



GYROLOK® Flange Connectors

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GYROLOK®
Flange
Connectors



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For Your Safety

It is solely the responsibility of the system designer and user to select products suitable for their specific application requirements and to ensure proper installation, operation, and maintenance of these products. When selecting products, the total system design must be considered to ensure safe, trouble-free performance. Material compatibility, product ratings and application details should be considered in the selection. Improper selection or use of products described herein can cause personal injury or property damage.

Contact your authorized HOKE® sales and service representative for information about additional sizes and special alloys.

SAFETY WARNING:

HOKE® products are designed for installation only by professional suitably qualified licensed system installers experienced in the applications and environments for which the products are intended. These products are intended for integration into a system. Where these products are to be used with flammable or hazardous media, precautions must be taken by the system designer and installer to ensure the safety of persons and property. Flammable or hazardous media pose risks associated with fire or explosion, as well as burning, poisoning or other injury or death to persons and/or destruction of property. The system designer and installer must provide for the capture and control of such substances from any vents in the product(s). The system installer must not permit any leakage or uncontrolled escape of hazardous or flammable substances. The system operator must be trained to follow appropriate precautions and must inspect and maintain the system and its components including the product(s) and at regular intervals in accordance with timescales recommended by the supplier to prevent unacceptable wear or failure.



GYROLOK® Flange Connectors

GYROLOK® flange connectors provide a simple, safe interface between pipe flanges and instrument fittings, eliminating the need for pipe threading or welding. This design incorporates GYROLOK® Tube Fitting with a standard flange assembly. The flange end is dimensioned to meet ANSI B16.5 Pressure Classes 150, 300, 600, 1500, and 2500. Available in 316 stainless steel, Duplex UNS S31803, HASTELLOY® C-276, INCONEL®, MONEL®, and other superior alloys. Available in both Raised Face and Ring Joint flange configuration.



GYROLOK®

Flange Connectors

Technical Data

STANDARD MATERIAL*	316 stainless steel, Duplex UNS S31083, INCONEL®, HASTELLOY® C-276, MONEL®
FINISH	125 to 250 µinch
FLANGE SIZES NPS**	1/2", 3/8", 1", 1 1/4", 1 1/2", 2"
GYROLOK® FITTINGS	1/4", 3/4", 1/2", 3/4", 1" (Standard) 6, 8, 10, 12, 18, 20, 25mm (Metric)

* Consult factory for other materials
** Consult factory for other sizes

Features

- Meets ANSI B16.5 Pressure Class 150, 300, 600, 1500, and 2500 requirements for pipe flanges and flange fittings.†
- Includes GYROLOK® fittings – 1/4", 3/8", 1/2", 3/4", 1" & 6mm, 8mm, 10mm, 12mm, 18mm, 20mm, 25mm
- One-piece integral body.
- Use for transitions from process lines to instrumentation lines.
- See page 67 for options.
- Special High Tolerance NPT Thread

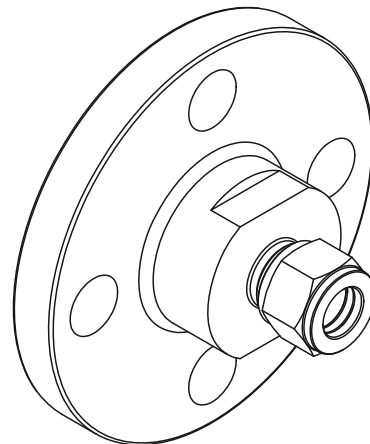
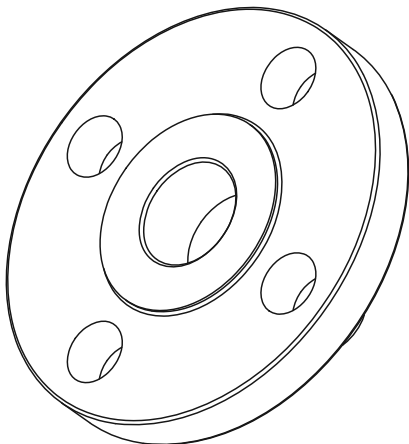
† Consult factory for other classes

ANSI B16.5 - Type Flanges

Class 150 Raised Face Flange X Imperial GYROLOK®

CLASS 150 RAISED FACE FLANGE X IMPERIAL GYROLOK												
NPS	OD	R	B	C	BC	BH	W	GYROLOK SIZE	D	HEX	Y	OAL
1/2	3.50	1.38	0.62	0.39	2.38	0.625	7/8	1/4	0.187	9/16	1.36	2.01
								3/8	0.282	11/16	1.30	2.01
								1/2	0.422	7/8	1.18	2.13
3/4	3.88	1.69	0.82	0.45	2.75		1 1/8	1/4	0.187	9/16	1.52	2.17
								3/8	0.282	11/16	1.46	2.17
								1/2	0.422	7/8	1.34	2.29
1	4.25	2.00	1.05	0.51	3.12		1 1/2	3/4	0.656	1 1/8	1.28	2.28
								1/4	0.187	9/16	1.52	2.17
								3/8	0.282	11/16	1.46	2.17
								1/2	0.422	7/8	1.34	2.29
1 1/4	4.62	2.50	1.38	0.57	3.50		1 3/4	3/4	0.656	1 1/8	1.28	2.28
								1	0.875	1 1/2	1.10	2.36
						1/4		0.187	9/16	1.64	2.29	
						3/8		0.282	11/16	1.58	2.29	
						1/2		0.422	7/8	1.46	2.41	
1 1/2	5.00	2.88	1.61	0.63	3.88	1 15/16	3/4	0.656	1 1/8	1.40	2.40	
							1	0.875	1 1/2	1.22	2.48	
							1/4	0.187	9/16	1.83	2.48	
							3/8	0.282	11/16	1.77	2.48	
							1/2	0.422	7/8	1.65	2.60	
2	6.00	3.62	2.07	0.70	4.75	0.750	2 3/8	3/4	0.656	1 1/8	1.59	2.59
								1	0.875	1 1/2	1.41	2.67
								1/4	0.187	9/16	2.09	2.74
								3/8	0.282	11/16	2.03	2.74
								1/2	0.422	7/8	1.91	2.86
								3/4	0.656	1 1/8	1.85	2.85
								1	0.875	1 1/2	1.67	2.93

Dimensions are in inches unless otherwise noted.
 Dimensions are for reference only and are subject to change.



ANSI B16.5 - Type Flanges

Class 150 Raised Face Flange X Imperial GYROLOK®

How to Order

[] F C R F [] [] -150

RAISED FACE FLANGE

GYROLOK® Sizes*

4	1/4"
6	3/8"
8	1/2"
12	3/4"
16	1"

* Refer to the GYROLOK® catalog #79002 for our full range of fitting products. See the HOKE® Tubing Data Charts #79308 for more information on tube data. Available GYROLOK® sizes vary by size, type, and class. Please see appropriate table for sizes. Consult factory for any special requests.

