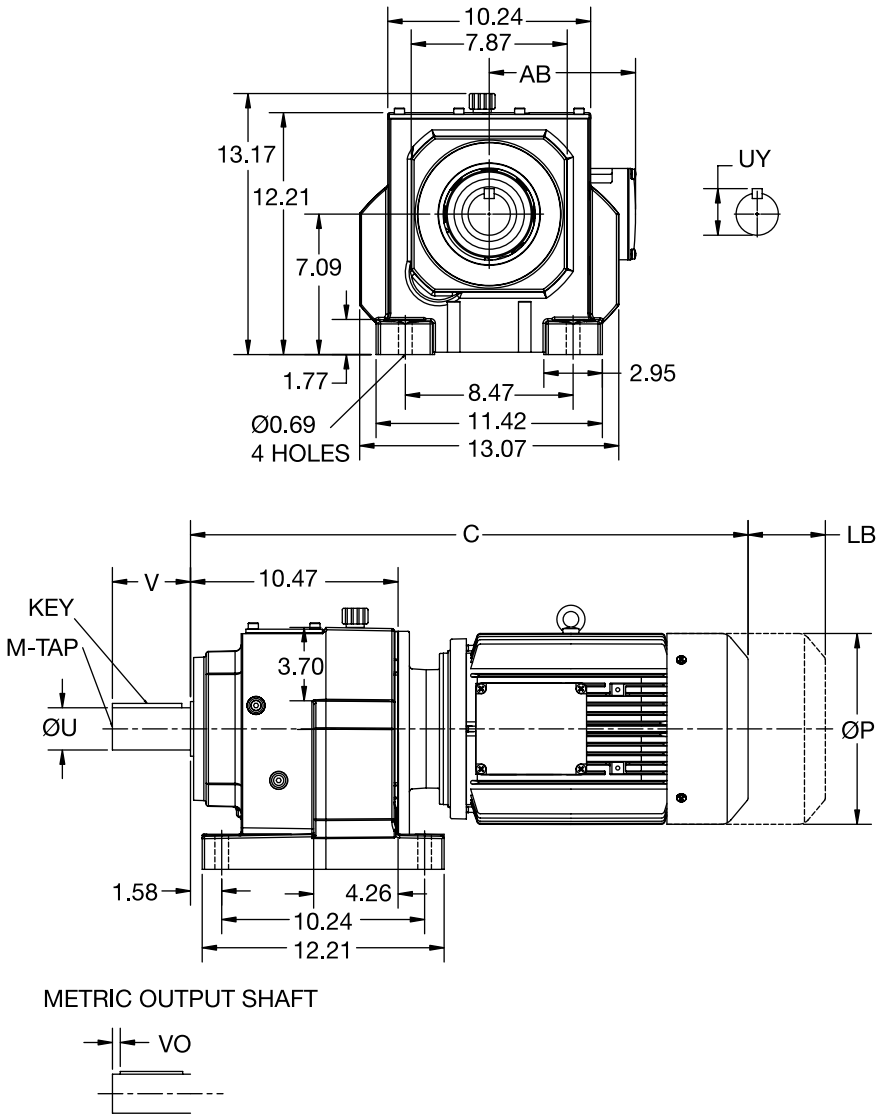
DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

Integral Gearmotor - Foot Mounted
Double/Triple Reduction

SIZE: HB88



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DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB88

Integral Gearmotor - Foot Mounted

Double/Triple Reduction

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.125	+0.0000 -0.0010	2.35	3.94	-	1/2 x 1/2 x 3-1/4	3/4 - 10 UNC x 1.65
50	+0.018 +0.002	54	100	10	14 x 9 x 80	M16 x 36

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.375	+0.0000 -0.0010	2.65	4.72	-	5/8 x 5/8 x 3-15/16	3/4 - 10 UNC x 1.65
60	+0.030 +0.011	64	120	10	18 x 11 x 100	M20 x 42

Motor

Dimension - Inch/MM

Frame	H88 Double		H88 Triple		P	AB
	C	LB	C	LB		
71C4 / 71D4 / 71E4	-	-	20.96	1.81	6.19	5.18
	-	-	533	46	158	132
80F4	-	-	21.1	2.56	6.19	5.12
	-	-	536	65	158	131
80G4	-	-	22.6	2.56	6.19	5.12
	-	-	575	65	158	131
90H4	21.54	2.52	22.53	2.52	7.19	5.79
	548	64	573	64	183	148
90I4	22.43	2.52	23.41	2.52	7.19	5.79
	570	64	595	64	183	148
100J4	24.32	2.91	25.41	2.91	7.19	5.79
	618	74	646	74	183	148
112L4	25.94	2.91	27.08	2.91	8.6	6.88
	659	74	688	74	219	175
132M4	27.5	3.9	28.6	3.9	10.28	8.09
	699	99	727	99	262	206
132N4	29	3.9	-	-	10.28	8.09
	737	99	-	-	262	206

NOMENCLATURE
PAGE ILH-4

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WEIGHTS
PAGE ILH-343

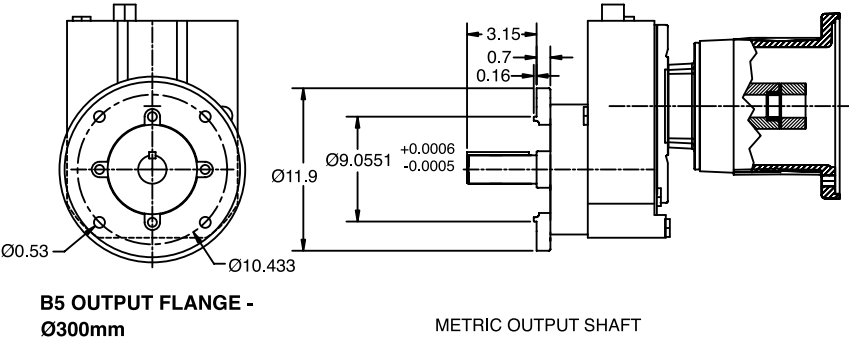
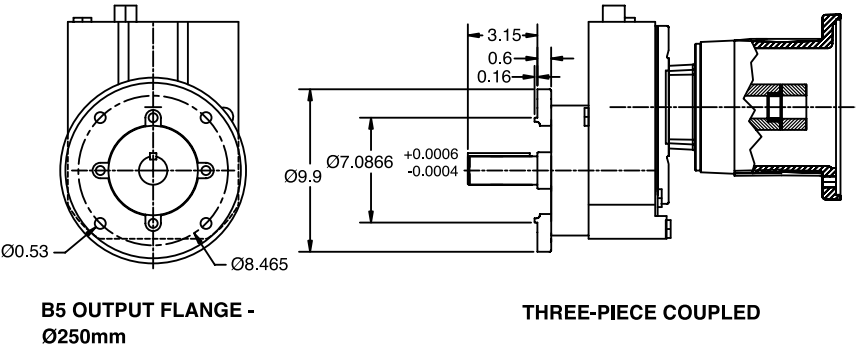
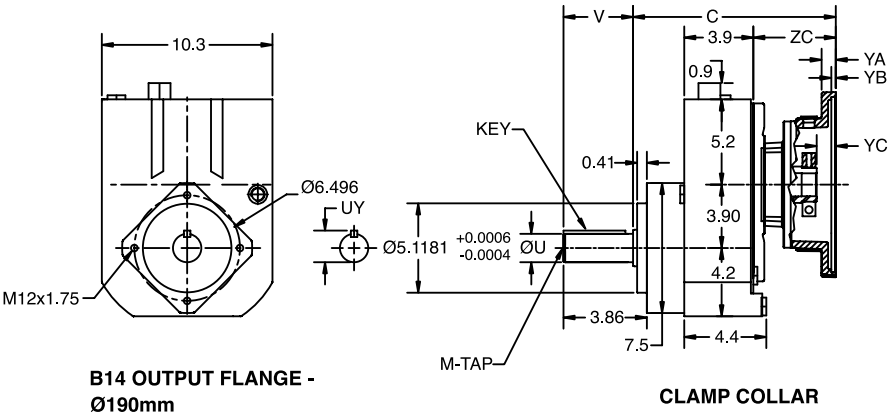
DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF88

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



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DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF88

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.625	+0.000 -0.001	1.79	3.15	-	3/8 x 3/8 x 2.75	5/8 - 11 UNC
40	+0.018 +0.002	43	80	5	12 x 8 x 70	M16 x 36

NEMA Motor Adapter - Clamp Collar

Dimension - Inch

	H88 Single		YA	YB	YC
	C	ZC			
140TC	9.5	3.1	0.47	0.20	0.67
180TC	10.9	4.5	0.73	0.22	0.91
210TC	12.8	6.4	0.69	0.22	0.89
250TC	12.7	6.3	0.95	0.20	1.13

NEMA Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H88 Single		YA	YB	YC
	C	ZC			
140TC	13.4	7.0	0.55	0.20	1.10
180TC	14.5	8.1	0.73	0.22	1.65
210TC	16.4	10.0	0.87	0.22	2.01
250TC	18.4	12.0	0.95	0.20	2.17

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

QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

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IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF88

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.125	+0.0000 -0.0010	2.35	3.94	-	1/2 x 1/2 x 3-1/4	3/4 - 10 UNC x 1.65
50	+0.018 +0.002	54	100	10	14 x 9 x 80	M16 x 36

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.375	+0.0000 -0.0010	2.65	4.72	-	5/8 x 5/8 x 3-15/16	3/4 - 10 UNC x 1.65
60	+0.030 +0.011	64	120	10	18 x 11 x 100	M20 x 42

NEMA Motor Adapter - Clamp Collar

Dimension - Inch

	H88 Double		H88 Triple		YA	YB	YC
	C	ZC	C	ZC			
56C	-	-	13.88	3.41	0.47	0.20	0.67
140TC	13.56	3.09	14.55	4.08	0.47	0.20	0.67
180TC	14.92	4.45	16.06	5.59	0.69	0.22	0.93
210TC	16.85	6.38	17.95	7.48	0.69	0.22	0.89
250TC	16.74	6.27	-	-	0.94	0.20	1.13

NEMA Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H88 Double		H88 Triple		YA	YB	YC
	C	ZC	C	ZC			
56C	-	-	17.01	6.54	0.55	0.20	1.08
140TC	17.44	6.97	18.43	7.96	0.55	0.20	1.10
180TC	18.50	8.03	19.64	9.17	0.87	0.22	1.65
210TC	20.65	10.18	21.75	11.28	0.87	0.22	2.01
250TC	22.60	12.13	-	-	0.94	0.20	2.17

Refer to Engineering-2 for Input Shaft and Flange details

NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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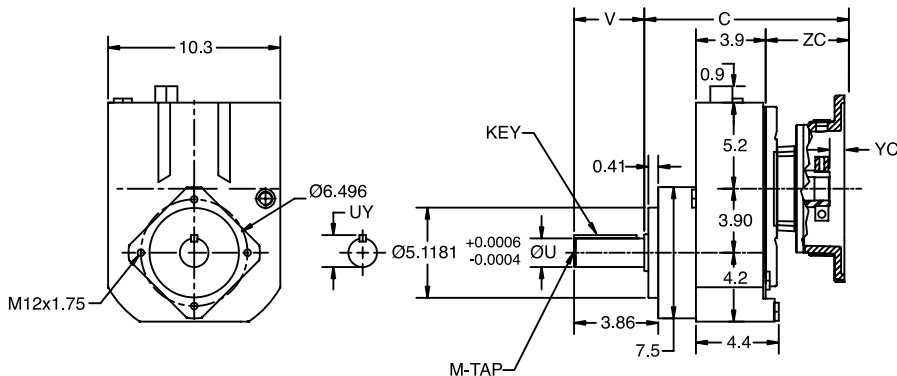
DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

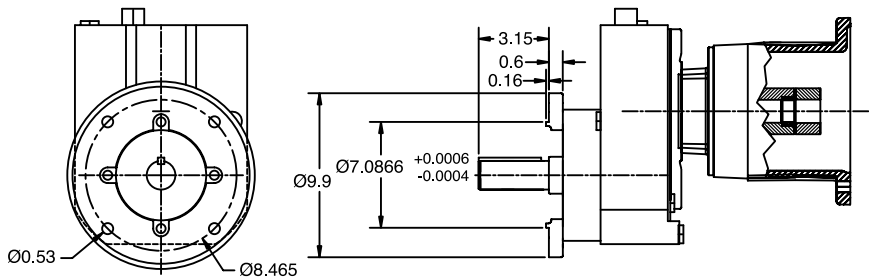
SIZE: HF88

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



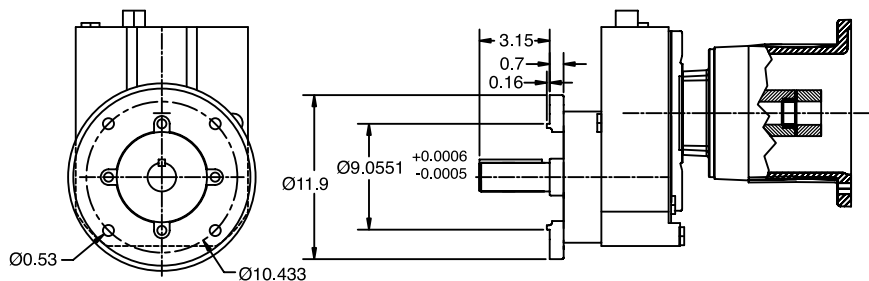
**B14 OUTPUT FLANGE -
Ø190mm**

CLAMP COLLAR



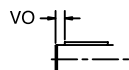
**B5 OUTPUT FLANGE -
Ø250mm**

THREE-PIECE COUPLED



**B5 OUTPUT FLANGE -
Ø300mm**

METRIC OUTPUT SHAFT



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DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF88

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.625	+0.000 -0.001	1.79	3.15	-	3/8 x 3/8 x 2.75	5/8 - 11 UNC
40	+0.018 +0.002	43	80	5	12 x 8 x 70	M16 x 36

IEC Motor Adapter - Clamp Collar

Dimension - Inch

	H88 Single		YC
	C	ZC	
90D	9.1	2.7	0.61
100D	9.3	2.9	0.28
112D	9.5	3.1	0.28
132D	11.1	4.7	0.87
160D	12.8	6.4	0.79

IEC Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H88 Single		YC
	C	ZC	
90D	13.3	6.9	1.02
100D	14.1	7.7	1.18
112D	13.9	7.5	1.18
132D	16.4	10.0	1.77
160D	19.0	12.6	2.60

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

QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

NOMENCLATURE
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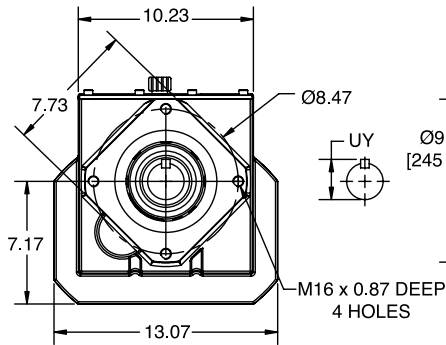
DIMENSIONS



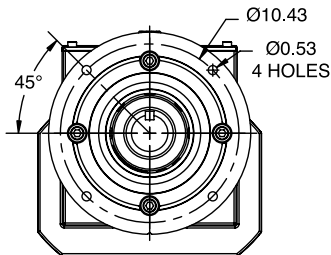
IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF88

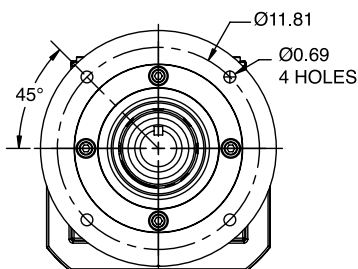
IEC C-Face - Flange Mounted (B5 / B14) - Clamp Collar - 3 Piece Coupled
Double/Triple Reduction



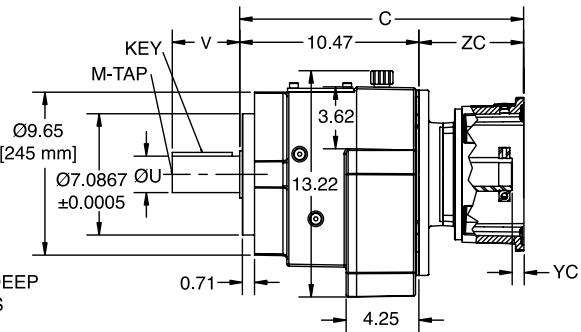
**B14 OUTPUT FLANGE -
Ø245mm**



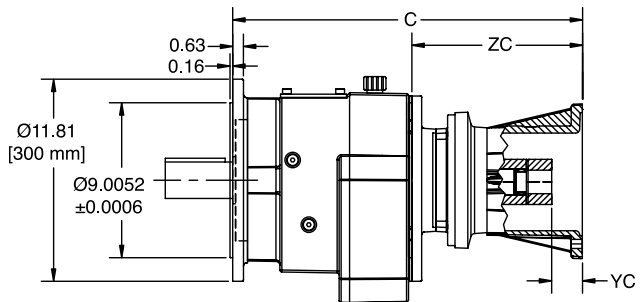
**B5 OUTPUT FLANGE -
Ø300mm**



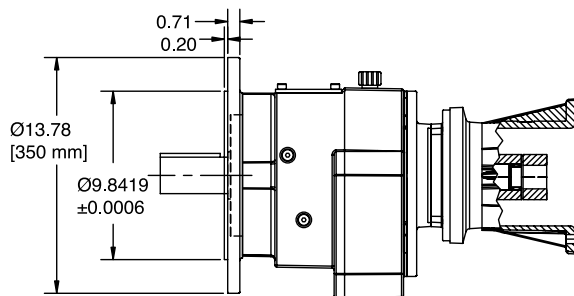
**B5 OUTPUT FLANGE -
Ø350mm**



CLAMP COLLAR



THREE-PIECE COUPLED



METRIC OUTPUT SHAFT

IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF88

IEC C-Face - Flange Mounted (B5 / B14) - Clamp Collar - 3 Piece Coupled
Double/Triple Reduction

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.125	+0.0000 -0.0010	2.35	3.94	-	1/2 x 1/2 x 3-1/4	3/4 - 10 UNC x 1.65
50	+0.018 +0.002	54	100	10	14 x 9 x 80	M16 x 36

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.375	+0.0000 -0.0010	2.65	4.72	-	5/8 x 5/8 x 3-15/16	3/4 - 10 UNC x 1.65
60	+0.030 +0.011	64	120	10	18 x 11 x 100	M20 x 42

IEC Motor Adapter - Clamp Collar

Dimension - Inch

	H88 Double		H88 Triple		YC
	C	ZC	C	ZC	
71D	-	-	13.17	2.70	0.16
80D	-	-	14.11	3.64	0.61
90D	13.13	2.66	14.11	3.64	0.61
100D	13.33	2.86	14.41	3.94	0.28
112D	13.54	3.07	14.69	4.22	0.28
132D	15.16	4.69	16.26	5.79	0.87
160D	16.85	6.38	-	-	0.79

IEC Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H88 Double		H88 Triple		YC
	C	ZC	C	ZC	
80D	-	-	18.35	7.88	0.59
90D	17.36	6.89	18.35	7.88	1.02
100D	18.15	7.68	19.23	8.76	1.18
112D	17.99	7.52	19.13	8.66	1.18
132D	20.41	9.94	21.52	11.05	1.77
160D	23.03	12.56	-	-	2.60

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

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DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF88

Separate - Flange Mounted (B5 / B14)

Single Reduction

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.625	+0.000 -0.001	1.79	3.15	-	3/8 x 3/8 x 2.75	5/8 - 11 UNC
40	+0.018 +0.002	43	80	5	12 x 8 x 70	M16 x 36

Separate Input

Dimension - Inch/MM

	H88 Single		FO	FM x Depth	ØFU	tol.	FV	YA	YB	KEY
	C	ZC								
90	13.1	6.7	-	5/16-18 UNC x 0.75	0.875	+0.0000 -0.0005	1.97	2.8	0.16	3/16 x 3/16 x 1-5/8
	332	170	5	M8 x 19	24	+0.015 +0.002	50			8 x 7 x 40
100	13.6	7.2	-	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
	345	183	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
112	13.5	7.1	-	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
	343	181	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
132	16.9	10.5	-	3/8-16 UNC x 1.10	1.375	+0.0000 -0.0005	3.15	6.61	0.14	5/16 x 5/16 x 2-3/4
	428	266	5	M12 x 28	38	+0.018 +0.002	80			10 x 8 x 70
160	18.6	12.2	-	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
	471	309	10	M16 x 36	42	+0.018 +0.002	110			12 x 8 x 90

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

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DIMENSIONS

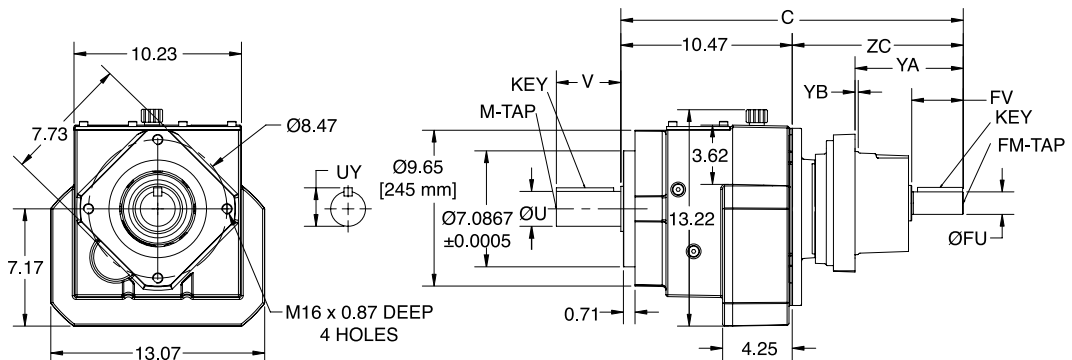


IN-LINE HELICAL GEAR REDUCER (ILH)

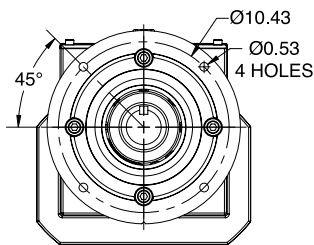
Separate - Flange Mounted (B5 / B14)

Double/Triple Reduction

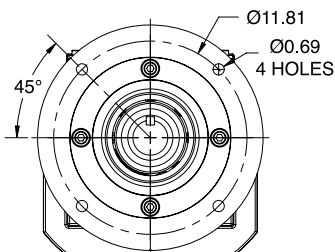
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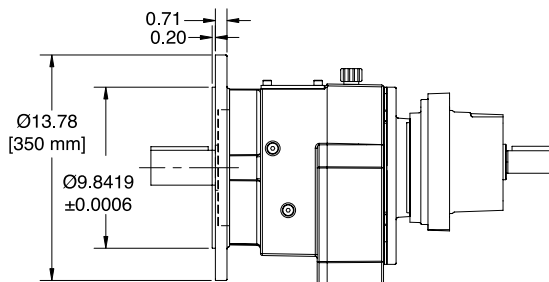
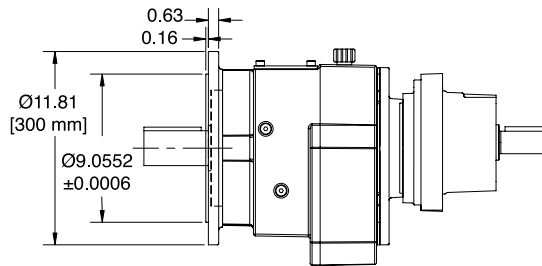
**B14 OUTPUT FLANGE -
Ø245mm**



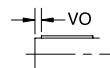
**B5 OUTPUT FLANGE -
Ø300mm**



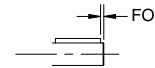
**B5 OUTPUT FLANGE -
Ø350mm**



METRIC OUTPUT SHAFT



METRIC INPUT SHAFT



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF88

Separate - Flange Mounted (B5 / B14)

Double/Triple Reduction

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.125	+0.0000 -0.0010	2.35	3.94	-	1/2 x 1/2 x 3-1/4	3/4 - 10 UNC x 1.65
50	+0.018 +0.002	54	100	10	14 x 9 x 80	M16 x 36

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.375	+0.0000 -0.0010	2.65	4.72	-	5/8 x 5/8 x 3-15/16	3/4 - 10 UNC x 1.65
60	+0.030 +0.011	64	120	10	18 x 11 x 100	M20 x 42

Separate Input

Dimension - Inch/MM

	H88 Double		H88 Triple		FO	FM x Depth	ØFU	tol.	FV	YA	YB	KEY
	C	ZC	C	ZC								
71	-	-	16.38	5.91	-	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
	-	-	416	150	4	M5 x 12.5	16	+0.012 +0.001	40			5 x 5 x 32
80	-	-	17.76	7.29	-	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
	-	-	451	185	4	M6 x 16	19	+0.015 +0.002	40			6 x 6 x 32
90	17.17	6.70	18.15	7.68	-	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
	436	170	461	195	5	M8 x 19	24	+0.015 +0.002	50			8 x 7 x 40
100	17.68	7.21	18.78	8.31	-	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
	449	183	477	211	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
112	17.60	7.13	18.74	8.27	-	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
	447	181	476	210	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
132	20.94	10.47	22.05	11.58	-	3/8-16 UNC x 1.10	1.375	+0.0000 -0.0005	3.15	6.61	0.14	5/16 x 5/16 x 2-3/4
	532	266	560	294	5	M12 x 28	38	+0.018 +0.002	80			10 x 8 x 70
160	22.64	12.17	-	-	-	5/8 x 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
	575	309	-	-	10	M16 x 36	42	+0.018 +0.002	110			12 x 8 x 90

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

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DIMENSIONS

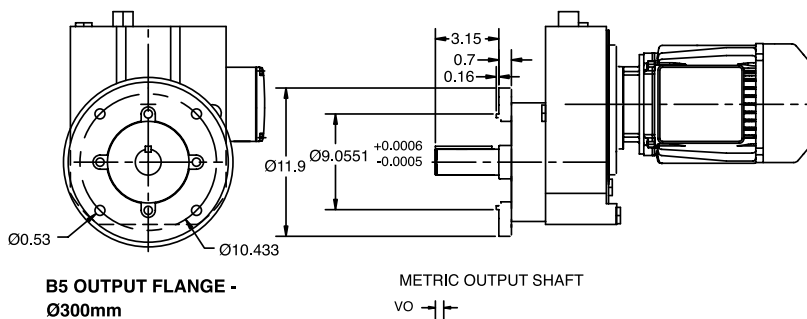
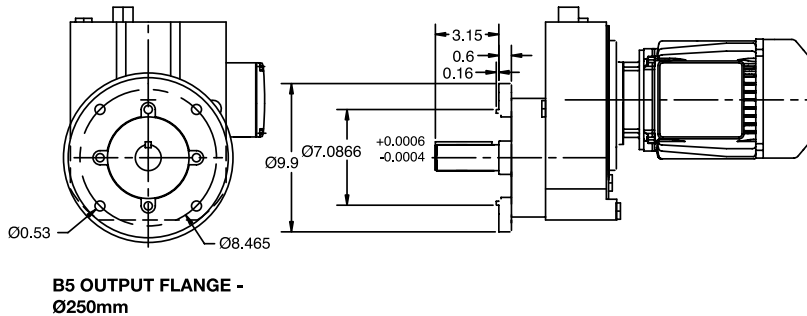
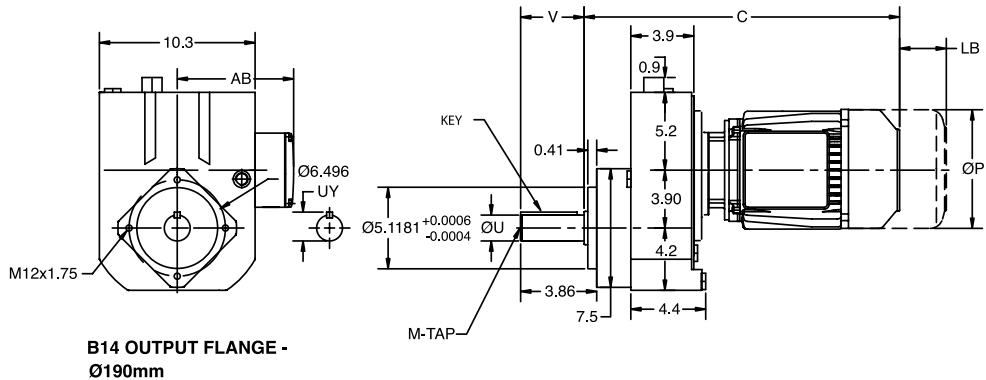


IN-LINE HELICAL GEAR REDUCER (ILH)

Integral Gearmotor - Flange Mounted (B5 / B14)

Single Reduction

SIZE: HF88



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DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH) Integral Gearmotor - Flange Mounted (B5 / B14) Single Reduction

SIZE: HF88

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
1.625	+0.000 -0.001	1.79	3.15	-	3/8 x 3/8 x 2.75	5/8 - 11 UNC
40	+0.018 +0.002	43	80	5	12 x 8 x 70	M16 x 36

Motor

Dimension - Inch/MM

Frame	H88 Single		P	AB
	C	LB		
90H4	17.53	2.52	7.19	5.79
	446	64	183	148
90I4	18.33	2.52	7.19	5.79
	466	64	183	148
100J4	20.32	2.91	7.19	5.79
	517	74	183	148
112L4	21.86	2.91	8.6	6.88
	556	74	219	175
132M4	23.45	3.9	10.28	8.09
	596	99	262	206
132N4	24.95	3.9	10.28	8.09
	634	99	262	206

QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

NOMENCLATURE
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PAGE ILH-67

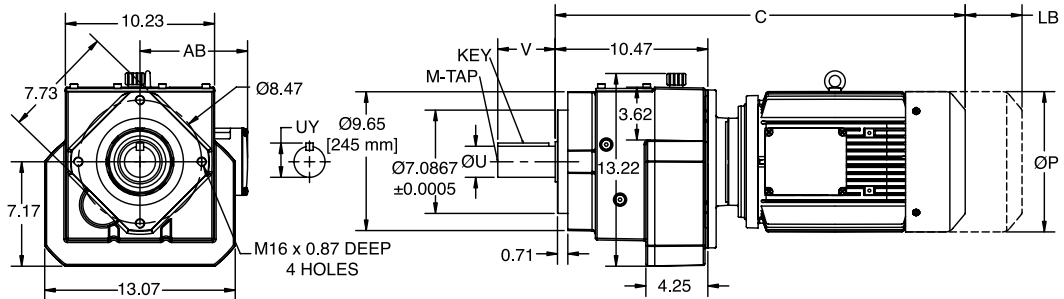
WEIGHTS
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DIMENSIONS

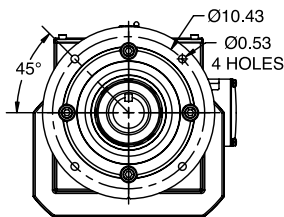


IN-LINE HELICAL GEAR REDUCER (ILH) Integral Gearmotor - Flange Mounted (B5 / B14) Double/Triple Reduction

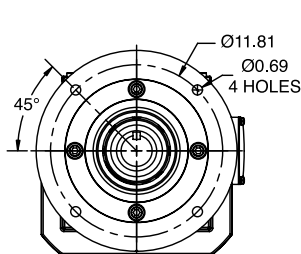
SIZE: HF88



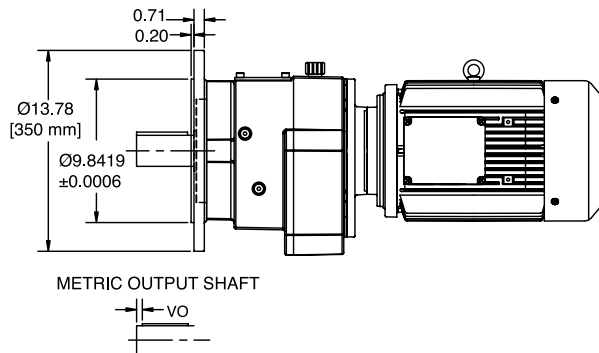
**B14 OUTPUT FLANGE -
245mm**



**B5 OUTPUT FLANGE -
300mm**



**B5 OUTPUT FLANGE -
350mm**



DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF88

Integral Gearmotor - Flange Mounted (B5 / B14)

Double/Triple Reduction

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.125	+0.0000 -0.0010	2.35	3.94	-	1/2 x 1/2 x 3-1/4	3/4 - 10 UNC x 1.65
50	+0.018 +0.002	54	100	10	14 x 9 x 80	M16 x 36

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.375	+0.0000 -0.0010	2.65	4.72	-	5/8 x 5/8 x 3-15/16	3/4 - 10 UNC x 1.65
60	+0.030 +0.011	64	120	10	18 x 11 x 100	M20 x 42

Motor

Dimension - Inch/MM

Frame	H88 Double		H88 Triple		P	AB
	C	LB	C	LB		
71C4 / 71D4 / 71E4	-	-	20.96	1.81	6.19	5.18
	-	-	533	46	158	132
80F4	-	-	21.1	2.56	6.19	5.12
	-	-	536	65	158	131
80G4	-	-	22.6	2.56	6.19	5.12
	-	-	575	65	158	131
90H4	21.54	2.52	22.53	2.52	7.19	5.79
	548	64	573	64	183	148
90I4	22.43	2.52	23.41	2.52	7.19	5.79
	570	64	595	64	183	148
100J4	24.32	2.91	25.41	2.91	7.19	5.79
	618	74	646	74	183	148
112L4	25.94	2.91	27.08	2.91	8.6	6.88
	659	74	688	74	219	175
132M4	27.5	3.9	28.6	3.9	10.28	8.09
	699	99	727	99	262	206
132N4	29	3.9	-	-	10.28	8.09
	737	99	-	-	262	206

NOMENCLATURE
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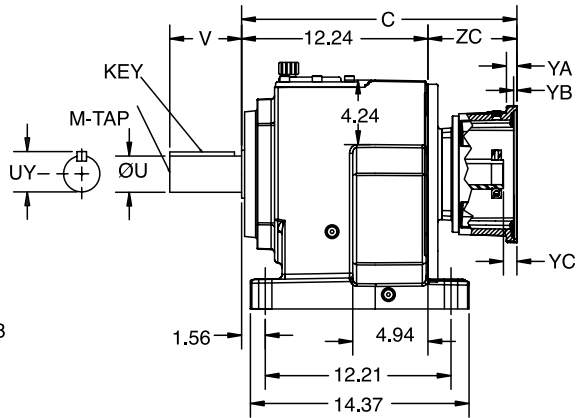
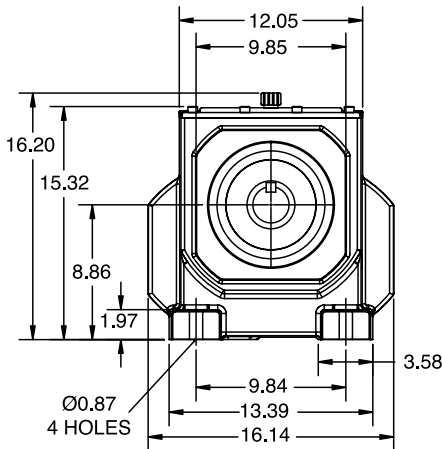
DIMENSIONS



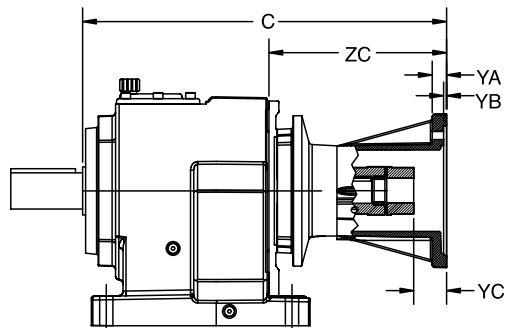
IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB108

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

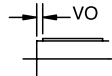


CLAMP COLLAR



THREE-PIECED COUPLED

METRIC OUTPUT SHAFT



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DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB108

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.375	+0.0000 -0.0010	2.65	4.72	-	5/8 x 5/8 x 3-15/16	3/4-10 UNC x 1.65
60	+0.030 +0.011	64	120	10	18 x 11 x 100	M20 x 42

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.875	+0.0000 -0.0010	3.20	5.51	-	3/4 x 3/4 x 4-1/2	3/4 - 10 UNC x 1.65
70	+0.030 +0.011	75	140	15	20 x 12 x 110	M20 x 42

NEMA Motor Adapter - Clamp Collar

Dimension - Inch

	H108 Double		H108 Triple		YA	YB	YC
	C	ZC	C	ZC			
140TC	-	-	16.08	3.84	0.47	0.20	0.67
180TC	-	-	17.48	5.24	0.73	0.22	0.91
210TC	18.14	5.90	19.42	7.18	0.69	0.22	0.89
250TC	18.12	5.88	19.28	7.04	0.95	0.20	1.13
280TC	18.86	6.62	-	-	0.95	0.20	1.30

NEMA Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H108 Double		H108 Triple		YA	YB	YC
	C	ZC	C	ZC			
140TC	-	-	19.96	7.72	0.55	0.20	1.10
180TC	-	-	21.06	8.82	0.73	0.22	1.65
210TC	21.93	9.69	23.21	10.97	0.87	0.22	2.01
250TC	23.92	11.68	25.08	12.84	0.95	0.20	2.17
280TC	26.61	14.37	-	-	0.95	0.20	2.57

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

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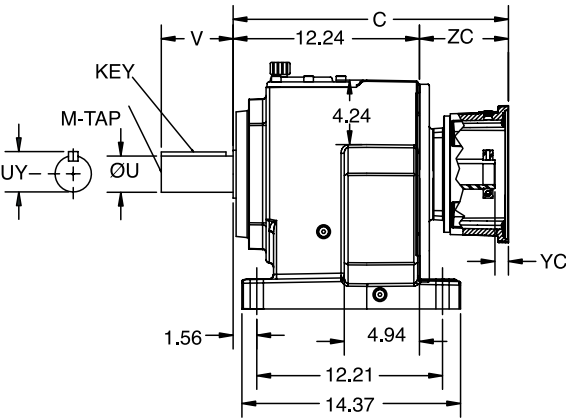
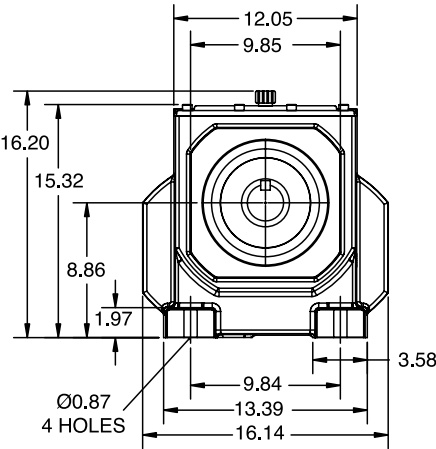
DIMENSIONS



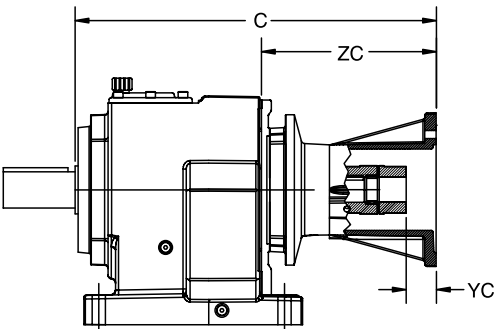
IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB108

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



CLAMP COLLAR



THREE-PIECED COUPLED

METRIC OUTPUT SHAFT



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IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB108

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.375	+0.0000 -0.0010	2.65	4.72	-	5/8 x 5/8 x 3-15/16	3/4-10 UNC x 1.65
60	+0.030 +0.011	64	120	10	18 x 11 x 100	M20 x 42

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.875	+0.0000 -0.0010	3.20	5.51	-	3/4 x 3/4 x 4-1/2	3/4 - 10 UNC x 1.65
70	+0.030 +0.011	75	140	15	20 x 12 x 110	M20 x 42

IEC Motor Adapter - Clamp Collar

Dimension - Inch

	H108 Double		H108 Triple		YC
	C	ZC	C	ZC	
80D	-	-	15.65	3.41	0.61
90D	-	-	15.65	3.41	0.61
100D	-	-	15.94	3.70	0.28
112D	14.86	2.62	16.10	3.86	0.28
132D	16.44	4.20	17.72	5.48	0.87
160D	18.17	5.93	19.33	7.09	0.79
180D	18.70	6.46	-	-	0.85
200D	19.09	6.85	-	-	1.18

IEC Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H108 Double		H108 Triple		YC
	C	ZC	C	ZC	
80D	-	-	19.88	7.64	0.59
90D	-	-	19.88	7.64	1.02
100D	-	-	20.77	8.53	1.18
112D	19.31	7.07	20.55	8.31	1.18
132D	21.69	9.45	22.97	10.73	1.77
160D	24.35	12.11	25.51	13.27	2.60
180D	26.34	14.10	-	-	2.32
200D	26.38	14.14	-	-	2.36

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

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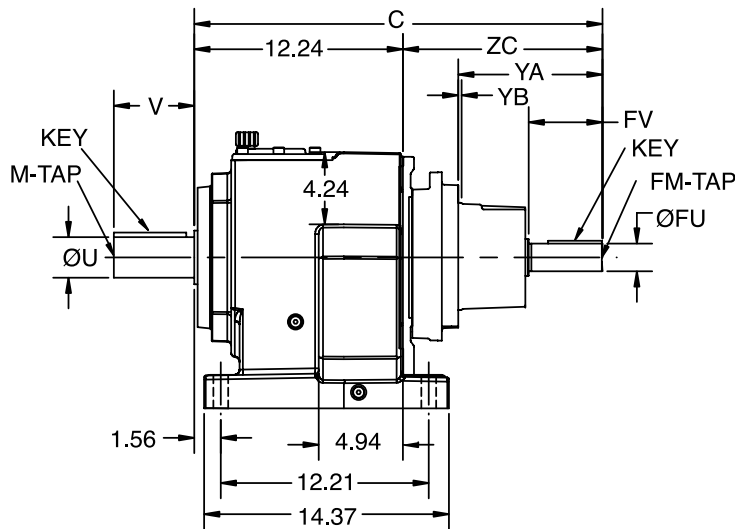
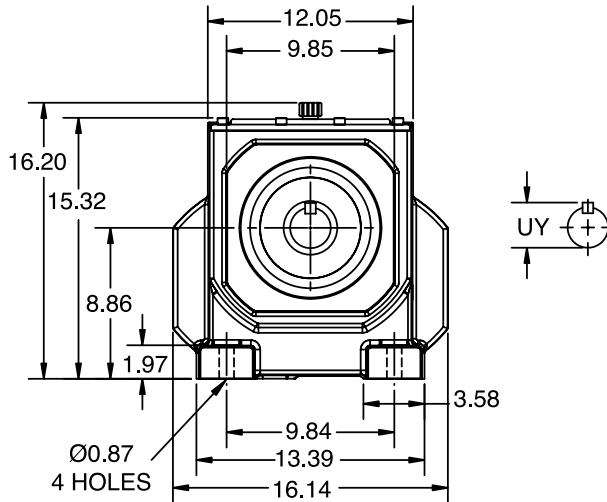
DIMENSIONS