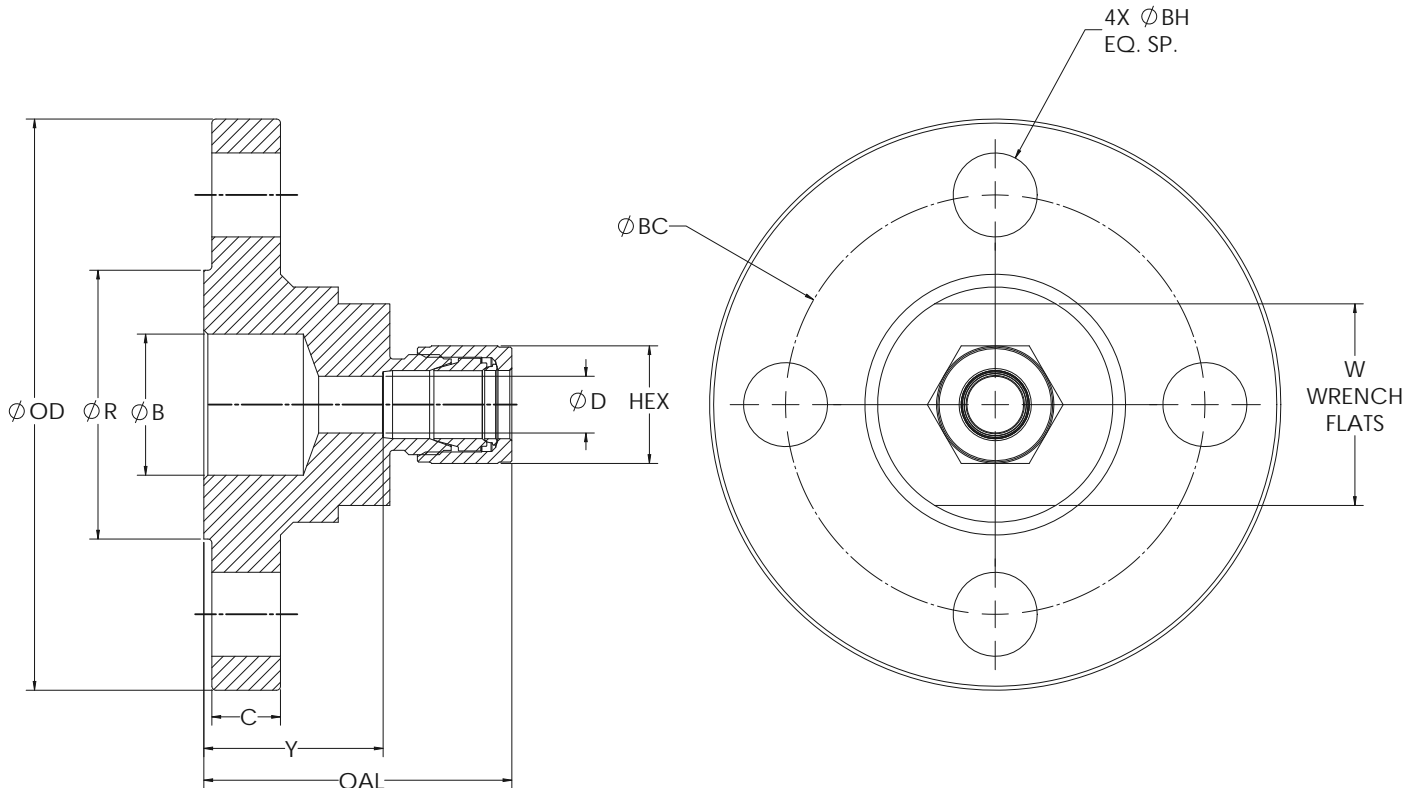
ANSI B16.5 Pressure Class

Flange Material

316	316 SS/316L
M	MONEL®
HC	HASTELLOY® C-276
DX3	Duplex 2205
625	INCONEL® Alloy
825	INCONEL® Alloy
D50	Super Duplex 2507
TI	Titanium
6MO	254 SMO

Nominal Flange Size NPS

8	1/2"	Consult factory for sizes not included in tables.
12	3/4"	
16	1"	
20	1 1/4"	
24	1 1/2"	
32	2"	



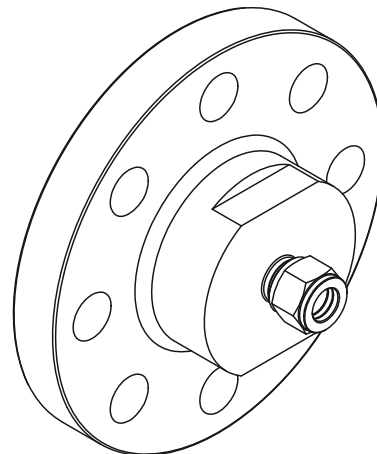
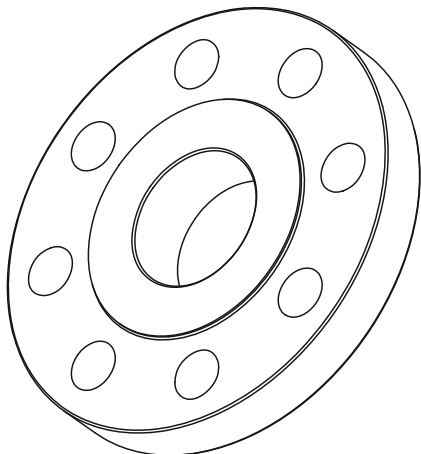
ANSI B16.5 - Type Flanges

Class 300 Raised Face Flange X Imperial GYROLOK®

CLASS 300 RAISED FACE FLANGE X IMPERIAL GYROLOK																
NPS	OD	R	B	C	BC	BH	BH QTY	W	GYROLOK SIZE	D	HEX	Y	OAL			
1/2	3.75	1.38	0.62	0.51	2.62	0.625	4	1 1/8	1/4	0.187	9/16	1.52	2.17			
									3/8	0.282	11/16	1.46	2.17			
									1/2	0.422	7/8	1.34	2.29			
									3/4	0.656	1 1/8	1.28	2.28			
3/4	4.62	1.69	0.82	0.57	3.25	0.750		4	1 7/16	1/4	0.187	9/16	1.78	2.43		
										3/8	0.282	11/16	1.72	2.43		
										1/2	0.422	7/8	1.60	2.55		
										3/4	0.656	1 1/8	1.54	2.54		
										1	0.875	1 1/2	1.36	2.62		
1	4.88	2.00	1.05	0.63	3.50	0.750			4	1 5/8	1/4	0.187	9/16	1.93	2.58	
											3/8	0.282	11/16	1.87	2.58	
											1/2	0.422	7/8	1.75	2.70	
											3/4	0.656	1 1/8	1.69	2.69	
											1	0.875	1 1/2	1.51	2.77	
1 1/4	5.25	2.50	1.38	0.70	3.88	0.750				4	1 15/16	1/4	0.187	9/16	1.90	2.55
												3/8	0.282	11/16	1.84	2.55
							1/2					0.422	7/8	1.72	2.67	
							3/4					0.656	1 1/8	1.66	2.66	
							1					0.875	1 1/2	1.48	2.74	
1 1/2	6.12	2.88	1.61	0.76	4.50	0.875	4				2 1/8	1/4	0.187	9/16	2.04	2.69
								3/8				0.282	11/16	1.98	2.69	
								1/2				0.422	7/8	1.86	2.81	
								3/4				0.656	1 1/8	1.80	2.80	
								1				0.875	1 1/2	1.62	2.88	
2	6.50	3.62	2.07	0.82	5.00	0.750		8			2 9/16	1/4	0.187	9/16	2.22	2.87
									3/8			0.282	11/16	2.16	2.87	
									1/2			0.422	7/8	2.04	2.99	
									3/4			0.656	1 1/8	1.98	2.98	
									1			0.875	1 1/2	1.80	3.06	

Dimensions are in inches unless otherwise noted.

Dimensions are for reference only and are subject to change.



ANSI B16.5 - Type Flanges

Class 300 Raised Face Flange X Imperial GYROLOK®

How to Order

[] **F C R F** [] [] -300

RAISED FACE FLANGE

Ansi B16.5 Pressure Class

Flange Material

GYROLOK® *Sizes**

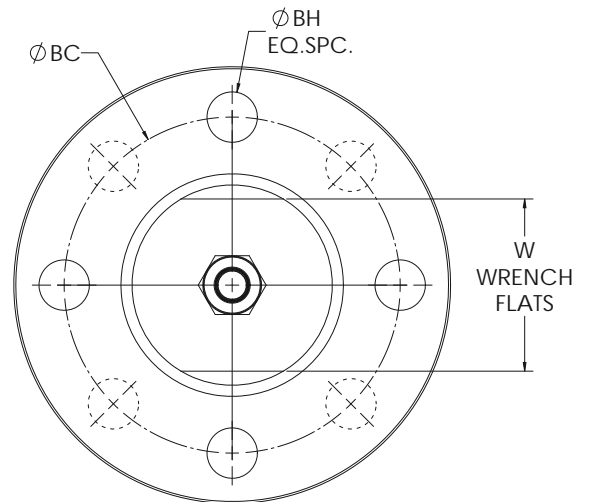
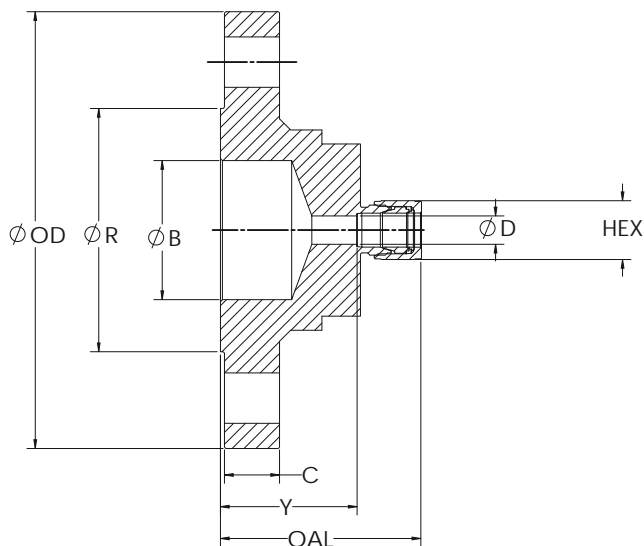
4	1/4"
6	3/8"
8	1/2"
12	3/4"
16	1"

316	316 SS/316L
M	MONEL®
HC	HASTELLOY® C-276
DX3	Duplex 2205
625	INCONEL® Alloy
825	INCONEL® Alloy
D50	Super Duplex 2507
TI	Titanium
6M0	254 SMO

* Refer to the GYROLOK® catalog #79002 for our full range of fitting products. See the HOKE® Tubing Data Charts #79308 for more information on tube data. Available GYROLOK® sizes vary by size, type, and class. Please see appropriate table for sizes. Consult factory for any special requests.

Nominal Flange Size NPS

8	1/2"	Consult factory for sizes not included in tables.
12	3/4"	
16	1"	
20	1 1/4"	
24	1 1/2"	
32	2"	

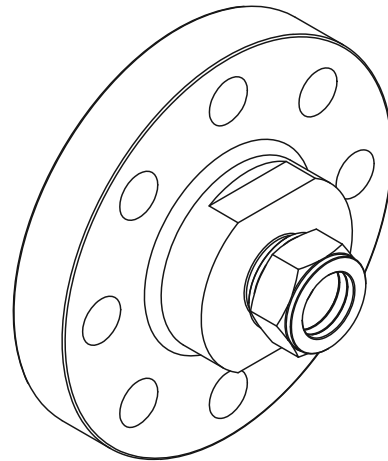
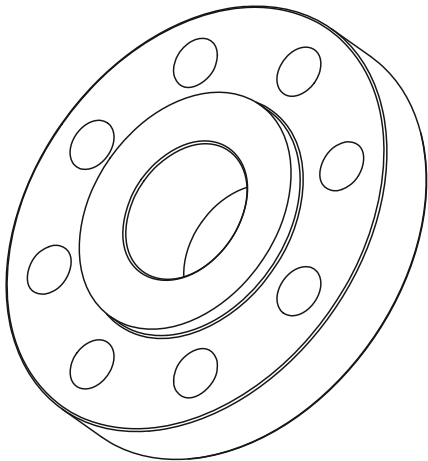


ANSI B16.5 - Type Flanges

Class 400/600 Raised Face Flange X Imperial GYROLOK®

CLASS 400/600 RAISED FACE FLANGE X IMPERIAL GYROLOK																
NPS	OD	R	B	C	BC	BH	BH QTY	W	GYROLOK SIZE	D	HEX	Y	OAL			
1/2	3.75	1.38	0.62	0.57	2.62	0.625	4	1 1/8	1/4	0.187	9/16	1.77	2.42			
									3/8	0.282	11/16	1.71	2.42			
									1/2	0.422	7/8	1.59	2.54			
									3/4	0.656	1 1/8	1.53	2.53			
3/4	4.62	1.69	0.82	0.63	3.25	0.750		4	1 7/16	1/4	0.187	9/16	2.03	2.68		
										3/8	0.282	11/16	1.97	2.68		
										1/2	0.422	7/8	1.85	2.80		
										3/4	0.656	1 1/8	1.79	2.79		
1	4.88	2.00	1.05	0.70	3.50	0.750			4	1 5/8	1	0.875	1 1/2	1.61	2.87	
											1/4	0.187	9/16	2.03	2.68	
											3/8	0.282	11/16	1.97	2.68	
											1/2	0.422	7/8	1.85	2.80	
1 1/4	5.25	2.50	1.38	0.82	3.88	0.750				4	1 15/16	3/4	0.656	1 1/8	1.79	2.79
												1	0.875	1 1/2	1.61	2.87
												1/4	0.187	9/16	2.03	2.68
												3/8	0.282	11/16	1.97	2.68
1 1/2	6.12	2.88	1.61	0.89	4.50	0.875	4				2 1/8	1/2	0.422	7/8	1.85	2.80
												3/4	0.656	1 1/8	1.79	2.79
												1	0.875	1 1/2	1.61	2.87
												1/4	0.187	9/16	2.03	2.68
2	6.50	3.62	2.07	1.01	5.00	0.750		8			2 9/16	3/8	0.282	11/16	1.97	2.68
												1/2	0.422	7/8	1.85	2.80
												3/4	0.656	1 1/8	1.79	2.79
												1	0.875	1 1/2	1.61	2.87
									1/4			0.187	9/16	2.03	2.68	
2	6.50	3.62	2.07	1.01	5.00	0.750			8		2 9/16	3/8	0.282	11/16	1.97	2.68
												1/2	0.422	7/8	1.85	2.80
												3/4	0.656	1 1/8	1.79	2.79
										1		0.875	1 1/2	1.61	2.87	

Dimensions are in inches unless otherwise noted.
 Dimensions are for reference only and are subject to change.



ANSI B16.5 - Type Flanges

Class 400/600 Raised Face Flange X Imperial GYROLOK®

How to Order

[] F C R F [] [] -600

RAISED FACE FLANGE

GYROLOK® Sizes*

4	1/4"
6	3/8"
8	1/2"
12	3/4"
16	1"

* Refer to the GYROLOK® catalog #79002 for our full range of fitting products. See the HOKE® Tubing Data Charts #79308 for more information on tube data. Available GYROLOK® sizes vary by size, type, and class. Please see appropriate table for sizes. Consult factory for any special requests.

ANSI B16.5 Pressure Class

For class 400 flanges up to 3.5" NPS specify class 600.