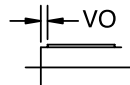
IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB108

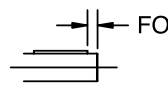
Separate - Foot Mounted
Double/Triple Reduction



METRIC OUTPUT SHAFT



METRIC INPUT SHAFT



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IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB108

Separate - Foot Mounted
Double/Triple Reduction

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.375	+0.0000 -0.0010	2.65	4.72	-	5/8 x 5/8 x 3-15/16	3/4-10 UNC x 1.65
60	+0.030 +0.011	64	120	10	18 x 11 x 100	M20 x 42

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.875	+0.0000 -0.0010	3.20	5.51	-	3/4 x 3/4 x 4-1/2	3/4 - 10 UNC x 1.65
70	+0.030 +0.011	75	140	15	20 x 12 x 110	M20 x 42

Separate Input

Dimension - Inch/MM

	H108 Double		H108 Triple		FO	FM x Depth	ØFU	tol.	FV	YA	YB	KEY
	C	ZC	C	ZC								
80	-	-	19.29	7.05	-	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
	-	-	490	179	4	M6 x 16	19	+0.015 +0.002	40			6 x 6 x 32
90	-	-	19.69	7.45	-	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
	-	-	500	189	5	M8 x 19	24	+0.015 +0.002	50			8 x 7 x 40
100	-	-	20.31	8.07	-	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
	-	-	516	205	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
112	18.94	6.70	20.16	7.92	-	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
	481	170	512	201	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
132	22.20	9.96	23.50	11.26	-	3/8-16 UNC x 1.10	1.375	+0.0000 -0.0005	3.15	6.61	0.14	5/16 x 5/16 x 2-3/4
	564	253	597	286	5	M12 x 28	38	+0.018 +0.002	80			10 x 8 x 70
160	23.98	11.74	25.12	12.88	-	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
	609	298	638	327	10	M16 x 36	42	+0.018 +0.002	110			12 x 8 x 90
180	24.76	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
	629	318	-	-	10	M20 x 42	55	+0.030 +0.011	110			16 x 10 x 90

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

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DIMENSIONS

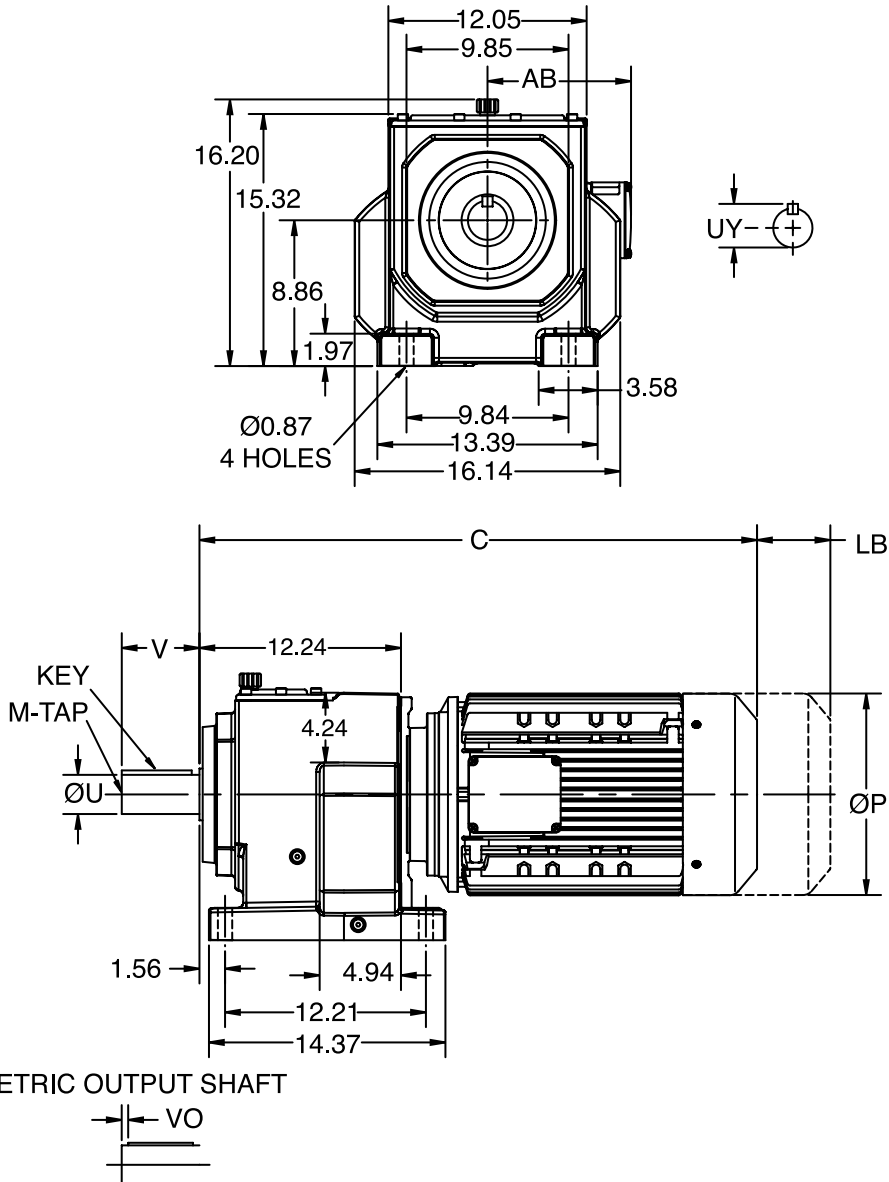


IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB108

Integral Gearmotor - Foot Mounted

Double/Triple Reduction



DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB108

Integral Gearmotor - Foot Mounted

Double/Triple Reduction

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.375	+0.0000 -0.0010	2.65	4.72	-	5/8 x 5/8 x 3-15/16	3/4-10 UNC x 1.65
60	+0.030 +0.011	64	120	10	18 x 11 x 100	M20 x 42

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.875	+0.0000 -0.0010	3.20	5.51	-	3/4 x 3/4 x 4-1/2	3/4 - 10 UNC x 1.65
70	+0.030 +0.011	75	140	15	20 x 12 x 110	M20 x 42

Motor

Dimension - Inch/MM

Frame	H108 Double		H108 Triple		P	AB
	C	LB	C	LB		
80F4	-	-	22.64	2.56	6.19	5.12
	-	-	576	65	158	131
80G4	-	-	24.14	2.56	6.19	5.12
	-	-	614	65	158	131
90H4	-	-	24.06	2.52	7.19	5.79
	-	-	612	64	183	148
90I4	-	-	24.95	2.52	7.19	5.79
	-	-	634	64	183	148
100J4	-	-	26.95	2.91	7.19	5.79
	-	-	685	74	183	148
112L4	27.26	2.91	28.5	2.91	8.6	6.88
	693	74	724	74	219	175
132M4	28.78	3.9	30.06	3.9	10.28	8.09
	732	99	764	99	262	206
132N4	30.28	3.9	31.56	3.9	10.28	8.09
	770	99	802	99	262	206

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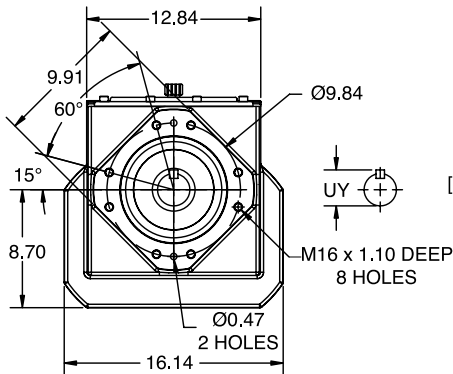
DIMENSIONS



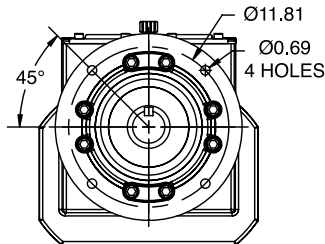
IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF108

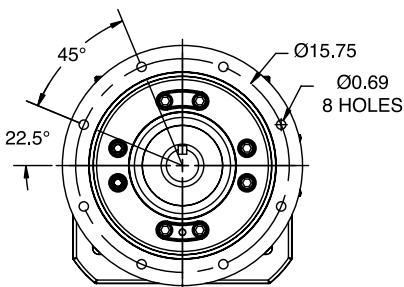
NEMA C-Face - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled
Double/Triple Reduction



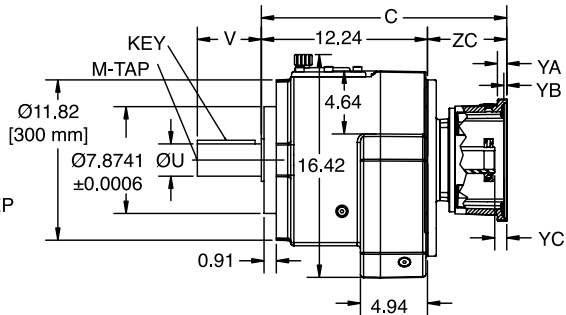
**B14 OUTPUT FLANGE -
Ø300mm**



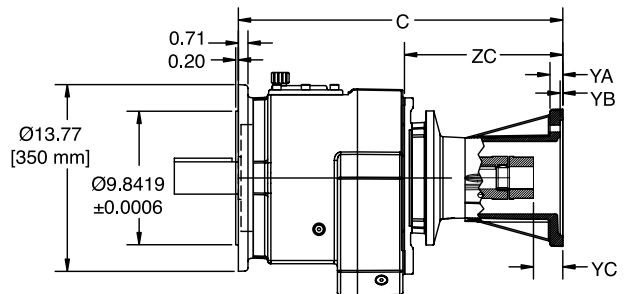
**B5 OUTPUT FLANGE -
Ø350mm**



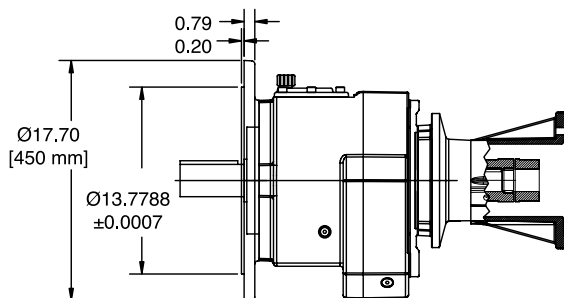
**B5 OUTPUT FLANGE -
Ø450mm**



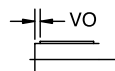
CLAMP COLLAR



THREE-PIECE COUPLED



METRIC OUTPUT SHAFT



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IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF108

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.375	+0.0000 -0.0010	2.65	4.72	-	5/8 x 5/8 x 3-15/16	3/4-10 UNC x 1.65
60	+0.030 +0.011	64	120	10	18 x 11 x 100	M20 x 42

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.875	+0.0000 -0.0010	3.20	5.51	-	3/4 x 3/4 x 4-1/2	3/4 - 10 UNC x 1.65
70	+0.030 +0.011	75	140	15	20 x 12 x 110	M20 x 42

NEMA Motor Adapter - Clamp Collar

Dimension - Inch

	H108 Double		H108 Triple		YA	YB	YC
	C	ZC	C	ZC			
140TC	-	-	16.08	3.84	0.47	0.20	0.67
180TC	-	-	17.48	5.24	0.69	0.22	0.93
210TC	18.14	5.90	19.42	7.18	0.69	0.22	0.89
250TC	18.12	5.88	19.28	7.04	0.94	0.20	1.13
280TC	18.86	6.62	-	-	0.94	0.20	1.30

NEMA Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H108 Double		H108 Triple		YA	YB	YC
	C	ZC	C	ZC			
140TC	-	-	19.96	7.72	0.55	0.20	1.10
180TC	-	-	21.06	8.82	0.87	0.22	1.65
210TC	21.93	9.69	23.21	10.97	0.87	0.22	2.01
250TC	23.92	11.68	25.08	12.84	0.94	0.20	2.17
280TC	26.61	14.37	-	-	0.94	0.20	2.57

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

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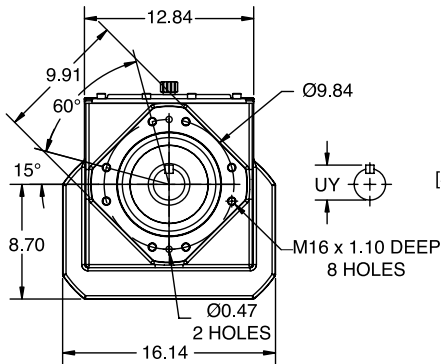
DIMENSIONS



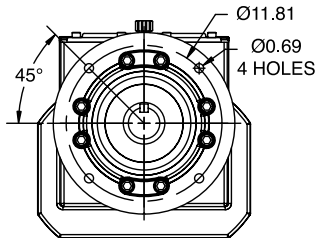
IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF108

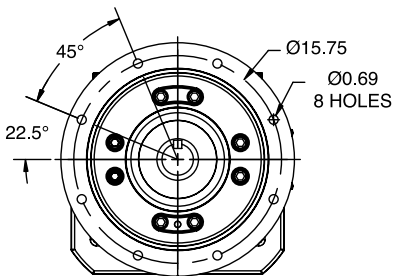
IEC D Flange (B5 Input) - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled
Double/Triple Reduction



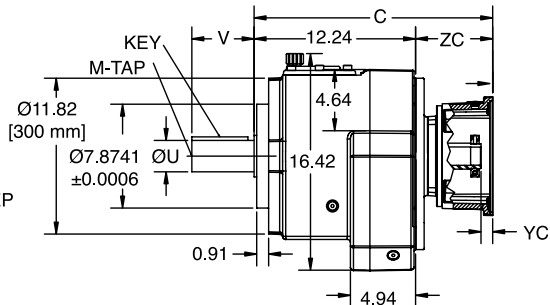
**B14 OUTPUT FLANGE -
Ø300mm**



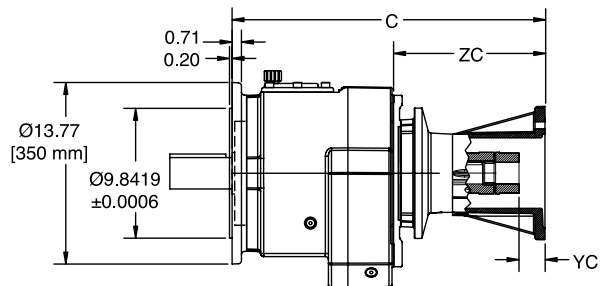
**B5 OUTPUT FLANGE -
Ø350mm**



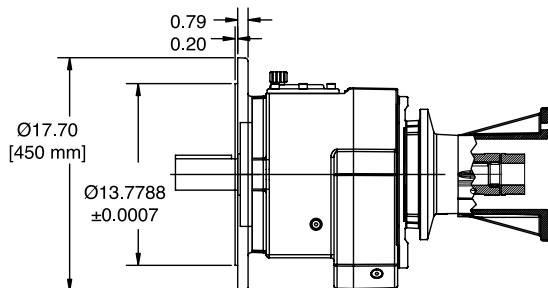
**B5 OUTPUT FLANGE -
Ø450mm**



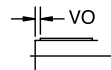
CLAMP COLLAR



THREE-PIECE COUPLED



METRIC OUTPUT SHAFT



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IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF108

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.375	+0.0000 -0.0010	2.65	4.72	-	5/8 x 5/8 x 3-15/16	3/4-10 UNC x 1.65
60	+0.030 +0.011	64	120	10	18 x 11 x 100	M20 x 42

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.875	+0.0000 -0.0010	3.20	5.51	-	3/4 x 3/4 x 4-1/2	3/4 - 10 UNC x 1.65
70	+0.030 +0.011	75	140	15	20 x 12 x 110	M20 x 42

IEC Motor Adapter - Clamp Collar

Dimension - Inch

	H108 Double		H108 Triple		YC
	C	ZC	C	ZC	
80D	-	-	15.65	3.41	0.61
90D	-	-	15.65	3.41	0.61
100D	-	-	15.94	3.70	0.28
112D	14.86	2.62	16.10	3.86	0.28
132D	16.44	4.20	17.72	5.48	0.87
160D	18.17	5.93	19.33	7.09	0.79
180D	18.70	6.46	-	-	0.85
200D	19.09	6.85	-	-	1.18

IEC Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H108 Double		H108 Triple		YC
	C	ZC	C	ZC	
80D	-	-	19.88	7.64	0.59
90D	-	-	19.88	7.64	1.02
100D	-	-	20.77	8.53	1.18
112D	19.31	7.07	20.55	8.31	1.18
132D	21.69	9.45	22.97	10.73	1.77
160D	24.35	12.11	25.51	13.27	2.60
180D	26.34	14.10	-	-	2.32
200D	26.38	14.14	-	-	2.36

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

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DIMENSIONS

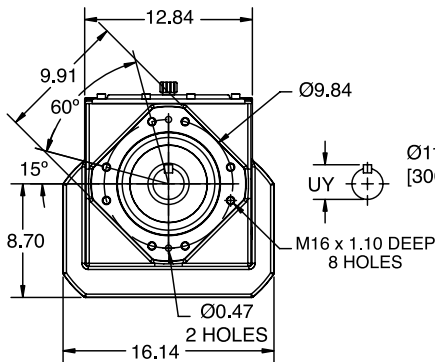


IN-LINE HELICAL GEAR REDUCER (ILH)

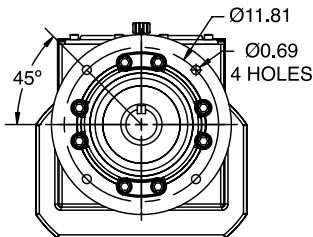
SIZE: HF108

Separate - Flange Mounted (B5 / B14)

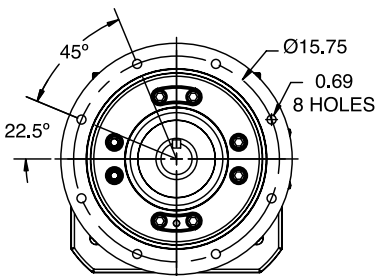
Double/Triple Reduction



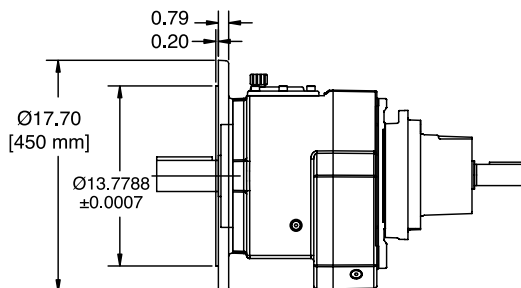
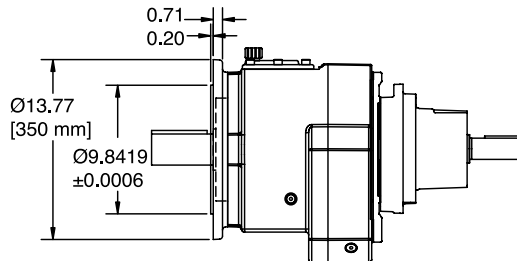
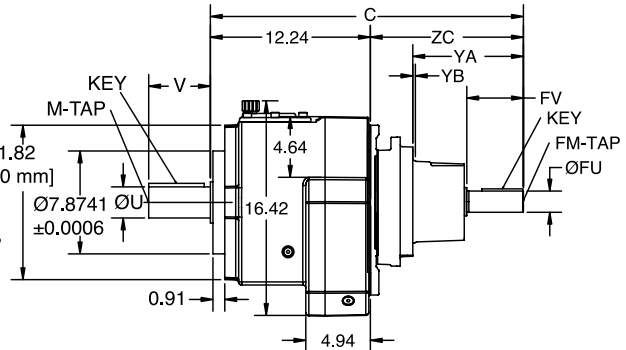
**B14 OUTPUT FLANGE -
Ø300MM**



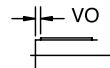
**B5 OUTPUT FLANGE -
Ø350mm**



**B5 OUTPUT FLANGE -
Ø450mm**



METRIC OUTPUT SHAFT



METRIC INPUT SHAFT



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IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF108

Separate - Flange Mounted (B5 / B14)

Double/Triple Reduction

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.375	+0.0000 -0.0010	2.65	4.72	-	5/8 x 5/8 x 3-15/16	3/4-10 UNC x 1.65
60	+0.030 +0.011	64	120	10	18 x 11 x 100	M20 x 42

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.875	+0.0000 -0.0010	3.20	5.51	-	3/4 x 3/4 x 4-1/2	3/4 - 10 UNC x 1.65
70	+0.030 +0.011	75	140	15	20 x 12 x 110	M20 x 42