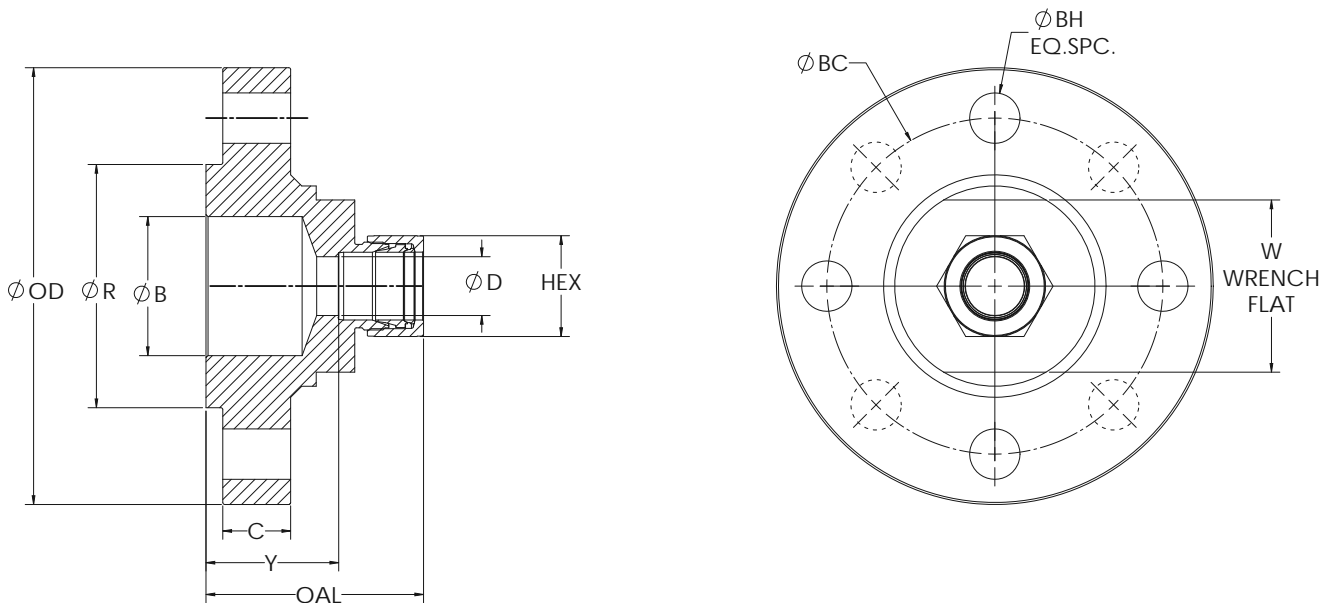
Flange Material

316	316 SS/316L
M	MONEL®
HC	HASTELLOY® C-276
DX3	Duplex 2205
625	INCONEL® Alloy
825	INCONEL® Alloy
D50	Super Duplex 2507
TI	Titanium
6MO	254 SMO

Nominal Flange Size NPS

8	1/2"
12	3/4"
16	1"
20	1 1/4"
24	1 1/2"
32	2"

Consult factory for sizes not included in tables.



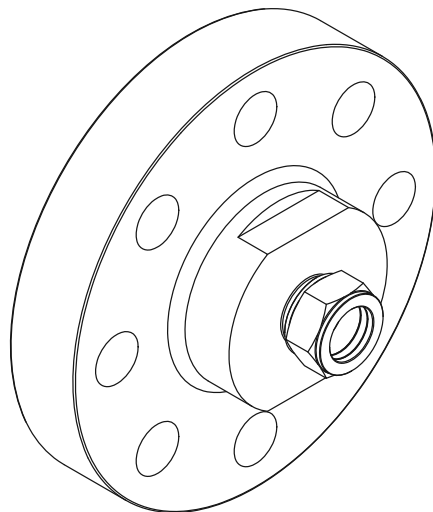
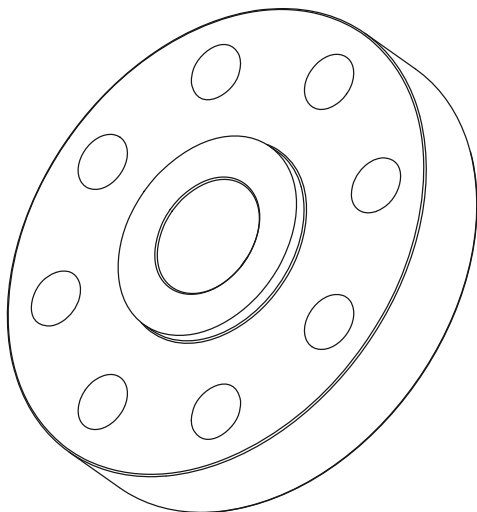
ANSI B16.5 - Type Flanges

Class 900/1500 Raised Face Flange X Imperial GYROLOK®

CLASS 900/1500 RAISED FACE FLANGE X IMPERIAL GYROLOK																
NPS	OD	R	B	C	BC	BH	BH QTY	W	GYROLOK SIZE	D	HEX	Y	OAL			
1/2	4.75	1.38	0.62	0.89	3.25	0.875	4	1 1/8	1/4	0.187	9/16	2.42	3.07			
									3/8	0.282	11/16	2.36	3.07			
									1/2	0.422	7/8	2.24	3.19			
									3/4	0.656	1 1/8	2.18	3.18			
3/4	5.12	1.69	0.82	1.01	3.50	0.875		4	1 5/16	1/4	0.187	9/16	2.54	3.19		
										3/8	0.282	11/16	2.48	3.19		
										1/2	0.422	7/8	2.36	3.31		
										3/4	0.656	1 1/8	2.30	3.30		
1	5.88	2.00	1.05	1.13	4.00	1.000			4	1 9/16	1/4	0.187	9/16	2.80	3.45	
											3/8	0.282	11/16	2.74	3.45	
											1/2	0.422	7/8	2.62	3.57	
											3/4	0.656	1 1/8	2.56	3.56	
1 1/4	6.25	2.50	1.38	1.13	4.38	1.000				4	1 15/16	1/4	0.187	9/16	2.80	3.45
												3/8	0.282	11/16	2.74	3.45
												1/2	0.422	7/8	2.62	3.57
												3/4	0.656	1 1/8	2.56	3.56
1 1/2	7.00	2.88	1.61	1.26	4.88	1.125	4				2 1/8	1/4	0.187	9/16	3.07	3.72
												3/8	0.282	11/16	3.01	3.72
												1/2	0.422	7/8	2.89	3.84
												3/4	0.656	1 1/8	2.83	3.83
2	8.50	3.62	2.07	1.51	6.50	1.000		8			3 3/16	1/4	0.187	9/16	3.18	3.83
												3/8	0.282	11/16	3.12	3.83
												1/2	0.422	7/8	3.00	3.95
												3/4	0.656	1 1/8	2.94	3.94
												1	0.875	1 1/2	2.76	4.02

Dimensions are in inches unless otherwise noted.

Dimensions are for reference only and are subject to change.



ANSI B16.5 - Type Flanges

Class 900/1500 Raised Face Flange X Imperial GYROLOK®

How to Order

[] F C R F [] [] -1500

RAISED FACE FLANGE

GYROLOK® Sizes*

4	1/4"
6	3/8"
8	1/2"
12	3/4"
16	1"

* Refer to the GYROLOK® catalog #79002 for our full range of fitting products. See the HOKE® Tubing Data Charts #79308 for more information on tube data. Available GYROLOK® sizes vary by size, type, and class. Please see appropriate table for sizes. Consult factory for any special requests.

ANSI B16.5 Pressure Class

For class 900 flanges up to 2.5" NPS specify class 1500.

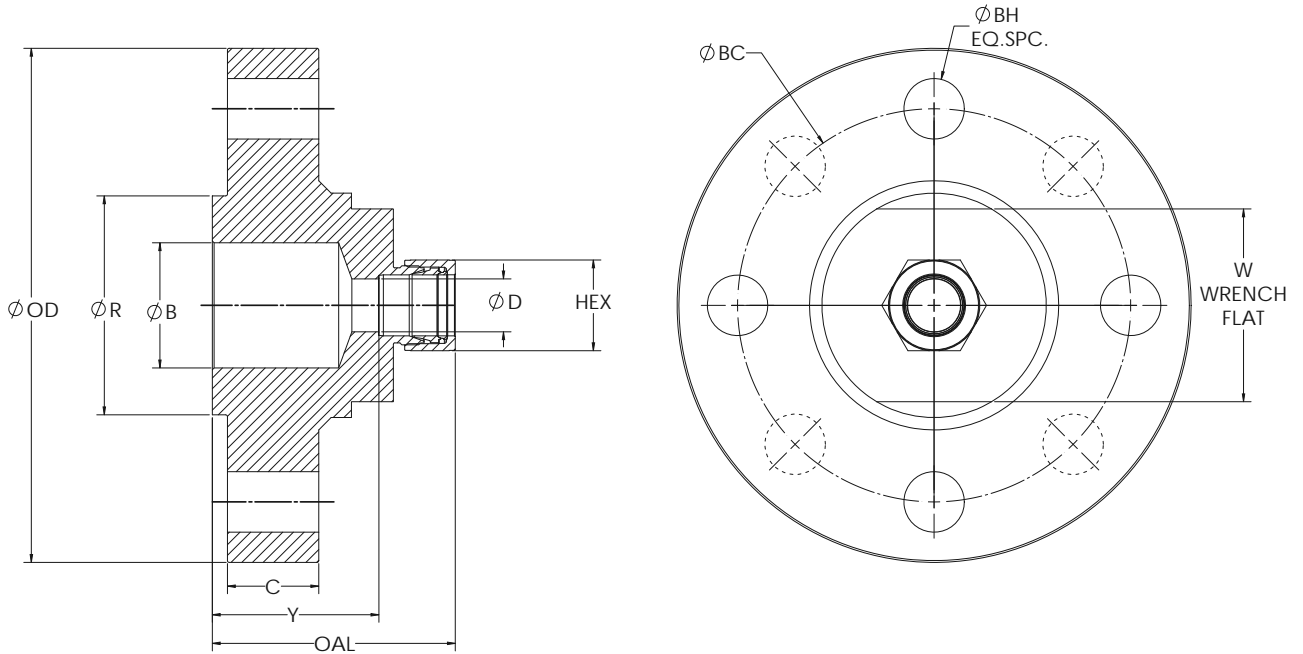
Flange Material

316	316 SS/316L
M	MONEL®
HC	HASTELLOY® C-276
DX3	Duplex 2205
625	INCONEL® Alloy
825	INCONEL® Alloy
D50	Super Duplex 2507
TI	Titanium
6M0	254 SMO

Nominal Flange Size NPS

8	1/2"
12	3/4"
16	1"
20	1 1/4"
24	1 1/2"
32	2"

Consult factory for sizes not included in tables.



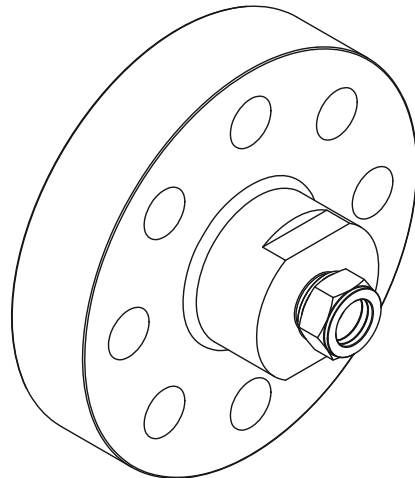
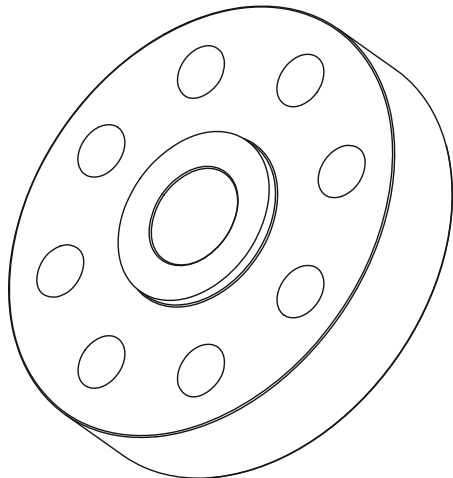
ANSI B16.5 - Type Flanges

Class 2500 Raised Face Flange X Imperial GYROLOK®

CLASS 2500 RAISED FACE FLANGE X IMPERIAL GYROLOK													
NPS	OD	R	B	C	BC	BH	BH QTY	W	GYROLOK SIZE	D	HEX	Y	OAL
1/2	5.25	1.38	0.62	1.20	3.50	0.875	4	1 5/16	1/4	0.187	9/16	2.67	3.32
									3/8	0.282	11/16	2.61	3.32
									1/2	0.422	7/8	2.49	3.44
									3/4	0.656	1 1/8	2.43	3.43
									1	0.875	1 1/2	2.25	3.51
3/4	5.50	1.69	0.82	1.26	3.75	0.875		1 1/2	1/4	0.187	9/16	2.79	3.44
									3/8	0.282	11/16	2.73	3.44
									1/2	0.422	7/8	2.61	3.56
									3/4	0.656	1 1/8	2.55	3.55
									1	0.875	1 1/2	2.37	3.63
1	6.25	2.00	1.05	1.39	4.25	1.000		1 3/4	1/4	0.187	9/16	3.20	3.85
									3/8	0.282	11/16	3.14	3.85
									1/2	0.422	7/8	3.02	3.97
									3/4	0.656	1 1/8	2.96	3.96
									1	0.875	1 1/2	2.78	4.04
1 1/4	7.25	2.50	1.38	1.51	5.12	1.125		2 3/16	1/4	0.187	9/16	3.32	3.97
									3/8	0.282	11/16	3.26	3.97
									1/2	0.422	7/8	3.14	4.09
									3/4	0.656	1 1/8	3.08	4.08
									1	0.875	1 1/2	2.90	4.16
1 1/2	8.00	2.88	1.61	1.76	5.75	1.250	2 3/8	1/4	0.187	9/16	3.89	4.54	
								3/8	0.282	11/16	3.83	4.54	
								1/2	0.422	7/8	3.71	4.66	
								3/4	0.656	1 1/8	3.65	4.65	
								1	0.875	1 1/2	3.47	4.73	
2	9.25	3.62	2.07	2.01	6.75	1.125	8	2 7/8	1/4	0.187	9/16	4.30	4.95
									3/8	0.282	11/16	4.24	4.95
									1/2	0.422	7/8	4.12	5.07
									3/4	0.656	1 1/8	4.06	5.06
									1	0.875	1 1/2	3.88	5.14

Dimensions are in inches unless otherwise noted.

Dimensions are for reference only and are subject to change.



ANSI B16.5 - Type Flanges

Class 2500 Raised Face Flange X Imperial GYROLOK®

How to Order

[] F C R F [] [] -2500

RAISED FACE FLANGE

Ansi B16.5 Pressure Class

Flange Material

GYROLOK® *Sizes**

4	1/4"
6	3/8"
8	1/2"
12	3/4"
16	1"

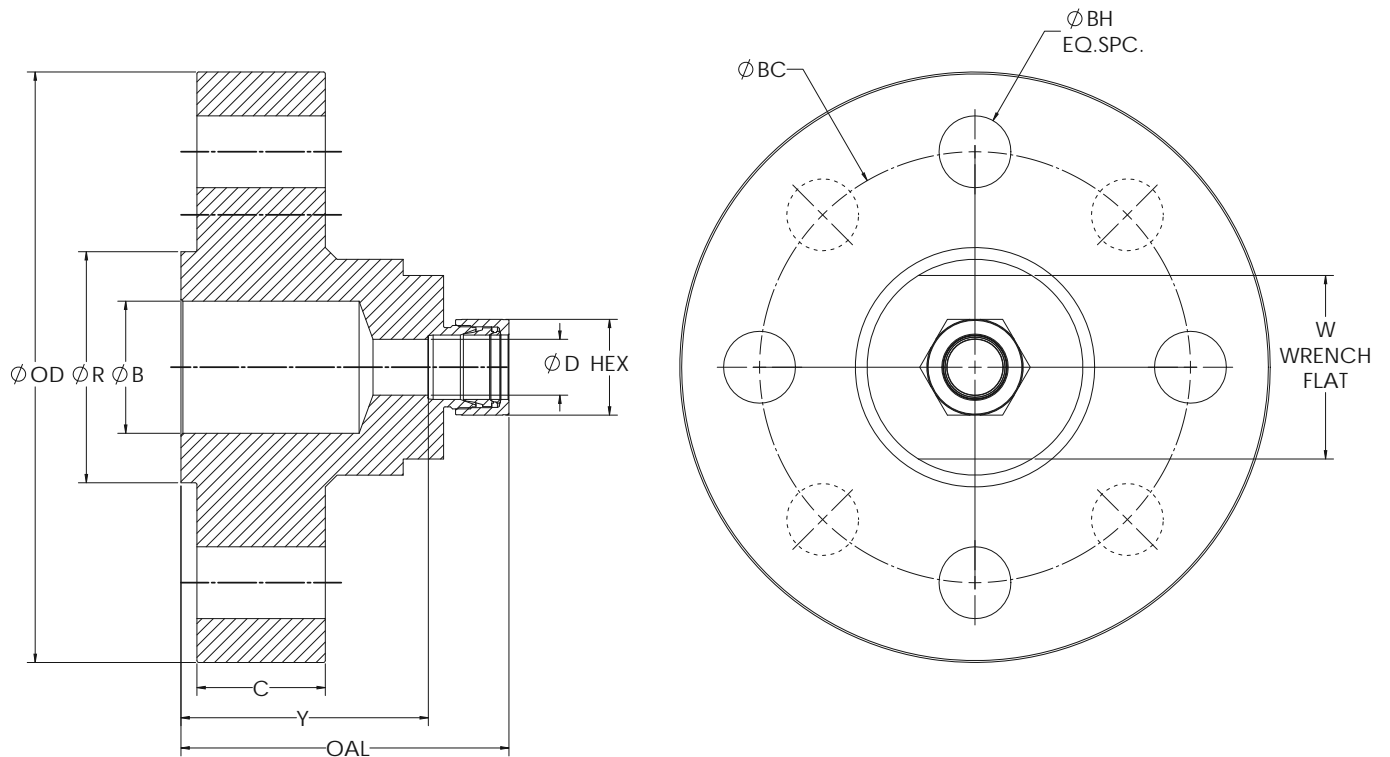
316	316 SS/316L
M	MONEL®
HC	HASTELLOY® C-276
DX3	Duplex 2205
625	INCONEL® Alloy
825	INCONEL® Alloy
D50	Super Duplex 2507
TI	Titanium
6MO	254 SMO