Separate Input

Dimension - Inch/MM

	H108 Double		H108 Triple		FO	FM x Depth	ØFU	tol.	FV	YA	YB	KEY
	C	ZC	C	ZC								
80	-	-	19.29	7.05	-	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
	-	-	490	179	4	M6 x 16	19	+0.015 +0.002	40			6 x 6 x 32
90	-	-	19.69	7.45	-	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
	-	-	500	189	5	M8 x 19	24	+0.015 +0.002	40			8 x 7 x 40
100	-	-	20.31	8.07	-	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
	-	-	516	205	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
112	18.94	6.70	20.16	7.92	-	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
	481	170	512	201	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
132	22.20	9.96	23.50	11.26	-	3/8-16 UNC x 1.10	1.375	+0.0000 -0.0005	3.15	6.61	0.14	5/16 x 5/16 x 2-3/4
	564	253	597	286	5	M12 x 28	38	+0.018 +0.002	80			10 x 8 x 70
160	23.98	11.74	25.12	12.88	-	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
	609	298	638	327	10	M16 x 36	42	+0.018 +0.002	110			12 x 8 x 90
180	24.76	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
	629	318	-	-	10	M20 x 42	55	+0.030 +0.011	110			16 x 10 x 90

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

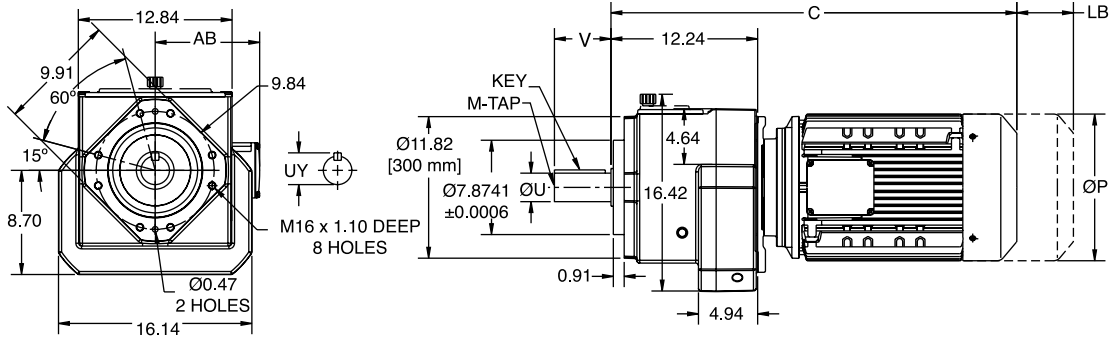
NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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DIMENSIONS

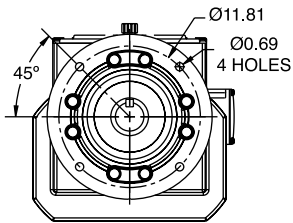


IN-LINE HELICAL GEAR REDUCER (ILH) Integral Gearmotor - Flange Mounted (B5 / B14) Double/Triple Reduction

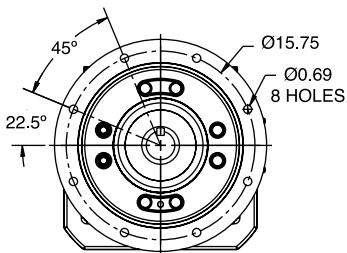
SIZE: HF108



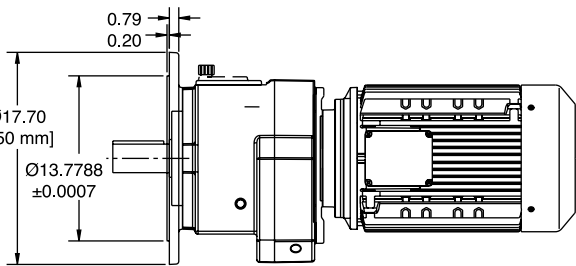
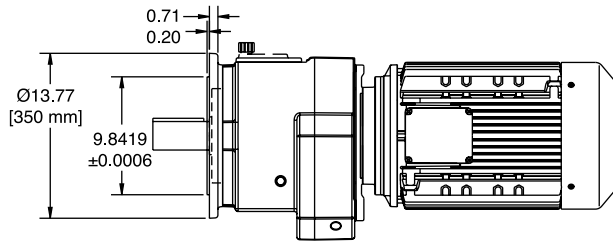
**B14 OUTPUT FLANGE -
Ø300mm**



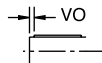
**B5 OUTPUT FLANGE -
Ø350mm**



**B5 OUTPUT FLANGE -
Ø450mm**



METRIC OUTPUT SHAFT



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IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF108

Integral Gearmotor - Flange Mounted (B5 / B14)

Double/Triple Reduction

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.375	+0.0000 -0.0010	2.65	4.72	-	5/8 x 5/8 x 3-15/16	3/4-10 UNC x 1.65
60	+0.030 +0.011	64	120	10	18 x 11 x 100	M20 x 42

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.875	+0.0000 -0.0010	3.20	5.51	-	3/4 x 3/4 x 4-1/2	3/4 - 10 UNC x 1.65
70	+0.030 +0.011	75	140	15	20 x 12 x 110	M20 x 42

Motor

Dimension - Inch/MM

Frame	H108 Double		H108 Triple		P	AB
	C	LB	C	LB		
80F4	-	-	22.64	2.56	6.19	5.12
	-	-	576	65	158	131
80G4	-	-	24.14	2.56	6.19	5.12
	-	-	614	65	158	131
90H4	-	-	24.06	2.52	7.19	5.79
	-	-	612	64	183	148
90I4	-	-	24.95	2.52	7.19	5.79
	-	-	634	64	183	148
100J4	-	-	26.95	2.91	7.19	5.79
	-	-	685	74	183	148
112L4	27.26	2.91	28.5	2.91	8.6	6.88
	693	74	724	74	219	175
132M4	28.78	3.9	30.06	3.9	10.28	8.09
	732	99	764	99	262	206
132N4	30.28	3.9	31.56	3.9	10.28	8.09
	770	99	802	99	262	206

NOMENCLATURE
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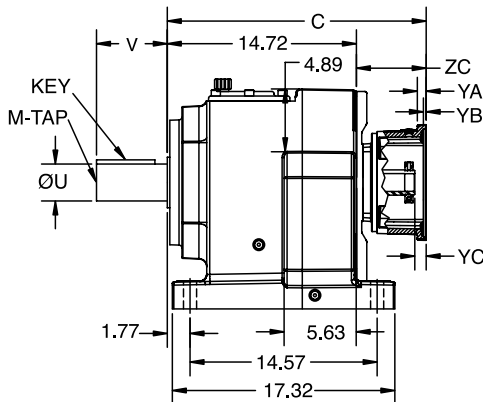
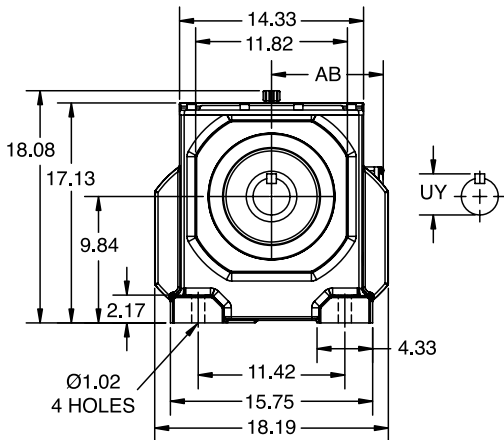
DIMENSIONS



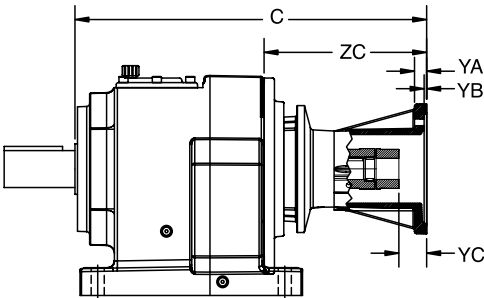
IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB128

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

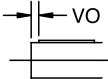


CLAMP COLLAR



THREE-PIECE COUPLED

METRIC OUTPUT SHAFT



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IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB128

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.875	+0.0000 -0.0010	3.20	5.51	-	3/4 x 3/4 x 4-1/2	3/4 - 10 UNC x 1.65
70	+0.030 +0.011	75	140	15	20 x 12 x 110	M20 x 42

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
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
90	+0.035 +0.013	95	170	15	25 x 14 x 140	M24 x 50

NEMA Motor Adapter - Clamp Collar

Dimension - Inch

	H128 Double		H128 Triple		YA	YB	YC
	C	ZC	C	ZC			
140TC	-	-	18.35	3.63	0.47	0.20	0.67
180TC	-	-	19.64	4.92	0.73	0.22	0.91
210TC	20.22	5.50	21.55	6.83	0.69	0.22	0.89
250TC	19.96	5.24	21.41	6.69	0.95	0.20	1.13
280TC	20.87	6.15	22.33	7.61	0.95	0.20	1.30
320TC	22.44	7.72	-	-	1.02	0.20	1.19

NEMA Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H128 Double		H128 Triple		YA	YB	YC
	C	ZC	C	ZC			
140TC	-	-	22.17	7.45	0.55	0.20	1.10
180TC	-	-	23.22	8.50	0.73	0.22	1.65
210TC	24.00	9.28	25.33	10.61	0.87	0.22	2.01
250TC	25.75	11.03	27.20	12.48	0.95	0.20	2.17
280TC	28.56	13.84	30.02	15.30	0.95	0.20	2.57
320TC	31.06	16.34	-	-	1.02	0.20	2.99

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

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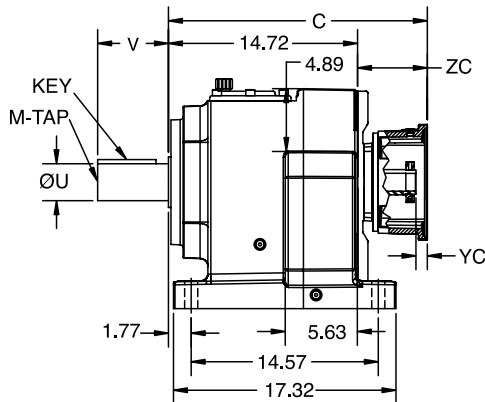
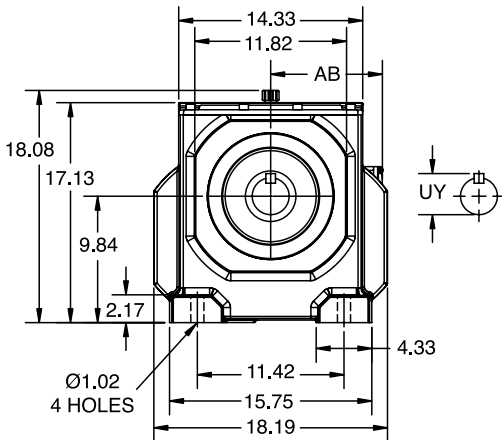
DIMENSIONS



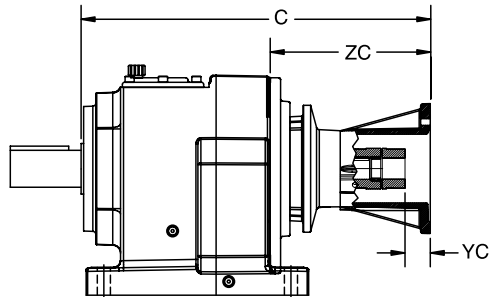
IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB128

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

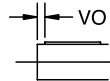


CLAMP COLLAR



THREE-PIECE COUPLED

METRIC OUTPUT SHAFT



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IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB128

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.875	+0.0000 -0.0010	3.20	5.51	-	3/4 x 3/4 x 4-1/2	3/4 - 10 UNC x 1.65
70	+0.030 +0.011	75	140	15	20 x 12 x 110	M20 x 42

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
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
90	+0.035 +0.013	95	170	15	25 x 14 x 140	M24 x 50

IEC Motor Adapter - Clamp Collar

Dimension - Inch

	H128 Double		H128 Triple		YC
	C	ZC	C	ZC	
90D	-	-	17.85	3.13	0.61
100D	-	-	18.15	3.43	0.28
112D	-	-	18.27	3.55	0.28
132D	18.50	3.78	19.84	5.12	0.87
160D	20.00	5.28	21.46	6.74	0.79
180D	20.65	5.93	22.11	7.39	0.85
200D	21.04	6.32	22.50	7.78	1.18

IEC Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H128 Double		H128 Triple		YC
	C	ZC	C	ZC	
90D	-	-	22.09	7.37	1.02
100D	-	-	22.97	8.25	1.18
112D	-	-	22.72	8.00	1.18
132D	23.76	9.04	25.10	10.38	1.77
160D	26.18	11.46	27.64	12.92	2.60
180D	28.29	13.57	29.74	15.02	2.32
200D	28.83	14.11	29.78	15.06	2.36
225D	31.61	16.89	-	-	3.54

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

NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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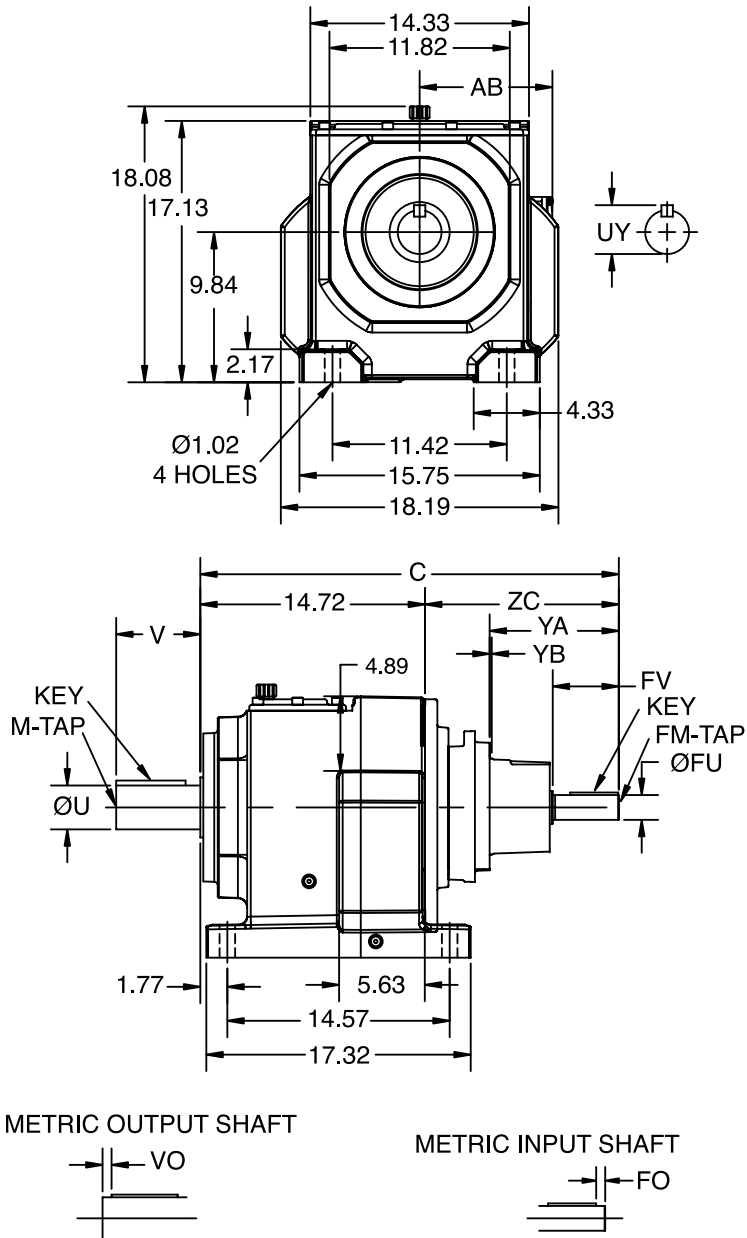
DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

Separate - Foot Mounted
Double/Triple Reduction

SIZE: HB128



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB128

Separate - Foot Mounted
Double/Triple Reduction

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.875	+0.0000 -0.0010	3.20	5.51	-	3/4 x 3/4 x 4-1/2	3/4 - 10 UNC x 1.65
70	+0.030 +0.011	75	140	15	20 x 12 x 110	M20 x 42

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
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
90	+0.035 +0.013	95	170	15	25 x 14 x 140	M24 x 50

Separate Input

Dimension - Inch/MM

	H128 Double		H128 Triple		FO	FM x Depth	ØFU	tol.	FV	YA	YB	KEY
	C	ZC	C	ZC								
90	-	-	21.89	7.17	-	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
	-	-	556	182	5	M8 x 19	24	+0.015 +0.002	50			8 x 7 x 40
100	-	-	22.52	7.80	-	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
	-	-	572	198	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
112	-	-	22.32	7.60	-	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
	-	-	567	193	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
132	24.29	9.57	25.63	10.91	-	3/8-16 UNC x 1.10	1.375	+0.0000 -0.0005	3.15	6.61	0.14	5/16 x 5/16 x 2-3/4
	617	243	651	277	5	M12 x 28	38	+0.018 +0.002	80			10 x 8 x 70
160	25.79	11.07	27.24	12.52	-	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
	655	281	692	318	10	M16 x 36	42	+0.018 +0.002	110			12 x 8 x 90
180	26.73	12.01	28.19	13.47	-	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
	679	305	716	342	10	M20 x 42	55	+0.030 +0.011	110			16 x 10 x 90
225	27.80	13.08	-	-	-	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
	736	362	-	-	15	M20 x 42	60	+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

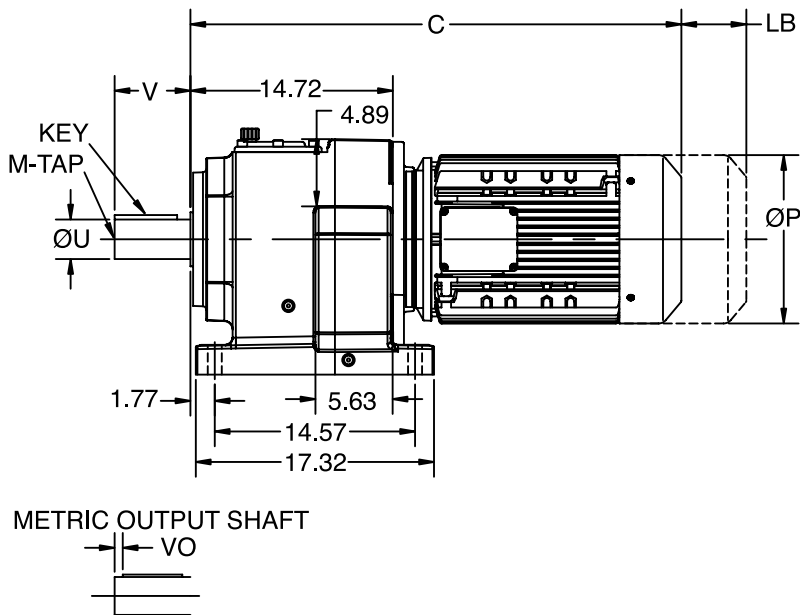
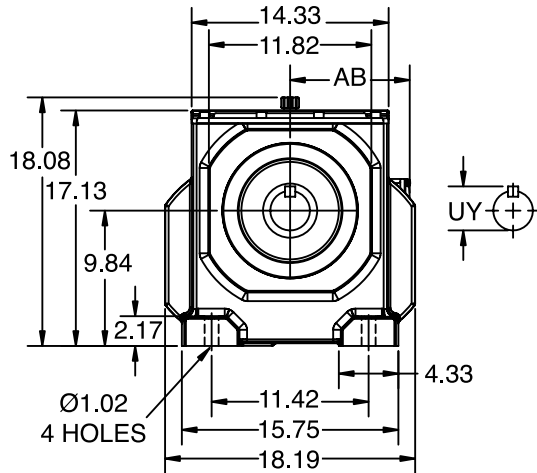


IN-LINE HELICAL GEAR REDUCER (ILH)

Integral Gearmotor - Foot Mounted

Double/Triple Reduction

SIZE: HB128



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DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB128

Integral Gearmotor - Foot Mounted

Double/Triple Reduction

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.875	+0.0000 -0.0010	3.20	5.51	-	3/4 x 3/4 x 4-1/2	3/4 - 10 UNC x 1.65
70	+0.030 +0.011	75	140	15	20 x 12 x 110	M20 x 42

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
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
90	+0.035 +0.013	95	170	15	25 x 14 x 140	M24 x 50

Motor

Dimension - Inch/MM

Frame	H128 Double		H128 Triple		P	AB
	C	LB	C	LB		
90H4	-	-	26.27	2.52	7.19	5.79
			668	64	183	148
90I4	-	-	27.15	2.52	7.19	5.79
			690	64	183	148
100J4	-	-	29.15	2.91	7.19	5.79
			741	74	183	148
112L4	-	-	30.67	2.91	8.60	6.88
			780	74	219	175
132M4	30.85	3.9	32.18	3.9	10.28	8.09
	784	99	818	99	262	206
132N4	32.35	3.9	33.68	3.9	10.28	8.09
	822	99	856	99	262	206

NOMENCLATURE
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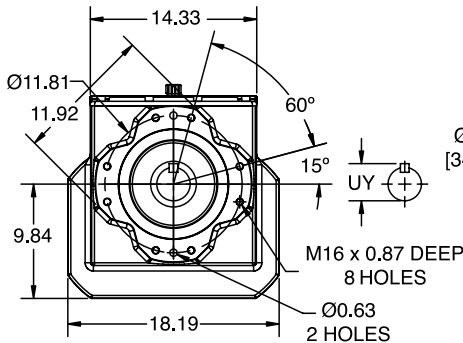
DIMENSIONS



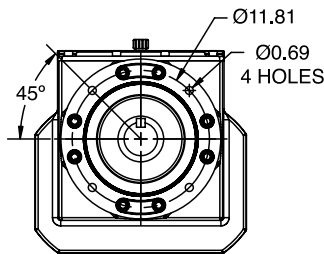
IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF128