* Refer to the GYROLOK® catalog #79002 for our full range of fitting products. See the HOKE® Tubing Data Charts #79308 for more information on tube data. Available GYROLOK® sizes vary by size, type, and class. Please see appropriate table for sizes. Consult factory for any special requests.

Nominal Flange Size NPS

8	1/2"
12	3/4"
16	1"
20	1 1/4"
24	1 1/2"
32	2"

Consult factory for sizes not included in tables.

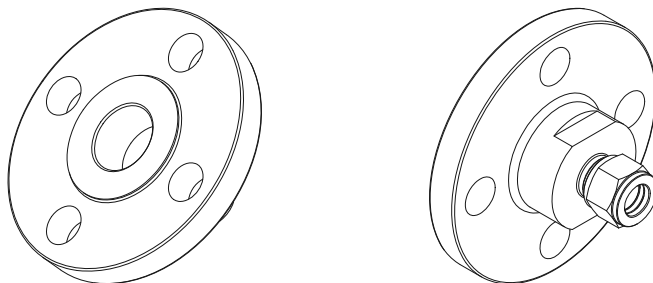


ANSI B16.5 - Type Flanges

Class 150 Raised Face Flange X Metric GYROLOK®

CLASS 150 RAISED FACE FLANGE X METRIC GYROLOK												
NPS	OD	R	B	C	BC	BH	W	GYROLOK SIZE (mm)	D	HEX	Y	OAL
1/2	3.50	1.38	0.62	0.39	2.38	0.625	7/8	6	0.156	9/16	1.37	2.00
								8	0.234	5/8	1.34	1.99
								10	0.316	3/4	1.31	2.01
								12	0.394	7/8	1.18	2.10
3/4	3.88	1.69	0.82	0.45	2.75		1 1/8	6	0.156	9/16	1.53	2.16
								8	0.234	5/8	1.50	2.15
								10	0.316	3/4	1.47	2.17
								12	0.394	7/8	1.34	2.26
								18	0.625	1 1/8	1.28	2.31
								20	0.656	1 1/4	1.16	2.34
1	4.25	2.00	1.05	0.51	3.12		1 1/2	6	0.156	9/16	1.91	2.54
								8	0.234	5/8	1.88	2.53
						10		0.316	3/4	1.85	2.55	
						12		0.394	7/8	1.72	2.64	
						18		0.625	1 1/8	1.66	2.69	
						20		0.656	1 1/4	1.54	2.72	
						25		0.859	1 1/2	1.48	2.79	
1 1/4	4.62	2.50	1.38	0.57	3.50	1 3/4	6	0.156	9/16	1.65	2.28	
							8	0.234	5/8	1.62	2.27	
							10	0.316	3/4	1.59	2.29	
							12	0.394	7/8	1.46	2.38	
							18	0.625	1 1/8	1.40	2.43	
							20	0.656	1 1/4	1.28	2.46	
							25	0.859	1 1/2	1.22	2.53	
1 1/2	5.00	2.88	1.61	0.63	3.88	1 15/16	6	0.156	9/16	2.11	2.74	
							8	0.234	5/8	2.08	2.73	
							10	0.316	3/4	2.05	2.75	
							12	0.394	7/8	1.92	2.84	
							18	0.625	1 1/8	1.86	2.89	
							20	0.656	1 1/4	1.74	2.92	
							25	0.859	1 1/2	1.68	2.99	
2	6.00	3.62	2.07	0.70	4.75	0.750	2 3/8	6	0.156	9/16	1.91	2.54
								8	0.234	5/8	1.88	2.53
								10	0.316	3/4	1.85	2.55
								12	0.394	7/8	1.72	2.64
								18	0.625	1 1/8	1.66	2.69
								20	0.656	1 1/4	1.54	2.72
								25	0.859	1 1/2	1.48	2.79

Dimensions are in inches unless otherwise noted.
 Dimensions are for reference only and are subject to change.



ANSI B16.5 - Type Flanges

Class 150 Raised Face Flange X Metric GYROLOK®

How to Order

[] F C R F [] [] ME-150

RAISED FACE FLANGE

Ansi B16.5 Pressure Class

Flange Material

GYROLOK® *Sizes**

6	6mm
8	8mm
10	10mm
12	12mm
18	18mm
20	20mm
25	25mm

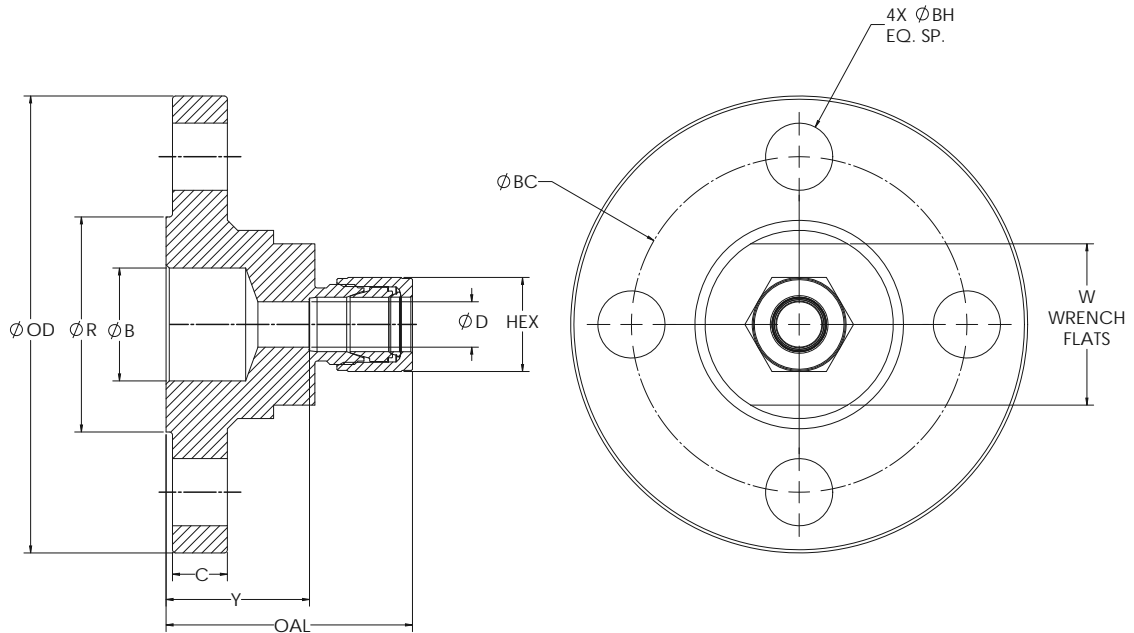
316	316 SS/316L
M	MONEL®
HC	HASTELLOY® C-276
DX3	Duplex 2205
625	INCONEL® Alloy
825	INCONEL® Alloy
D50	Super Duplex 2507
TI	Titanium
6M0	254 SMO

Nominal Flange Size NPS

8	1/2"
12	3/4"
16	1"
20	1 1/4"
24	1 1/2"
32	2"

Consult factory for sizes not included in tables.