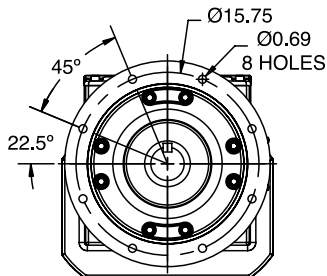
NEMA C-Face - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled
Double/Triple Reduction



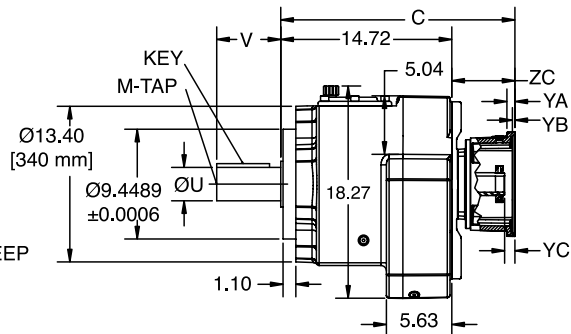
**B14 OUTPUT FLANGE -
Ø340mm**



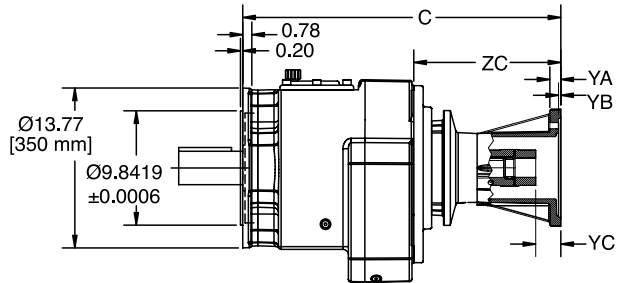
**B5 OUTPUT FLANGE -
Ø350mm**



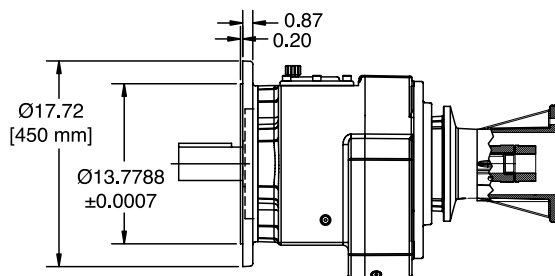
**B5 OUTPUT FLANGE -
Ø450mm**



CLAMP COLLAR



THREE-PIECE COUPLED



METRIC OUTPUT SHAFT



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IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF128

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.875	+0.0000 -0.0010	3.20	5.51	-	3/4 x 3/4 x 4-1/2	3/4 - 10 UNC x 1.65
70	+0.030 +0.011	75	140	15	20 x 12 x 110	M20 x 42

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
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
90	+0.035 +0.013	95	170	15	25 x 14 x 140	M24 x 50

NEMA Motor Adapter - Clamp Collar

Dimension - Inch

	H128 Double		H128 Triple		YA	YB	YC
	C	ZC	C	ZC			
140TC	-	-	18.35	3.63	0.47	0.20	0.67
180TC	-	-	19.64	4.92	0.73	0.22	0.91
210TC	20.22	5.50	21.55	6.83	0.69	0.22	0.89
250TC	19.96	5.24	21.41	6.69	0.95	0.20	1.13
280TC	20.87	6.15	22.33	7.61	0.95	0.20	1.30
320TC	22.44	7.72	-	-	1.02	0.20	1.19

NEMA Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H128 Double		H128 Triple		YA	YB	YC
	C	ZC	C	ZC			
140TC	-	-	22.17	7.45	0.55	0.20	1.10
180TC	-	-	23.22	8.50	0.73	0.22	1.65
210TC	24.00	9.28	25.33	73.00	0.87	0.22	2.01
250TC	25.75	11.03	27.20	12.48	0.95	0.20	2.17
280TC	28.56	13.84	30.02	15.30	0.95	0.20	2.57
320TC	31.06	16.34	-	-	1.02	0.20	2.99

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

NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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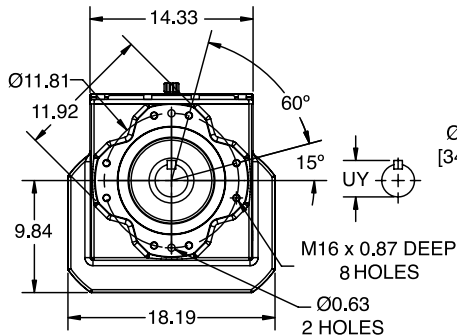
DIMENSIONS



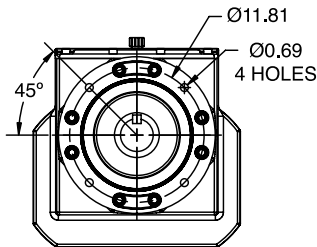
IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF128

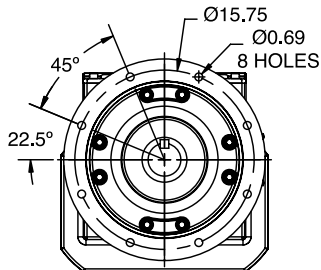
IEC D Flange (B5 Input) - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled
Double/Triple Reduction



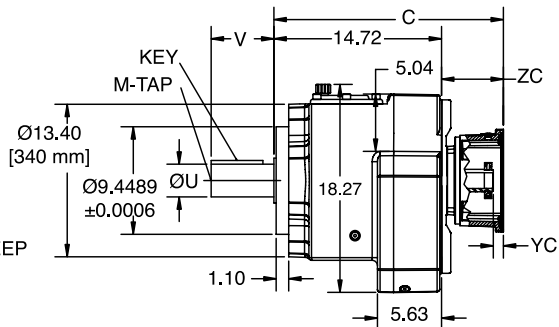
B14 OUTPUT FLANGE -
Ø340mm



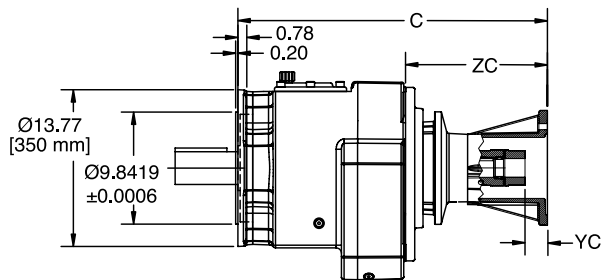
B5 OUTPUT FLANGE -
Ø350mm



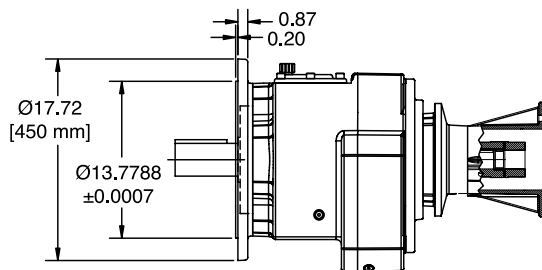
B5 OUTPUT FLANGE -
Ø450mm



CLAMP COLLAR



THREE-PIECE COUPLED



METRIC OUTPUT SHAFT



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF128

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.875	+0.0000 -0.0010	3.20	5.51	-	3/4 x 3/4 x 4-1/2	3/4 - 10 UNC x 1.65
70	+0.030 +0.011	75	140	15	20 x 12 x 110	M20 x 42

Optional Output Shaft

Dimension - Inch

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
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
90	+0.035 +0.013	95	170	15	25 x 14 x 140	M24 x 50

IEC Motor Adapter - Clamp Collar

Dimension - Inch

	H128 Double		H128 Triple		YC
	C	ZC	C	ZC	
90D	-	-	17.85	3.13	0.61
100D	-	-	18.15	3.43	0.28
112D	-	-	18.27	3.55	0.28
132D	18.50	3.78	19.84	5.12	0.87
160D	20.00	5.28	21.46	6.74	0.79
180D	20.65	5.93	22.11	7.39	0.85
200D	21.04	6.32	22.50	7.78	1.18

IEC Motor Adapter - 3 Piece Coupled

Dimension - Inch/MM

	H128 Double		H128 Triple		YC
	C	ZC	C	ZC	
90D	-	-	22.09	7.37	1.02
100D	-	-	22.97	8.25	1.18
112D	-	-	22.72	8.00	1.18
132D	23.76	9.04	25.10	10.38	1.77
160D	26.18	11.46	27.64	12.92	2.60
180D	28.29	13.57	29.74	15.02	2.32
200D	28.83	14.11	29.78	15.06	2.36
225D	31.61	16.89	-	-	3.54

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

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DIMENSIONS

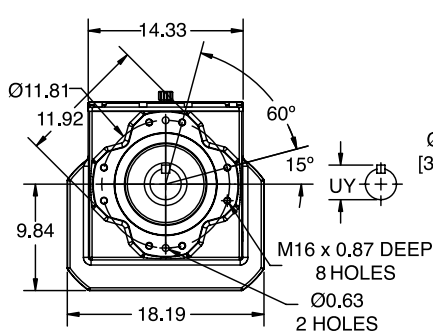


IN-LINE HELICAL GEAR REDUCER (ILH)

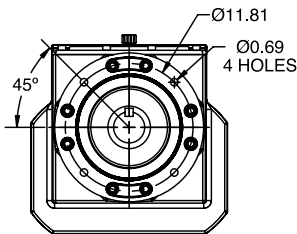
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Separate - Flange Mounted (B5 / B14)

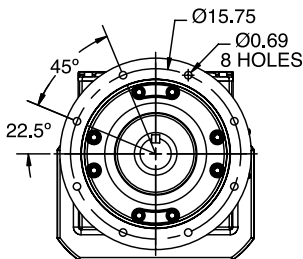
Double/Triple Reduction



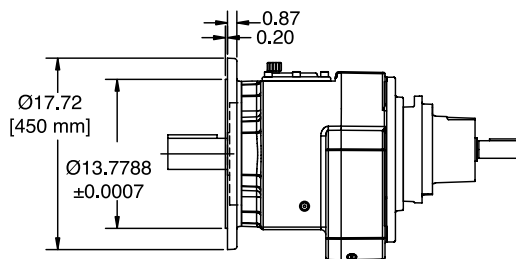
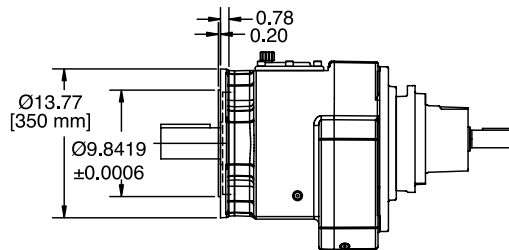
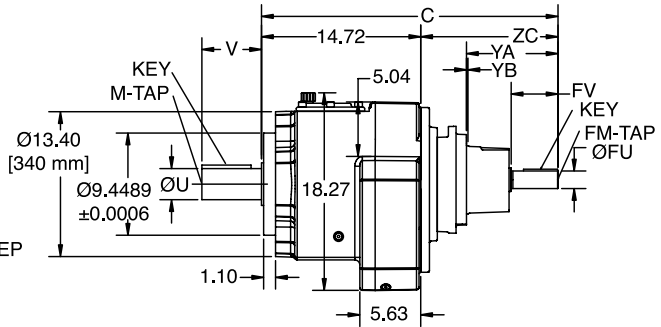
**B14 OUTPUT FLANGE -
Ø340mm**



**B5 OUTPUT FLANGE -
Ø350mm**



**B5 OUTPUT FLANGE -
Ø450mm**



METRIC OUTPUT SHAFT



METRIC INPUT
SHAFT



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IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF128

Separate - Flange Mounted (B5 / B14)

Double/Triple Reduction

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.875	+0.0000 -0.0010	3.20	5.51	-	3/4 x 3/4 x 4-1/2	3/4 - 10 UNC x 1.65
70	+0.030 +0.011	75	140	15	20 x 12 x 110	M20 x 42

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
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
90	+0.035 +0.013	95	170	15	25 x 14 x 140	M24 x 50

Separate Input

Dimension - Inch/MM

	H128 Double		H128 Triple		FO	FM x Depth	ØFU	tol.	FV	YA	YB	KEY
	C	ZC	C	ZC								
90	-	-	21.89	7.17	-	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
	-	-	556	182	5	M8 x 19	24	+0.015 +0.002	50			8 x 7 x 40
100	-	-	22.52	7.80	-	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
	-	-	572	198	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
112	-	-	22.32	7.60	-	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
	-	-	567	193	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
132	24.29	9.57	25.63	10.91	-	3/8-16 UNC x 1.10	1.375	+0.0000 -0.0005	3.15	6.61	0.14	5/16 x 5/16 x 2-3/4
	617	243	651	277	5	M12 x 28	38	+0.018 +0.002	80			10 x 8 x 70
160	25.79	11.07	27.24	12.52	-	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
	655	281	692	318	10	M16 x 36	42	+0.018 +0.002	110			12 x 8 x 90
180	26.73	12.01	28.19	13.47	-	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
	679	305	716	342	10	M20 x 42	55	+0.030 +0.011	110			16 x 10 x 90
225	27.80	13.08	-	-	-	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
	736	362	-	-	15	M20 x 42	60	+0.030 +0.011	140			18 x 11 x 110

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

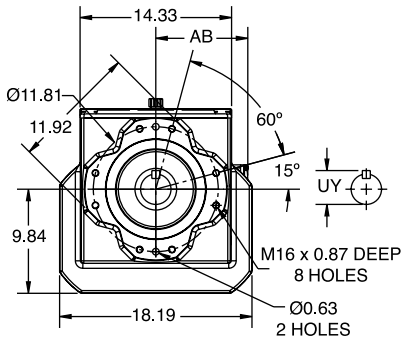
NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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DIMENSIONS

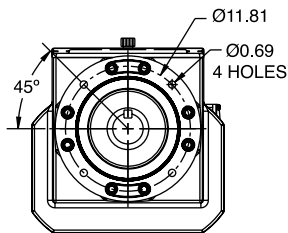


IN-LINE HELICAL GEAR REDUCER (ILH) Integral Gearmotor - Flange Mounted (B5 / B14) Double/Triple Reduction

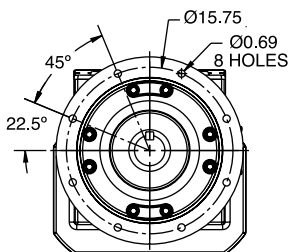
SIZE: HF128



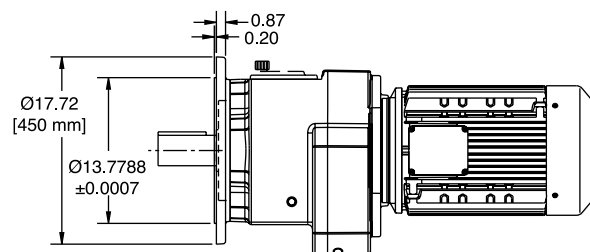
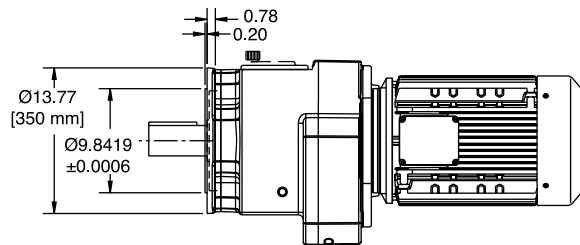
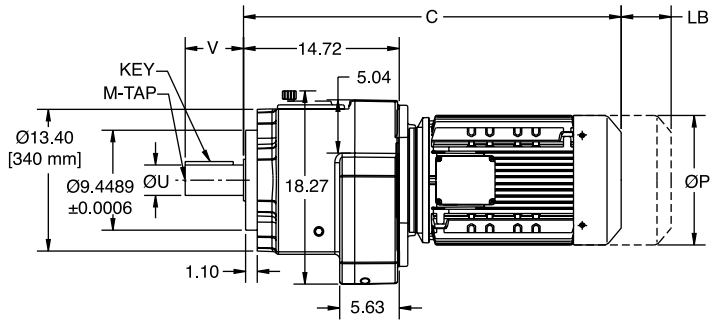
**B14 OUTPUT FLANGE -
Ø340mm**



**B5 OUTPUT FLANGE -
Ø350mm**



**B5 OUTPUT FLANGE -
Ø450mm**



METRIC OUTPUT SHAFT



NOMENCLATURE
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MOUNTING POSITIONS
PAGE ILH-7

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WEIGHTS
PAGE ILH-343

DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH) Integral Gearmotor - Flange Mounted (B5 / B14) Double/Triple Reduction

SIZE: HF128

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
2.875	+0.0000 -0.0010	3.20	5.51	-	3/4 x 3/4 x 4-1/2	3/4 - 10 UNC x 1.65
70	+0.030 +0.011	75	140	15	20 x 12 x 110	M20 x 42

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
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
90	+0.035 +0.013	95	170	15	25 x 14 x 140	M24 x 50

Motor

Dimension - Inch/MM

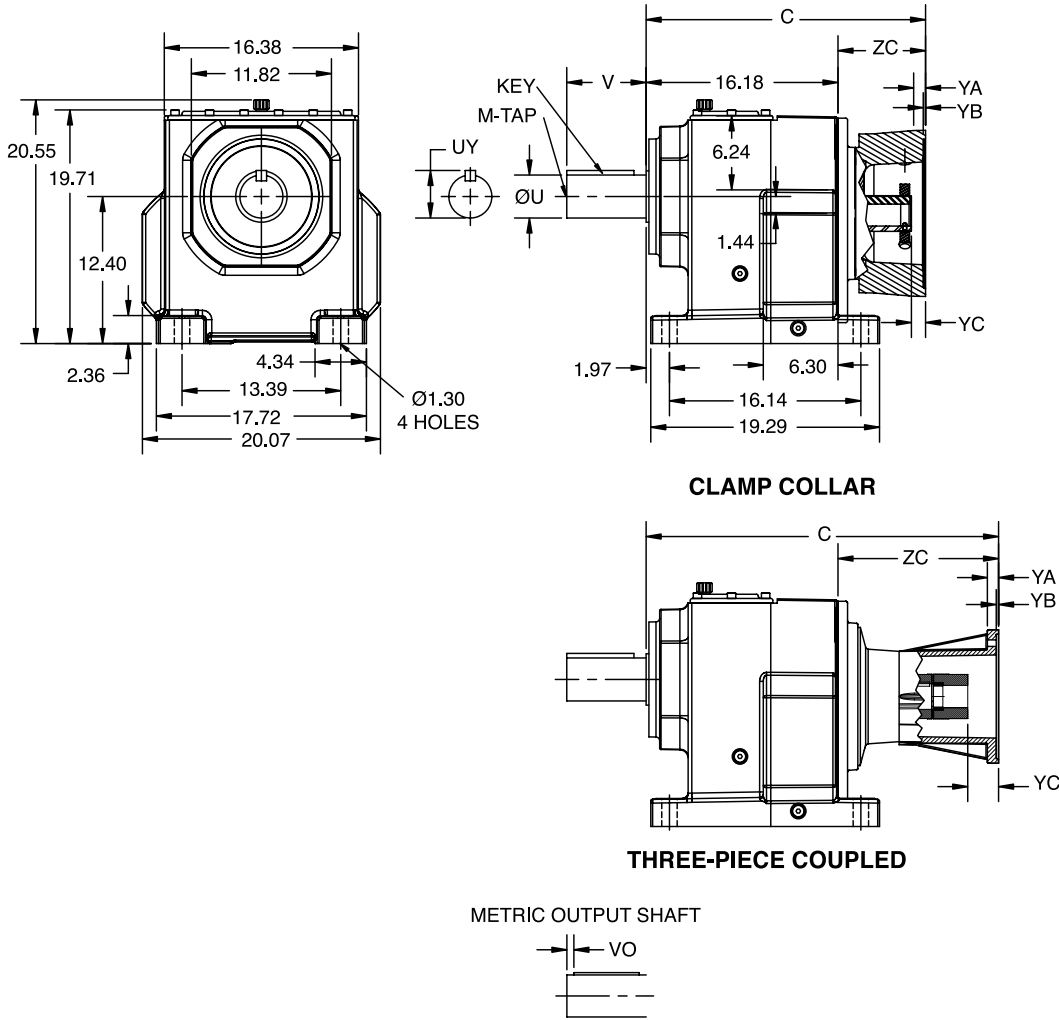
Frame	H128 Double		H128 Triple		P	AB
	C	LB	C	LB		
90H4	-	-	26.27 668	2.52 64	7.19 183	5.79 148
90I4	-	-	27.15 690	2.52 64	7.19 183	5.79 148
100J4	-	-	29.15 741	2.91 74	7.19 183	5.79 148
112L4	-	-	30.67 780	2.91 74	8.6 219	6.88 175
132M4	30.85 784	3.9 99	32.18 818	3.9 99	10.28 262	8.09 206
132N4	32.35 822	3.9 99	33.68 856	3.9 99	10.28 262	8.09 206

DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH) NEMA C-Face - Foot Mounted - Clamp Collar / 3 Piece Coupled Double/Triple Reduction

SIZE: HB148



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IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB148

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
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
90	+0.035 +0.013	95	170	15	25 x 14 x 140	M24 x 50

Optional Output Shaft

Dimension - Inch/MM

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

NEMA Motor Adapter - Clamp Collar

Dimension - Inch

	H148 Double		H148 Triple		YA	YB	YC
	C	ZC	C	ZC			
180TC	-	-	20.98	4.80	0.73	0.22	0.91
210TC	21.36	5.18	22.86	6.68	0.69	0.22	0.89
250TC	21.12	4.94	22.62	6.44	0.95	0.20	1.13
280TC	22.04	5.86	23.54	7.36	0.95	0.20	1.30
320TC	23.63	7.45	25.13	8.95	1.02	0.20	1.19
360TC	25.36	9.18	-	-	1.02	0.20	1.48

NEMA Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H148 Double		H148 Triple		YA	YB	YC
	C	ZC	C	ZC			
180TC	-	-	24.57	8.39	0.73	0.22	1.65
210TC	25.14	8.96	26.63	10.45	0.87	0.22	2.01
250TC	26.91	10.73	28.41	12.23	0.95	0.20	2.17
280TC	29.72	13.54	31.22	15.04	0.95	0.20	2.57
320TC	32.22	16.04	33.72	17.54	1.02	0.20	2.99
360TC	33.27	17.09	-	-	1.02	0.20	3.26

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

NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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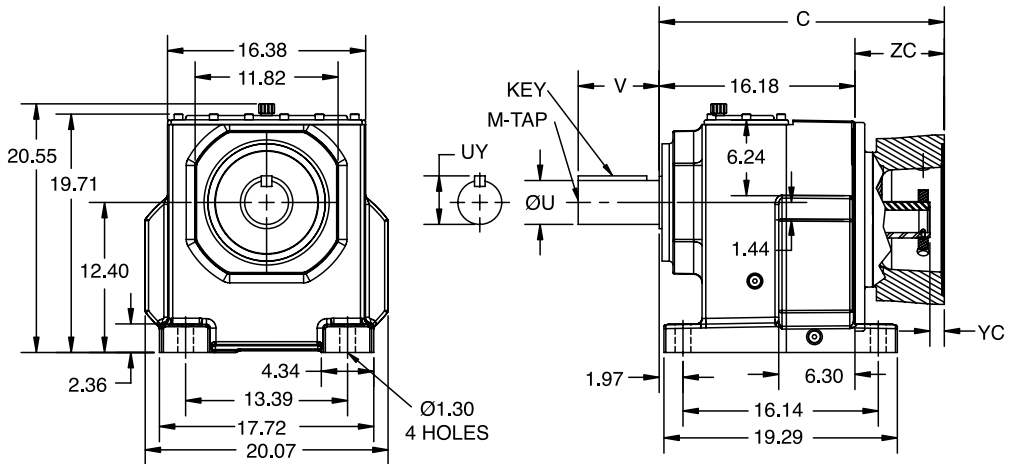
DIMENSIONS



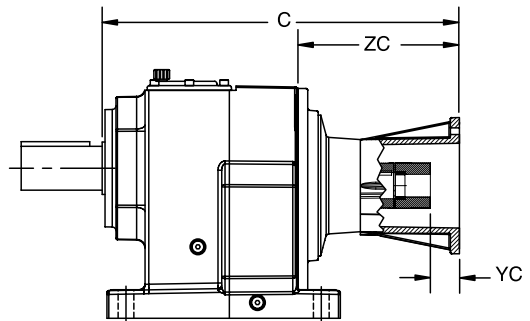
IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB148

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

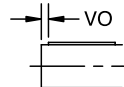


CLAMP COLLAR



THREE-PIECE COUPLED

METRIC OUTPUT SHAFT



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB148

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
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
90	+0.035 +0.013	95	170	15	25 x 14 x 140	M24 x 50

Optional Output Shaft

Dimension - Inch/MM

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

IEC Motor Adapter - Clamp Collar

Dimension - Inch

	H148 Double		H148 Triple		YC
	C	ZC	C	ZC	
100D	-	-	19.41	3.23	0.28
112D	-	-	19.61	3.43	0.28
132D	19.65	3.47	21.14	4.96	0.87
160D	21.16	4.98	22.66	6.48	0.79
180D	21.81	5.63	23.31	7.13	0.83
200D	22.20	6.02	23.70	7.52	1.18

IEC Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H148 Double		H148 Triple		YC
	C	ZC	C	ZC	
100D	-	-	24.23	8.05	1.18
112D	-	-	24.06	7.88	1.18
132D	24.90	8.72	26.40	10.22	1.77
160D	27.34	11.16	28.84	12.66	2.60
180D	29.45	13.27	30.94	14.76	2.32
200D	29.49	13.31	30.98	14.80	2.36
225D	32.78	16.60	34.27	18.09	3.54
250D	32.95	16.77	-	-	2.95

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

NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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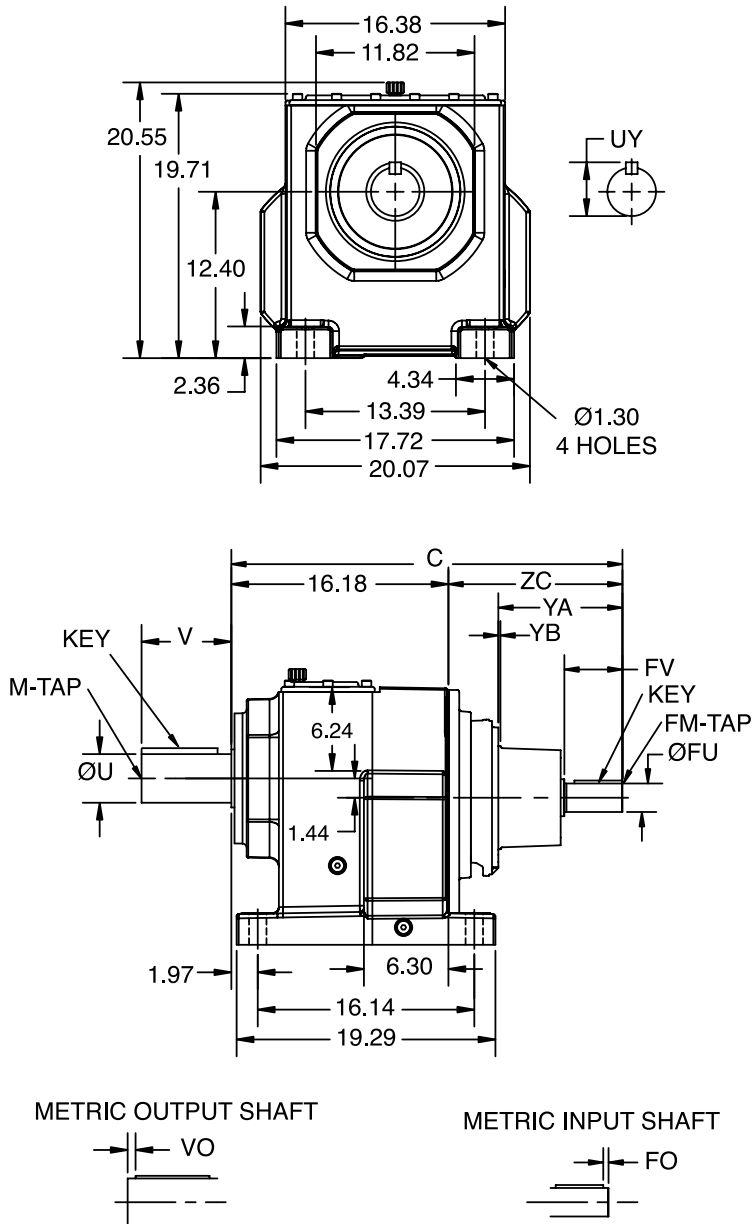
DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

Separate - Foot Mounted
Double/Triple Reduction

SIZE: HB148



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB148

Separate - Foot Mounted
Double/Triple Reduction

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
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
90	+0.035 +0.013	95	170	15	25 x 14 x 140	M24 x 50

Optional Output Shaft

Dimension - Inch/MM

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

Separate Input

Dimension - Inch/MM

	H148 Double		H148 Triple		FO	FM x Depth	ØFU	tol.	FV	YA	YB	KEY
	C	ZC	C	ZC								
100	-	-	23.78	7.60	-	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
	-	-	604	193	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
112	-	-	23.66	7.48	-	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
	-	-	601	190	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
132	25.43	9.25	26.93	10.75	-	3/8-16 UNC x 1.10	1.375	+0.0000 -0.0005	3.15	6.61	0.14	5/16 x 5/16 x 2-3/4
	646	235	684	273	5	M12 x 28	38	+0.018 +0.002	80			10 x 8 x 70
160	26.97	10.79	28.46	12.28	-	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
	685	274	723	312	10	M16 x 36	42	+0.018 +0.002	110			12 x 8 x 90
180	27.87	11.69	29.37	13.19	-	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
	708	297	746	335	10	M20 x 42	55	+0.030 +0.011	110			16 x 10 x 90
225	28.98	12.80	30.47	14.29	-	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
	766	355	804	393	15	M20 x 42	60	+0.030 +0.011	140			18 x 11 x 110
250	30.12	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
	765	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

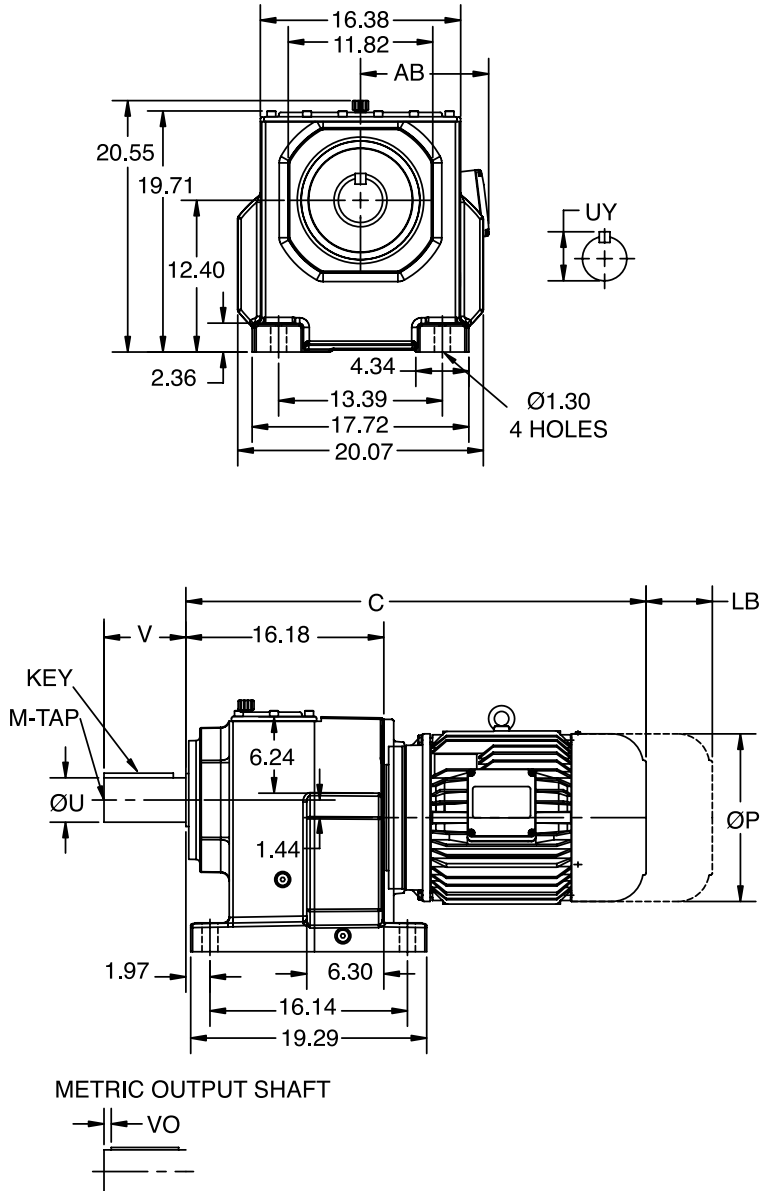


IN-LINE HELICAL GEAR REDUCER (ILH)

Integral Gearmotor - Foot Mounted

Double/Triple Reduction

SIZE: HB148



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DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB148

Integral Gearmotor - Foot Mounted

Double/Triple Reduction

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
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
90	+0.035 +0.013	95	170	15	25 x 14 x 140	M24 x 50

Optional Output Shaft

Dimension - Inch/MM

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

Motor

Dimension - Inch/MM

Frame	H148 Double		H148 Triple		P	AB
	C	LB	C	LB		
100J4	-	-	30.41	2.91	7.19	5.79
	-	-	773	74	183	148
112L4	-	-	32.01	2.91	8.6	6.88
	-	-	814	74	219	175
132M4	31.99	3.9	33.48	3.9	10.28	8.09
	813	99	851	99	262	206
132N4	33.49	3.9	34.98	3.9	10.28	8.09
	851	99	889	99	262	206

NOMENCLATURE
PAGE ILH-4

MOUNTING POSITIONS
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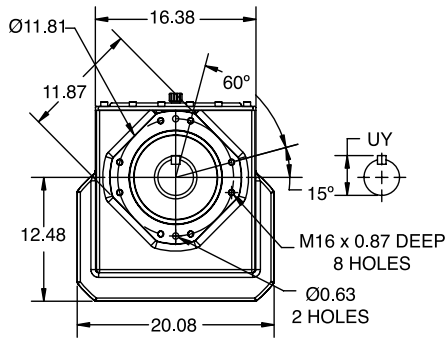
DIMENSIONS



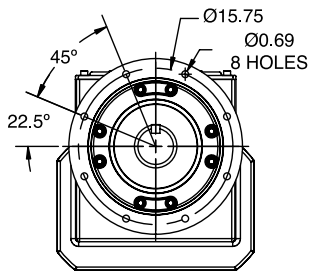
IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF148

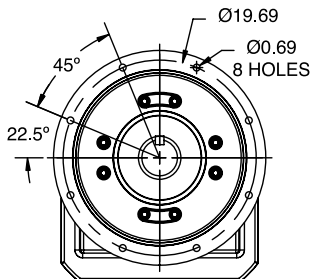
NEMA C-Face - Flange Mounted (B5 / B14) - Clamp Collar - 3 Piece Coupled
Double/Triple Reduction



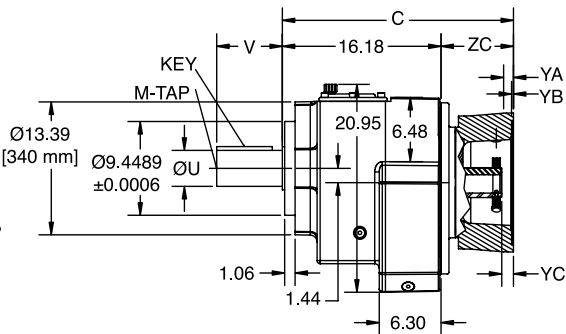
**B14 OUTPUT FLANGE -
Ø340mm**



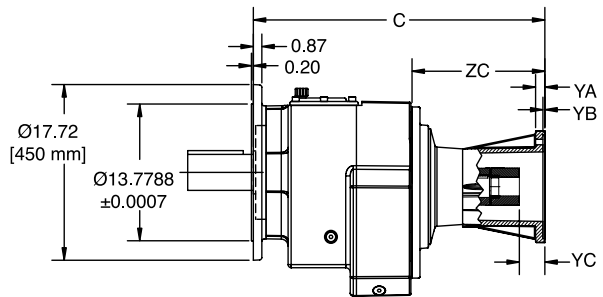
**B5 OUTPUT FLANGE -
Ø450 mm**



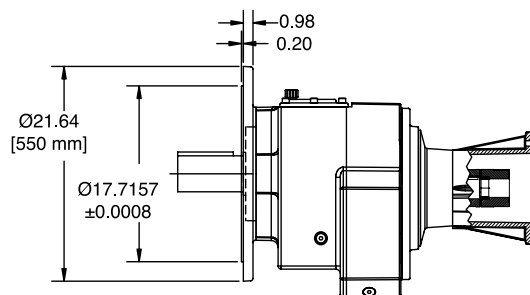
**B5 OUTPUT FLANGE -
Ø550mm**



CLAMP COLLAR



THREE-PIECE COUPLED



METRIC OUTPUT SHAFT

NOMENCLATURE
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IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF148

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
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
90	+0.035 +0.013	95	170	15	25 x 14 x 140	M24 x 50

Optional Output Shaft

Dimension - Inch/MM

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

NEMA Motor Adapter - Clamp Collar

Dimension - Inch

	H148 Double		H148 Triple		YA	YB	YC
	C	ZC	C	ZC			
180TC	-	-	20.98	4.80	0.73	0.22	0.91
210TC	21.36	5.18	22.86	6.68	0.69	0.22	0.89
250TC	21.12	4.94	22.62	6.44	0.95	0.20	1.13
280TC	22.04	5.86	23.54	7.36	0.95	0.20	1.30
320TC	23.63	7.45	25.13	8.95	1.02	0.20	1.19
360TC	25.36	9.18	-	-	1.02	0.20	1.48

NEMA Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H148 Double		H148 Triple		YA	YB	YC
	C	ZC	C	ZC			
180TC	-	-	24.57	8.39	0.73	0.22	1.65
210TC	25.14	8.96	26.63	10.45	0.87	0.22	2.01
250TC	26.91	10.73	28.41	12.23	0.95	0.20	2.17
280TC	29.72	13.54	31.22	15.04	0.95	0.20	2.57
320TC	32.22	16.04	33.72	17.54	1.02	0.20	2.99
360TC	33.27	17.09	-	-	1.02	0.20	3.26

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

NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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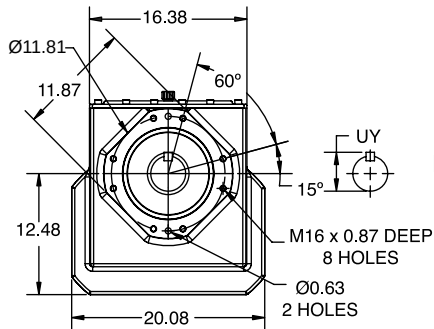
DIMENSIONS



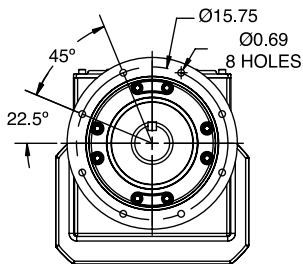
IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF148

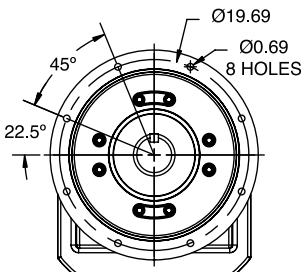
IEC D Flange (B5 Input) - Flange Mounted (B5 / B14) - Clamp Collar - 3 Piece Coupled
Double/Triple Reduction



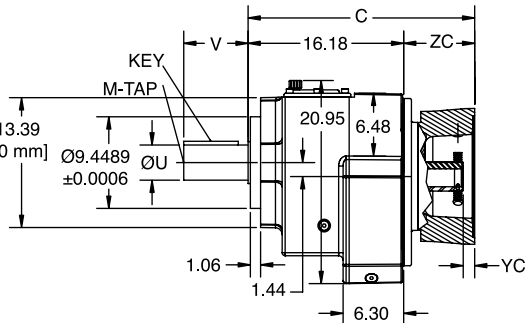
B14 OUTPUT FLANGE -
Ø340mm



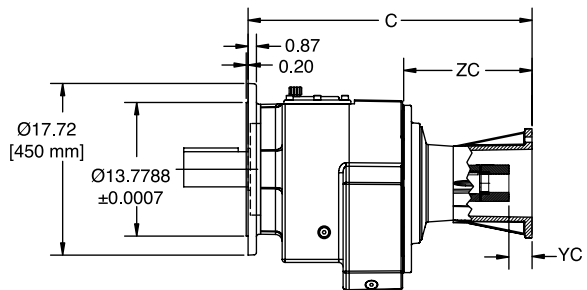
B5 OUTPUT FLANGE -
Ø450 mm



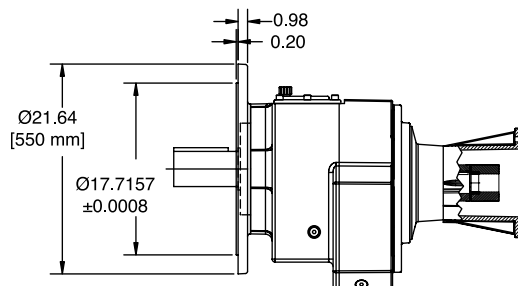
B5 OUTPUT FLANGE -
Ø550mm



CLAMP COLLAR



THREE-PIECE COUPLED



METRIC OUTPUT SHAFT



NOMENCLATURE
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IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF148

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

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
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
90	+0.035 +0.013	95	170	15	25 x 14 x 140	M24 x 50

Optional Output Shaft

Dimension - Inch/MM

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

IEC Motor Adapter - Clamp Collar

Dimension - Inch

	H148 Double		H148 Triple		YC
	C	ZC	C	ZC	
100D	-	-	19.41	3.23	0.28
112D	-	-	19.61	3.43	0.28
132D	19.65	3.47	21.14	4.96	0.87
160D	21.16	4.98	22.66	6.48	0.79
180D	21.81	5.63	23.31	7.13	0.83
200D	22.20	6.02	23.70	7.52	1.18

IEC Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H148 Double		H148 Triple		YC
	C	ZC	C	ZC	
100D	-	-	24.23	8.05	1.18
112D	-	-	24.06	7.88	1.18
132D	24.90	8.72	26.40	10.22	1.77
160D	27.34	11.16	28.84	12.66	2.60
180D	29.45	13.27	30.94	14.76	2.32
200D	29.49	13.31	30.98	14.80	2.36
225D	32.78	16.60	34.27	18.09	3.54
250D	32.95	16.77	-	-	2.95