* Refer to the GYROLOK® catalog #79002 for our full range of fitting products. See the HOKE® Tubing Data Charts #79308 for more information on tube data. Available GYROLOK® sizes vary by size, type, and class. Please see appropriate table for sizes. Consult factory for any special requests.



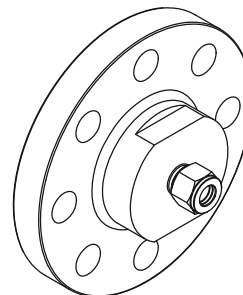
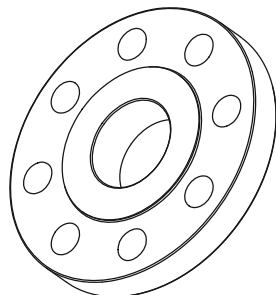
ANSI B16.5 - Type Flanges

Class 300 Raised Face Flange X Metric GYROLOK®

CLASS 300 RAISED FACE FLANGE X METRIC GYROLOK													
NPS	OD	R	B	C	BC	BH	BH QTY	W	GYROLOK SIZE (mm)	D	HEX	Y	OAL
1/2	3.75	1.38	0.62	0.51	2.62	0.625	4	1 1/8	6	0.156	9/16	1.49	2.12
									8	0.234	5/8	1.46	2.11
									10	0.316	3/4	1.43	2.13
									12	0.394	7/8	1.30	2.22
3/4	4.62	1.69	0.82	0.57	3.25	0.750	4	1 7/16	6	0.156	9/16	1.79	2.42
									8	0.234	5/8	1.76	2.41
									10	0.316	3/4	1.73	2.43
									12	0.394	7/8	1.60	2.52
									18	0.625	1 1/8	1.54	2.57
									20	0.656	1 1/4	1.42	2.60
1	4.88	2.00	1.05	0.63	3.50	0.750	4	1 5/8	6	0.156	9/16	1.79	2.42
									8	0.234	5/8	1.76	2.41
									10	0.316	3/4	1.73	2.43
									12	0.394	7/8	1.60	2.52
									18	0.625	1 1/8	1.54	2.57
									20	0.656	1 1/4	1.42	2.60
1 1/4	5.25	2.50	1.38	0.70	3.88	0.750	4	1 15/16	6	0.156	9/16	1.91	2.54
									8	0.234	5/8	1.88	2.53
									10	0.316	3/4	1.85	2.55
									12	0.394	7/8	1.72	2.64
									18	0.625	1 1/8	1.66	2.69
									20	0.656	1 1/4	1.54	2.72
1 1/2	6.12	2.88	1.61	0.76	4.50	0.875	4	2 1/8	6	0.156	9/16	2.43	3.06
									8	0.234	5/8	2.40	3.05
									10	0.316	3/4	2.37	3.07
									12	0.394	7/8	2.24	3.16
									18	0.625	1 1/8	2.18	3.21
									20	0.656	1 1/4	2.06	3.24
2	6.50	3.62	2.07	0.82	5.00	0.750	8	2 9/16	6	0.156	9/16	2.04	2.67
									8	0.234	5/8	2.01	2.66
									10	0.316	3/4	1.98	2.68
									12	0.394	7/8	1.85	2.77
									18	0.625	1 1/8	1.79	2.82
									20	0.656	1 1/4	1.67	2.85
									25	0.859	1 1/2	1.61	2.92

Dimensions are in inches unless otherwise noted.

Dimensions are for reference only and are subject to change.



ANSI B16.5 - Type Flanges

Class 300 Raised Face Flange X Metric GYROLOK®

How to Order

[] F C R F [] [] ME-300

RAISED FACE FLANGE

Ansi B16.5 Pressure Class

Flange Material

GYROLOK® *Sizes**

6	6mm
8	8mm
10	10mm
12	12mm
18	18mm
20	20mm
25	25mm

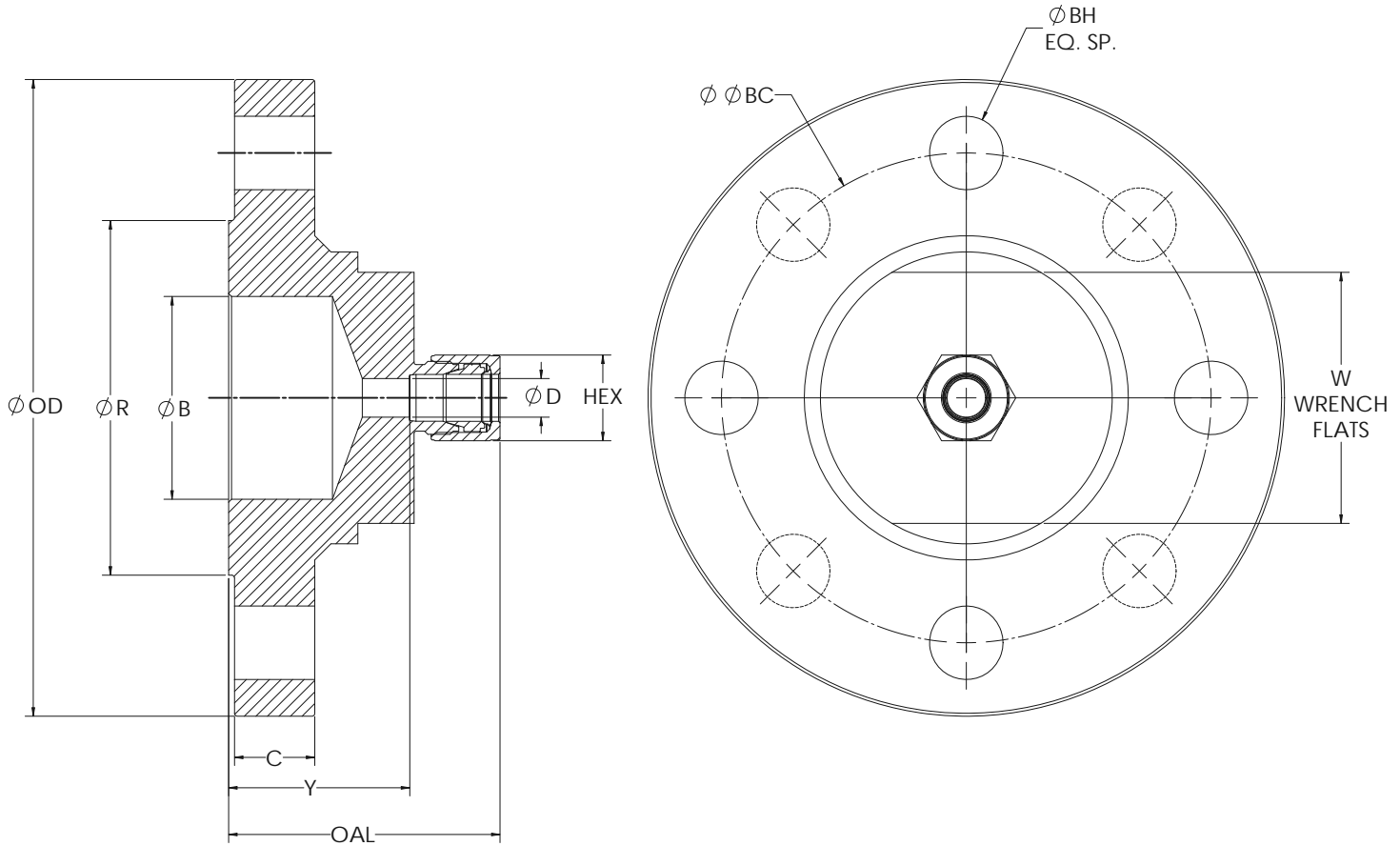
316	316 SS/316L
M	MONEL®
HC	HASTELLOY® C-276
DX3	Duplex 2205
625	INCONEL® Alloy
825	INCONEL® Alloy
D50	Super Duplex 2507
TI	Titanium
6MO	254 SMO

Nominal Flange Size NPS

8	1/2"
12	3/4"
16	1"
20	1 1/4"
24	1 1/2"
32	2"

Consult factory for sizes not included in tables.