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

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DIMENSIONS

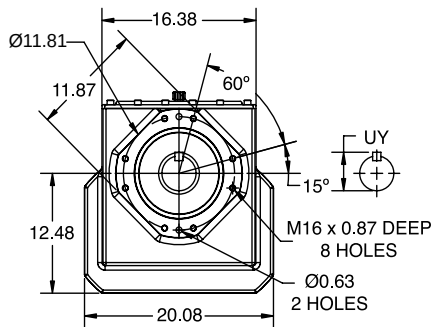


IN-LINE HELICAL GEAR REDUCER (ILH)

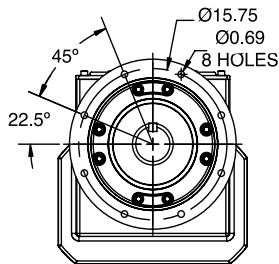
SIZE: HF148

Separate - Flange Mounted (B5 / B14)

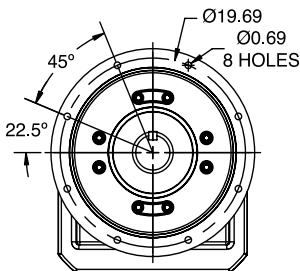
Double/Triple Reduction



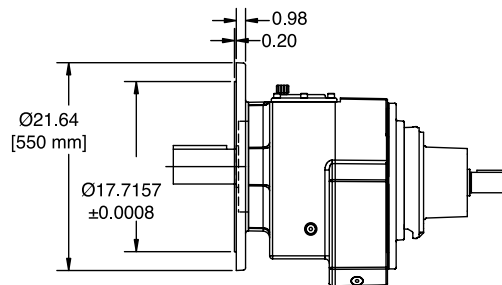
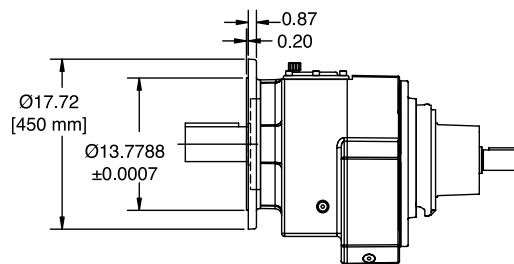
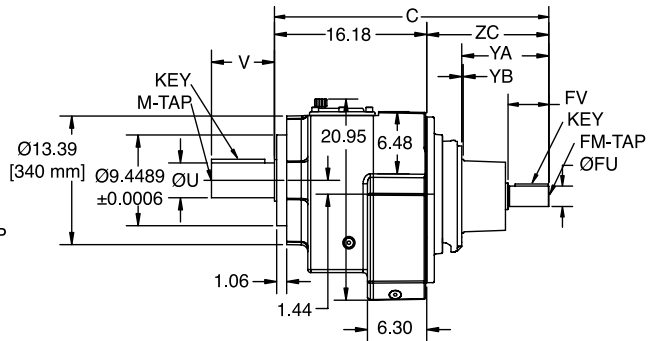
**B14 OUTPUT FLANGE -
Ø340mm**



**B5 OUTPUT FLANGE -
Ø450mm**



**B5 OUTPUT FLANGE -
Ø550mm**



METRIC OUTPUT SHAFT



METRIC INPUT SHAFT



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IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF148

Separate - Flange Mounted (B5 / B14)

Double/Triple Reduction

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
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
90	+0.035 +0.013	95	170	15	25 x 14 x 140	M24 x 50

Optional Output Shaft

Dimension - Inch/MM

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

Separate Input

Dimension - Inch/MM

	H148 Double		H148 Triple		FO	FM x Depth	ØFU	tol.	FV	YA	YB	KEY
	C	ZC	C	ZC								
100	-	-	23.78	7.60	-	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
	-	-	604	193	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
112	-	-	23.66	7.48	-	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
	-	-	601	190	5	M10 x 22	28	+0.015 +0.002	60			8 x 7 x 50
132	25.43	9.25	26.93	10.75	-	3/8-16 UNC x 1.10	1.375	+0.0000 -0.0005	3.15	6.61	0.14	5/16 x 5/16 x 2-3/4
	646	235	684	273	5	M12 x 28	38	+0.018 +0.002	80			10 x 8 x 70
160	26.97	10.74	28.46	12.28	-	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
	685	274	723	312	10	M16 x 36	42	+0.018 +0.002	110			12 x 8 x 90
180	27.87	11.69	29.37	13.19	-	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
	708	297	746	335	10	M20 x 42	55	+0.030 +0.011	110			16 x 10 x 90
225	28.98	12.80	30.47	14.29	-	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
	766	355	804	393	15	M20 x 42	60	+0.030 +0.011	140			18 x 11 x 110
250	30.12	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
	765	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.

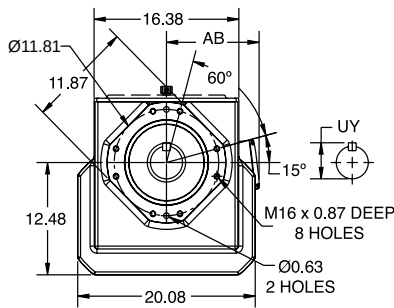
NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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DIMENSIONS

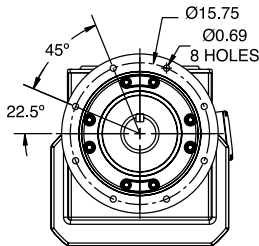


IN-LINE HELICAL GEAR REDUCER (ILH) Integral Gearmotor - Flange Mounted (B5 / B14) Double/Triple Reduction

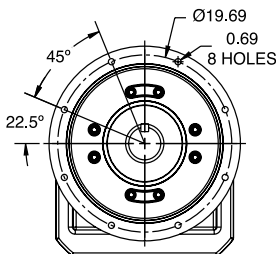
SIZE: HF148



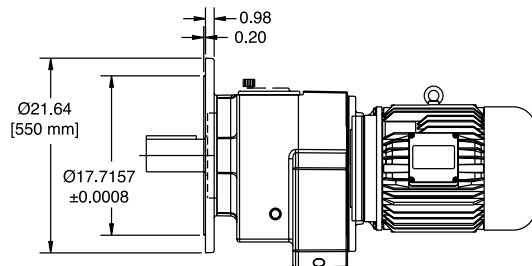
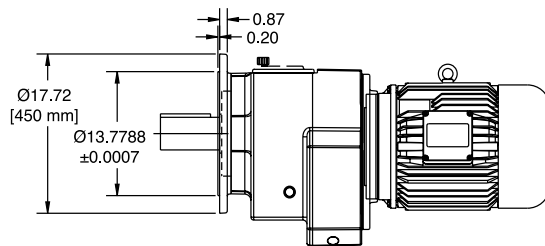
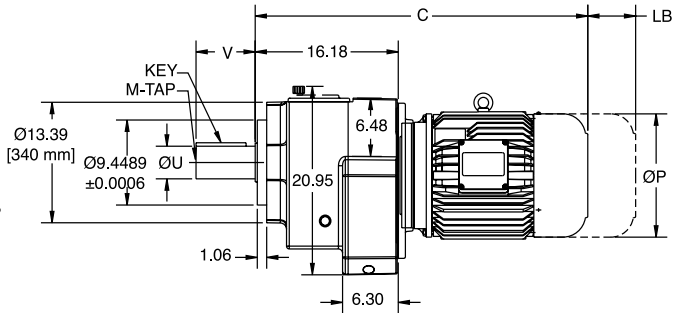
**B14 OUTPUT FLANGE -
Ø340mm**



**B5 OUTPUT FLANGE -
Ø450mm**



**B5 OUTPUT FLANGE -
Ø550mm**



METRIC OUTPUT SHAFT



DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH) Integral Gearmotor - Flange Mounted (B5 / B14) Double/Triple Reduction

SIZE: HF148

Standard Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
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
90	+0.035 +0.013	95	170	15	25 x 14 x 140	M24 x 50

Optional Output Shaft

Dimension - Inch/MM

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

Motor

Dimension - Inch/MM

Frame	H148 Double		H148 Triple		P	AB
	C	LB	C	LB		
100J4	-	-	30.41	2.91	7.19	5.79
	-	-	773	74	183	148
112L4	-	-	32.01	2.91	8.6	6.88
	-	-	814	74	219	175
132M4	31.99	3.9	33.48	3.9	10.28	8.09
	813	99	851	99	262	206
132N4	33.49	3.9	34.98	3.9	10.28	8.09
	851	99	889	99	262	206

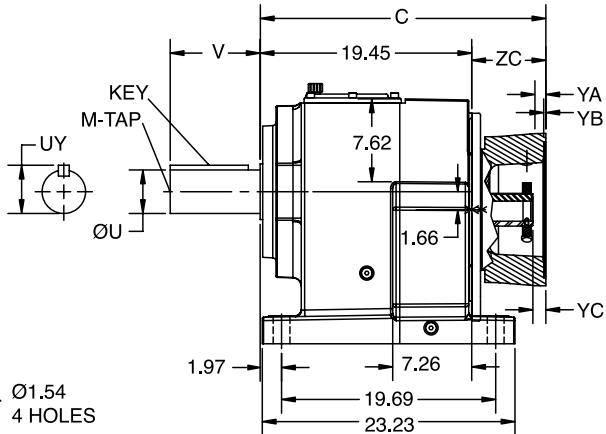
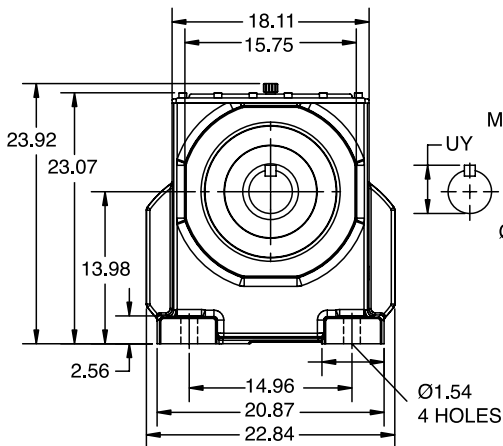
DIMENSIONS



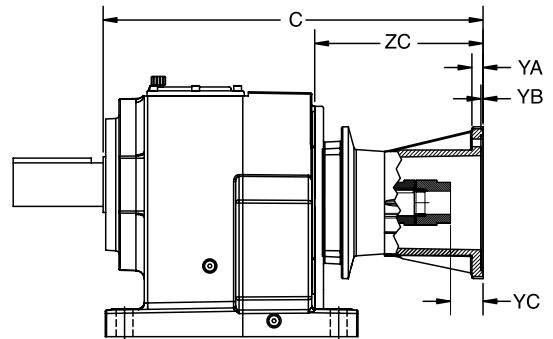
IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB168

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

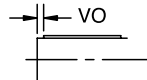


CLAMP COLLAR



THREE-PIECE COUPLED

METRIC OUTPUT SHAFT



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB168

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

Standard Output Shaft

Dimension - Inch/MM

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

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
4.750	+0.0000 -0.0010	4.44	8.27	-	1-1/4 x 1-1/4 x 7	1-8 UNC x 1.97
120	+0.035 +0.013	127	210	15	32 x 18 x 180	M24 x 50

NEMA Motor Adapter - Clamp Collar

Dimension - Inch

	H168 Double		H168 Triple		YA	YB	YC
	C	ZC	C	ZC			
210TC	24.07	4.62	25.69	6.24	0.69	0.22	0.89
250TC	23.83	4.38	25.45	6.00	0.95	0.20	1.13
280TC	24.75	5.30	26.36	6.91	0.95	0.20	1.30
320TC	26.34	6.89	27.95	8.50	1.02	0.20	1.19
360TC	28.07	8.62	29.68	10.23	1.02	0.20	1.48

NEMA Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H168 Double		H168 Triple		YA	YB	YC
	C	ZC	C	ZC			
210TC	27.84	8.39	29.45	10.00	0.87	0.22	2.01
250TC	29.61	10.16	31.22	11.77	0.95	0.20	2.17
280TC	32.42	12.97	34.04	14.59	0.95	0.20	2.57
320TC	34.92	15.47	36.54	17.09	1.02	0.20	2.99
360TC	35.97	16.52	37.58	18.13	1.02	0.20	3.26

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

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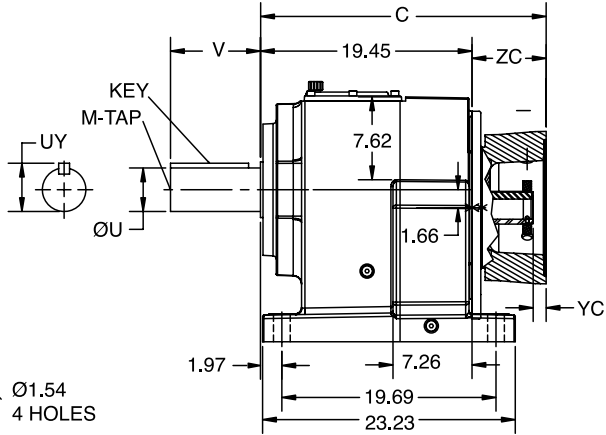
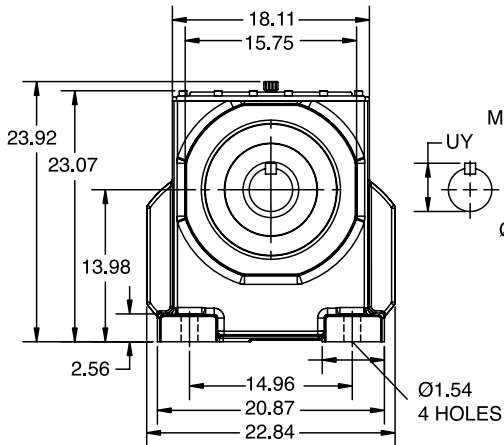
DIMENSIONS



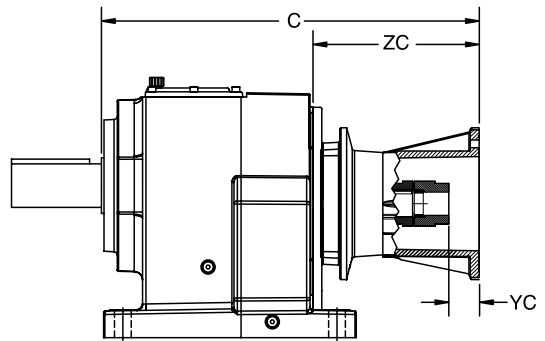
IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB168

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

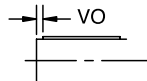


CLAMP COLLAR



THREE-PIECE COUPLED

METRIC OUTPUT SHAFT



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB168

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

Standard Output Shaft

Dimension - Inch/MM

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

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
4.750	+0.0000 -0.0010	4.44	8.27	-	1-1/4 x 1-1/4 x 7	1-8 UNC x 1.97
120	+0.035 +0.013	127	210	15	32 x 18 x 180	M24 x 50

IEC Motor Adapter - Clamp Collar

Dimension - Inch

	H168 Double		H168 Triple		YC
	C	ZC	C	ZC	
132D	22.34	2.89	23.96	4.51	0.87
160D	23.86	4.41	25.47	6.02	0.79
180D	24.51	5.06	26.12	6.67	0.85
200D	24.90	5.45	26.52	7.07	1.18

IEC Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H168 Double		H168 Triple		YC
	C	ZC	C	ZC	
132D	27.60	8.15	29.21	9.76	1.77
160D	30.04	10.59	31.65	12.20	2.60
180D	32.15	12.70	33.76	14.31	2.32
200D	32.19	12.74	33.80	14.35	2.36
225D	35.47	16.02	37.09	17.64	3.54
250D	35.65	16.20	37.26	17.81	2.95

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

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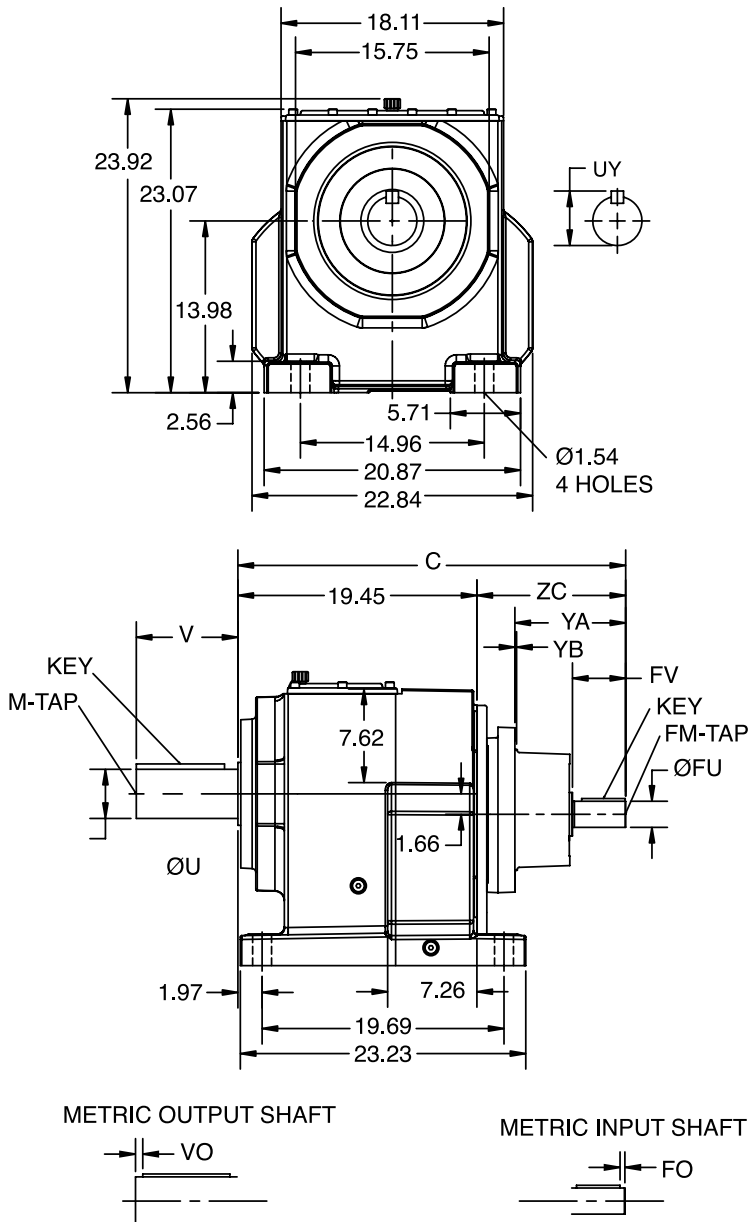
DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

Separate - Foot Mounted
Double/Triple Reduction

SIZE: HB168



DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB168

Separate - Foot Mounted

Double/Triple Reduction

Standard Output Shaft

Dimension - Inch/MM

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

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
4.750	+0.0000 -0.0010	4.44	8.27	-	1-1/4 x 1-1/4 x 7	1-8 UNC x 1.97
120	+0.035 +0.013	127	210	15	32 x 18 x 180	M24 x 50

Separate Input

Dimension - Inch/MM

	H168 Double		H168 Triple		FO	FM x Depth	ØFU	tol.	FV	YA	YB	KEY
	C	ZC	C	ZC								
132	28.11	8.66	29.73	10.28	-	3/8-16 UNC x 1.10	1.375	+0.0000 -0.0005	3.15	6.61	0.14	5/16 x 5/16 x 2-3/4
	714	220	755	261	5	M12 x 28	38	+0.018 +0.002	80			10 x 8 x 70
160	29.65	10.20	31.26	11.81	-	5/8-11 UNC x 1.42	1.625	+0.0000 -0.0010	4.33	8.46	0.20	3/8 x 3/8 x 3-1/2
	753	259	794	300	10	M16 x 36	42	+0.018 +0.002	110			12 x 8 x 90
180	30.59	11.14	32.21	12.76	-	3/4-10 UNC x 1.65	2.125	+0.0000 -0.0010	4.33	9.25	0.20	1/2 x 1/2 x 3-5/8
	777	283	818	324	10	M20 x 42	55	+0.030 +0.011	110			16 x 10 x 90
225	31.65	12.20	33.27	13.82	-	3/4-10 UNC x 1.65	2.125	+0.0000 -0.0010	4.33	9.02	0.20	1/2 x 1/2 x 3-5/8
	834	340	875	381	15	M20 x 42	60	+0.030 +0.011	140			18 x 11 x 110
250	32.84	13.39	34.45	15.00	-	3/4-10 UNC x 1.65	2.375	+0.0000 -0.0010	5.51	10.20	0.20	5/8 x 5/8 x 4-3/8
	834	340	875	381	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.

NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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DIMENSIONS

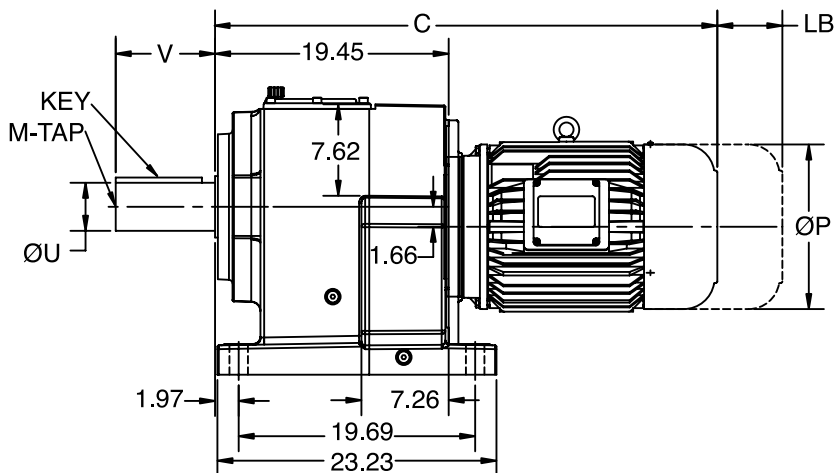
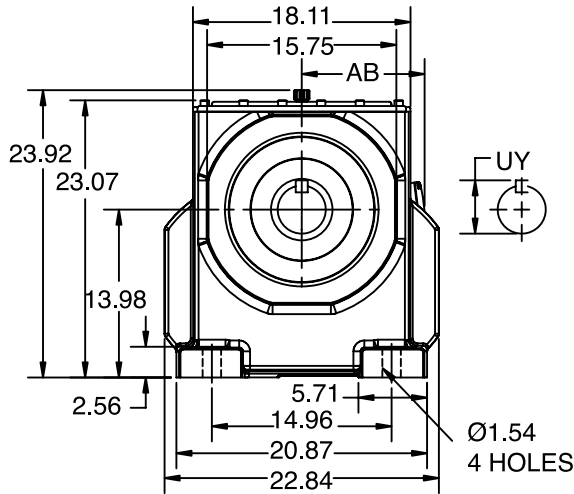


IN-LINE HELICAL GEAR REDUCER (ILH)

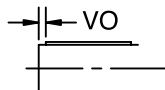
Integral Gearmotor - Foot Mounted

Double/Triple Reduction

SIZE: HB168



METRIC OUTPUT SHAFT



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DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HB168

Integral Gearmotor - Foot Mounted

Double/Triple Reduction

Standard Output Shaft

Dimension - Inch/MM

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

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
4.750	+0.0000 -0.0010	4.44	8.27	-	1-1/4 x 1-1/4 x 7	1-8 UNC x 1.97
120	+0.035 +0.013	127	210	15	32 x 18 x 180	M24 x 50

Motor

Dimension - Inch/MM

Frame	H168 Double		H168 Triple		P	AB
	C	LB	C	LB		
132M4	34.68	3.9	36.3	3.9	10.28	8.09
	881	99	923	99	262	206
132N4	36.18	3.9	37.8	3.9	10.28	8.09
	919	99	961	99	262	206

QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

NOMENCLATURE
PAGE ILH-4

MOUNTING POSITIONS
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STOCK/NON-STOCK PART NUMBERS
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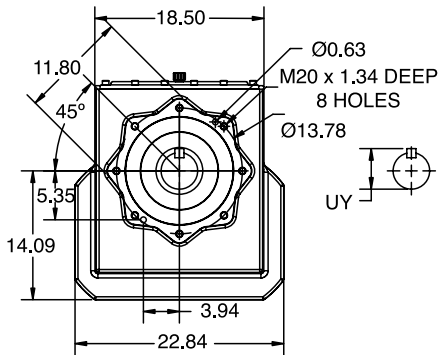
DIMENSIONS



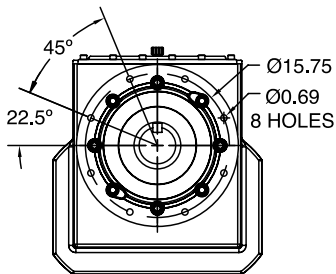
IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF168

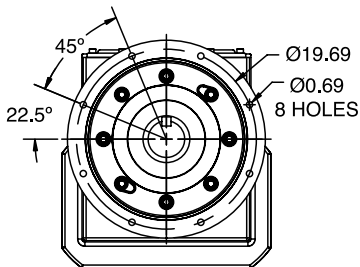
NEMA C-Face - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled
Double/Triple Reduction



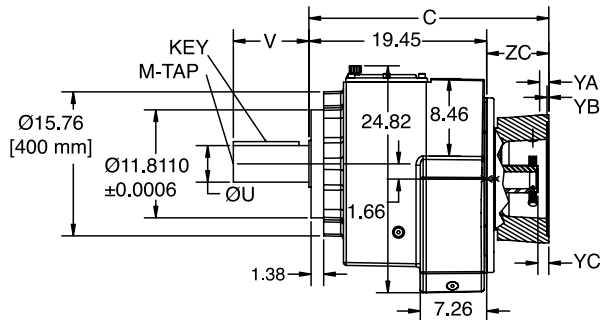
**B4 OUTPUT FLANGE -
Ø400mm**



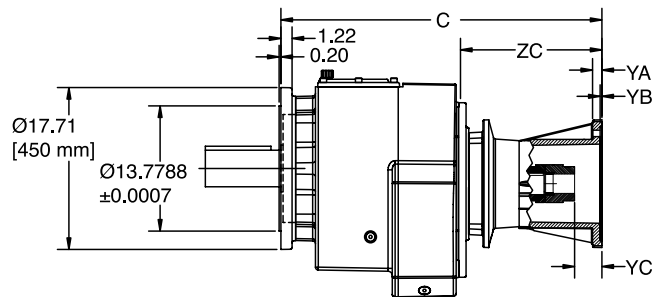
**B5 OUTPUT FLANGE -
Ø450mm**



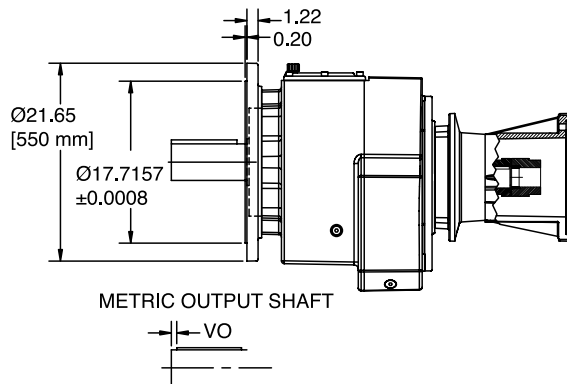
**B5 OUTPUT FLANGE -
Ø550mm**



CLAMP COLLAR



THREE-PIECE COUPLED



METRIC OUTPUT SHAFT

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IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF168

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

Standard Output Shaft

Dimension - Inch/MM

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

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
4.750	+0.0000 -0.0010	4.44	8.27	-	1-1/4 x 1-1/4 x 7	1-8 UNC x 1.97
120	+0.035 +0.013	127	210	15	32 x 18 x 180	M24 x 50

NEMA Motor Adapter - Clamp Collar

Dimension - Inch

	H168 Double		H168 Triple		YA	YB	YC
	C	ZC	C	ZC			
210TC	24.07	4.62	25.69	6.24	0.69	0.22	0.89
250TC	23.83	4.38	25.45	6.00	0.95	0.20	1.13
280TC	24.75	5.30	26.36	6.91	0.95	0.20	1.30
320TC	26.34	6.89	27.95	8.50	1.02	0.20	1.19
360TC	28.07	8.62	29.68	10.23	1.02	0.20	1.48

NEMA Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H168 Double		H168 Triple		YA	YB	YC
	C	ZC	C	ZC			
210TC	27.84	8.39	29.45	10.00	0.87	0.22	2.01
250TC	29.61	10.16	31.22	11.77	0.95	0.20	2.17
280TC	32.42	12.97	34.04	14.59	0.95	0.20	2.57
320TC	34.92	15.47	36.54	17.09	1.02	0.20	2.99
360TC	35.97	16.52	37.58	18.13	1.02	0.20	3.26

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

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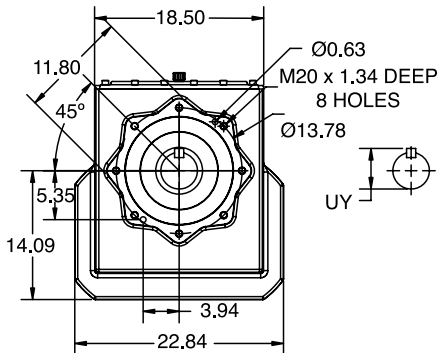
DIMENSIONS



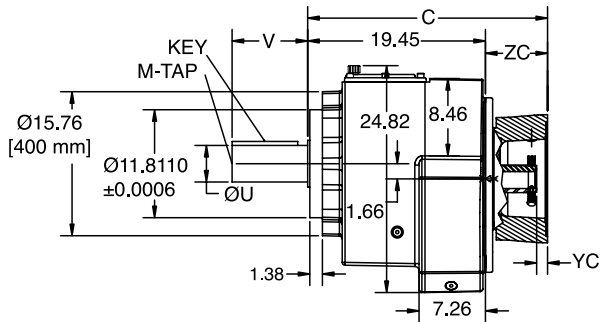
IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF168

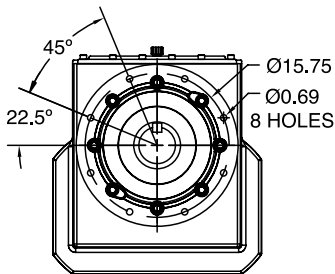
IEC D Flange (B5 Input) - Flange Mounted (B5 / B14) - Clamp Collar / 3 Piece Coupled
Double/Triple Reduction



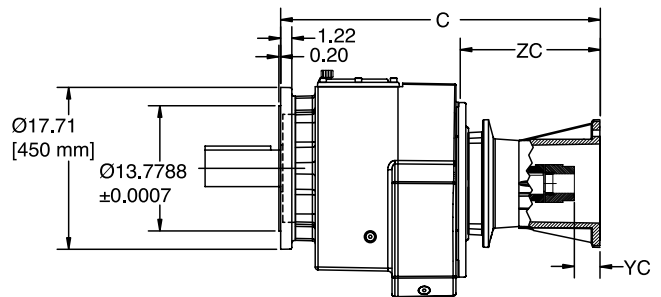
**B14 OUTPUT FLANGE -
Ø400mm**



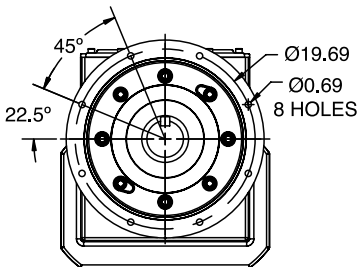
CLAMP COLLAR



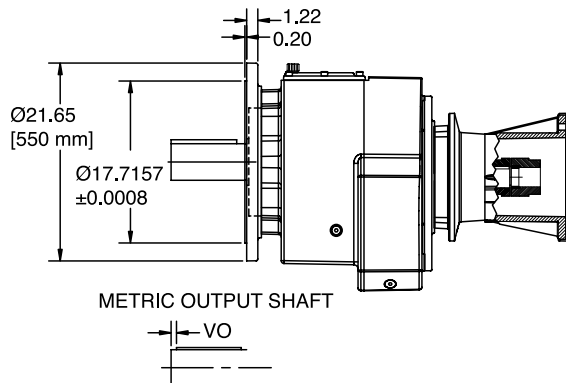
**B5 OUTPUT FLANGE -
Ø450mm**



THREE-PIECE COUPLED



**B5 OUTPUT FLANGE -
Ø550mm**



METRIC OUTPUT SHAFT

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DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF168

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

Standard Output Shaft

Dimension - Inch/MM

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

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
4.750	+0.0000 -0.0010	4.44	8.27	-	1-1/4 x 1-1/4 x 7	1-8 UNC x 1.97
120	+0.035 +0.013	127	210	15	32 x 18 x 180	M24 x 50

IEC Motor Adapter - Clamp Collar

Dimension - Inch

	H168 Double		H168 Triple		YC
	C	ZC	C	ZC	
132D	22.34	2.89	23.96	4.51	0.87
160D	23.86	4.41	25.47	6.02	0.79
180D	24.51	5.06	26.12	6.67	0.85
200D	24.90	5.45	26.52	7.07	1.18

IEC Motor Adapter - 3 Piece Coupled

Dimension - Inch

	H168 Double		H168 Triple		YC
	C	ZC	C	ZC	
132D	27.60	8.15	29.21	9.76	1.77
160D	30.04	10.59	31.65	12.20	2.60
180D	32.15	12.70	33.76	14.31	2.32
200D	32.19	12.74	33.80	14.35	2.36
225D	35.47	16.02	37.09	17.64	3.54
250D	35.65	16.20	37.26	17.81	2.95

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

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DIMENSIONS

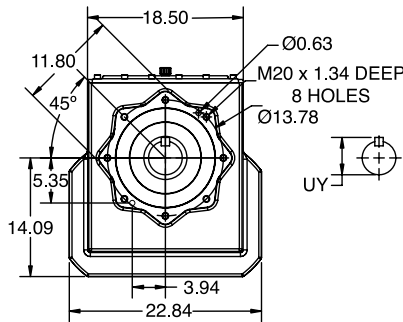


IN-LINE HELICAL GEAR REDUCER (ILH)

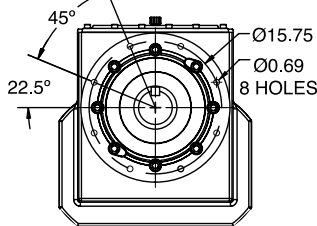
SIZE: HF168

Separate - Flange Mounted (B5 / B14)

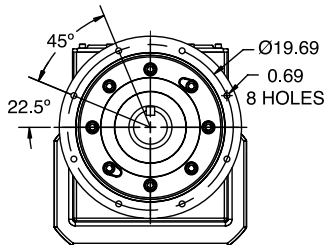
Double/Triple Reduction



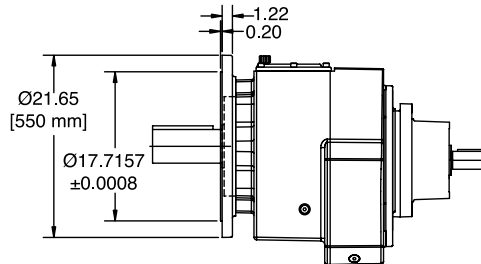
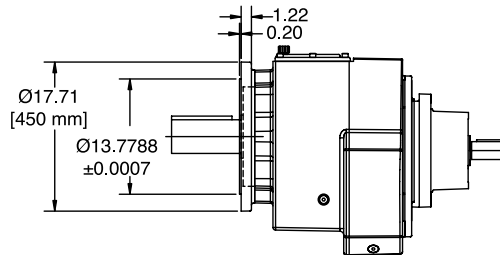
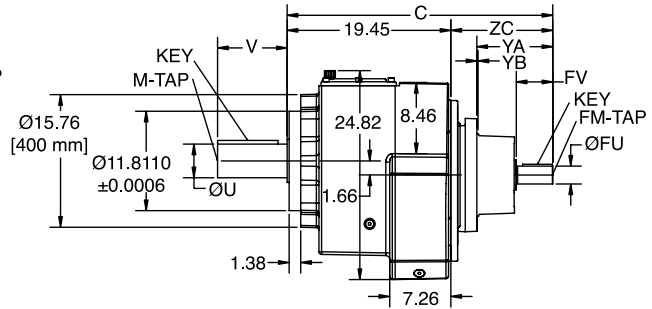
**B14 OUTPUT FLANGE -
Ø400mm**



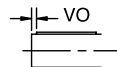
**B5 OUTPUT FLANGE -
Ø450mm**



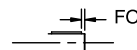
**B5 OUTPUT FLANGE -
Ø550mm**



METRIC OUTPUT SHAFT



METRIC INPUT SHAFT



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IN-LINE HELICAL GEAR REDUCER (ILH)

SIZE: HF168

Separate - Flange Mounted (B5 / B14)

Double/Triple Reduction

Standard Output Shaft

Dimension - Inch/MM

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

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
4.750	+0.0000 -0.0010	4.44	8.27	-	1-1/4 x 1-1/4 x 7	1-8 UNC x 1.97
120	+0.035 +0.013	127	210	15	32 x 18 x 180	M24 x 50

Separate Input

Dimension - Inch/MM

	H168 Double		H168 Triple		FO	FM x Depth	ØFU	tol.	FV	YA	YB	KEY
	C	ZC	C	ZC								
132	28.11	8.66	29.73	10.28	-	3/8-16 UNC x 1.10	1.375	+0.0000 -0.0005 +0.018 +0.002	3.15	6.61	0.14	5/16 x 5/16 x 2-3/4
	714	220	755	261	5	M12 x 28	38	+0.018 +0.002	80			10 x 8 x 70
160	29.65	10.20	31.26	11.81	-	5/8-11 UNC x 1.42	1.625	+0.0000 -0.0010 +0.018 +0.002	4.33	8.46	0.14	3/8 x 3/8 x 3-1/2
	753	259	794	300	10	M16 x 36	42	+0.018 +0.002	110			12 x 8 x 90
180	30.59	11.14	32.21	12.76	-	3/4-10 UNC x 1.65	2.125	+0.0000 -0.0010 +0.030 +0.011	4.33	9.25	0.16	1/2 x 1/2 x 3-5/8
	777	283	818	324	10	M20 x 42	55	+0.030 +0.011	110			16 x 10 x 90
225	31.65	12.20	33.27	13.82	-	3/4-10 UNC x 1.65	2.125	+0.0000 -0.0010 +0.030 +0.011	4.33	9.02	0.14	1/2 x 1/2 x 3-5/8
	834	340	875	381	15	M20 x 42	60	+0.030 +0.011	140	259		18 x 11 x 110
250	32.84	13.39	34.45	15.00	-	3/4-10 UNC x 1.65	2.375	+0.0000 -0.0010 +0.030 +0.011	5.51	10.20	0.14	5/8 x 5/8 x 4-3/8
	834	340	875	381	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.

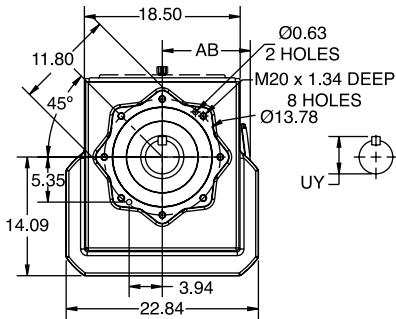
NOMENCLATURE PAGE ILH-4	MOUNTING POSITIONS PAGE ILH-7	STOCK/NON-STOCK PART NUMBERS PAGE ILH-67	WEIGHTS PAGE ILH-343
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DIMENSIONS

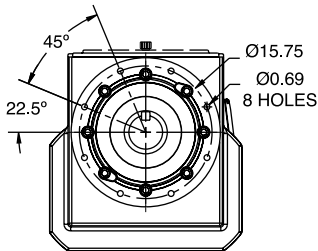


IN-LINE HELICAL GEAR REDUCER (ILH) Integral Gearmotor - Flange Mounted (B5 / B14) Double/Triple Reduction

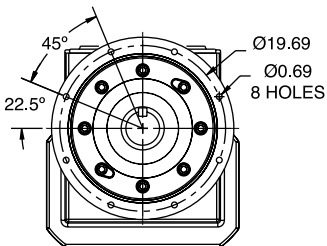
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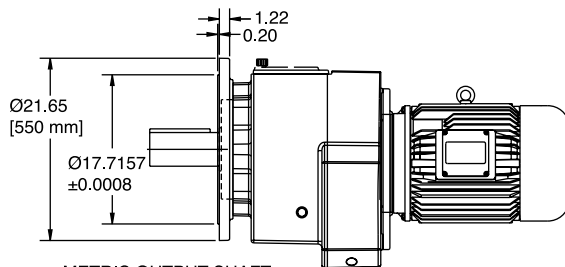
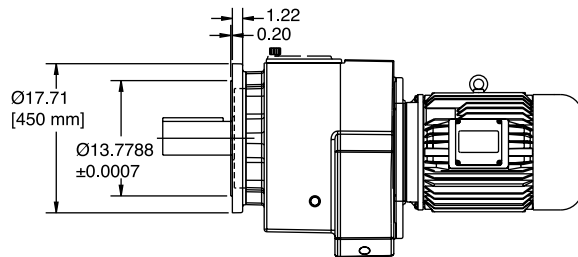
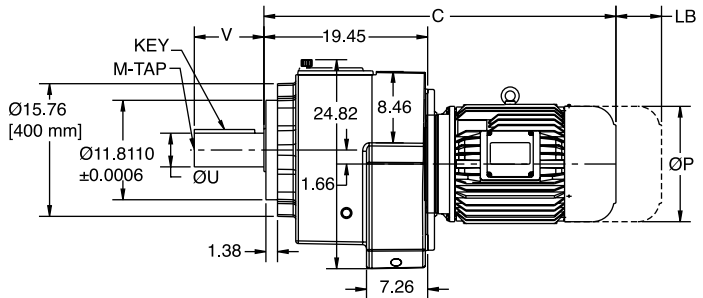
**B14 OUTPUT FLANGE -
Ø400mm**



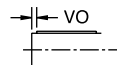
**B5 OUTPUT FLANGE -
Ø450mm**



**B5 OUTPUT FLANGE -
Ø550mm**



METRIC OUTPUT SHAFT



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DIMENSIONS



IN-LINE HELICAL GEAR REDUCER (ILH) Integral Gearmotor - Flange Mounted (B5 / B14) Double/Triple Reduction

SIZE: HF168

Standard Output Shaft

Dimension - Inch/MM

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

Optional Output Shaft

Dimension - Inch/MM

ØU	tol.	UY	V	VO	KEY	M-TAP x DEPTH
4.750	+0.0000 -0.0010	4.44	8.27	-	1-1/4 x 1-1/4 x 7	1-8 UNC x 1.97
120	+0.035 +0.013	127	210	15	32 x 18 x 180	M24 x 50

Motor

Dimension - Inch/MM

Frame	H168 Double		H168 Triple		P	AB
	C	LB	C	LB		
132M4	34.68	3.9	36.3	3.9	10.28	8.09
	881	99	923	99	262	206
132N4	36.18	3.9	37.8	3.9	10.28	8.09
	919	99	961	99	262	206

QUANTIS

QUANTIS GOLD

ILH

RHB

MSM

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