* Refer to the GYROLOK® catalog #79002 for our full range of fitting products. See the HOKE® Tubing Data Charts #79308 for more information on tube data. Available GYROLOK® sizes vary by size, type, and class. Please see appropriate table for sizes. Consult factory for any special requests.

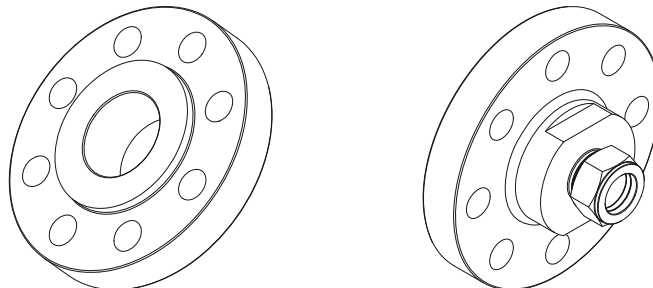


ANSI B16.5 - Type Flanges

Class 400/600 Raised Face Flange X Metric GYROLOK®

CLASS 400/600 RAISED FACE FLANGE X METRIC GYROLOK													
NPS	OD	R	B	C	BC	BH	BH QTY	W	GYROLOK SIZE (mm)	D	HEX	Y	OAL
1/2	3.75	1.38	0.62	0.57	2.62	0.625		1 1/8	6	0.156	9/16	1.74	2.37
									8	0.234	5/8	1.71	2.36
									10	0.316	3/4	1.68	2.38
									12	0.394	7/8	1.55	2.47
3/4	4.62	1.69	0.82	0.63	3.25	0.750		1 7/16	6	0.156	9/16	2.04	2.67
									8	0.234	5/8	2.01	2.66
									10	0.316	3/4	1.98	2.68
									12	0.394	7/8	1.85	2.77
									18	0.625	1 1/8	1.79	2.82
									20	0.656	1 1/4	1.67	2.85
1	4.88	2.00	1.05	0.70	3.50	0.750		1 5/8	6	0.156	9/16	2.04	2.67
									8	0.234	5/8	2.01	2.66
									10	0.316	3/4	1.98	2.68
									12	0.394	7/8	1.85	2.77
									18	0.625	1 1/8	1.79	2.82
									20	0.656	1 1/4	1.67	2.85
1 1/4	5.25	2.50	1.38	0.82	3.88	0.750		1 15/16	6	0.156	9/16	2.16	2.79
									8	0.234	5/8	2.13	2.78
									10	0.316	3/4	2.10	2.80
									12	0.394	7/8	1.97	2.89
									18	0.625	1 1/8	1.91	2.94
									20	0.656	1 1/4	1.79	2.97
1 1/2	6.12	2.88	1.61	0.89	4.50	0.875		2 1/8	6	0.156	9/16	2.43	3.06
									8	0.234	5/8	2.40	3.05
									10	0.316	3/4	2.37	3.07
									12	0.394	7/8	2.24	3.16
									18	0.625	1 1/8	2.18	3.21
									20	0.656	1 1/4	2.06	3.24
2	6.50	3.62	2.07	1.01	5.00	0.750	8	2 9/16	6	0.156	9/16	2.41	3.04
									8	0.234	5/8	2.38	3.03
									10	0.316	3/4	2.35	3.05
									12	0.394	7/8	2.22	3.14
									18	0.625	1 1/8	2.16	3.19
									20	0.656	1 1/4	2.04	3.22
									25	0.859	1 1/2	1.98	3.29

Dimensions are in inches unless otherwise noted.
 Dimensions are for reference only and are subject to change.



ANSI B16.5 - Type Flanges

Class 400/600 Raised Face Flange X Metric GYROLOK®

How to Order

[] F C R F [] [] ME-600

RAISED FACE FLANGE

GYROLOK® *Sizes**

6	6mm
8	8mm
10	10mm
12	12mm
18	18mm
20	20mm
25	25mm

Ansi B16.5 Pressure Class

For class 400 flanges up to 3.5" NPS specify class 600.

Flange Material

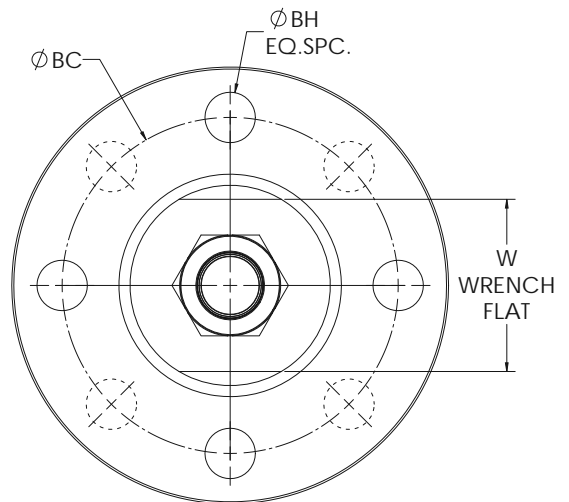
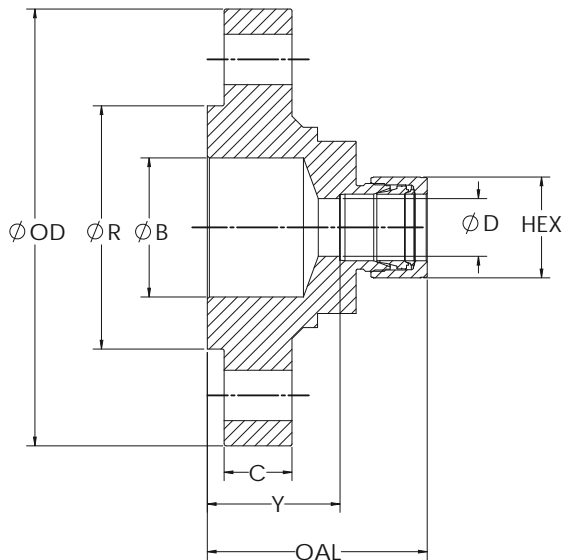
316	316 SS/316L
M	MONEL®
HC	HASTELLOY® C-276
DX3	Duplex 2205
625	INCONEL® Alloy
825	INCONEL® Alloy
D50	Super Duplex 2507
TI	Titanium
6M0	254 SMO

Nominal Flange Size NPS

8	1/2"
12	3/4"
16	1"
20	1 1/4"
24	1 1/2"
32	2"

Consult factory for sizes not included in tables.

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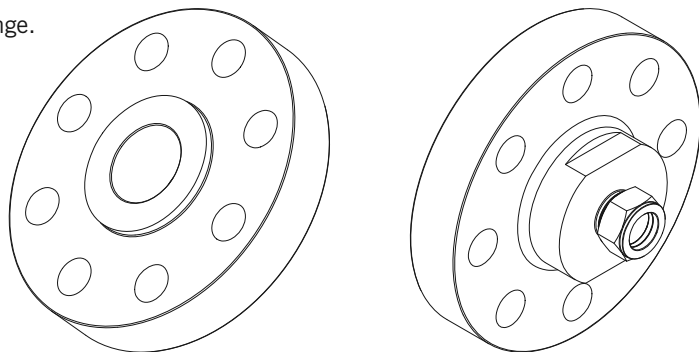


ANSI B16.5 - Type Flanges

Class 900/1500 Raised Face Flange X Metric GYROLOK®

CLASS 900/1500 RAISED FACE FLANGE X METRIC GYROLOK													
NPS	OD	R	B	C	BC	BH	BH QTY	W	GYROLOK SIZE (mm)	D	HEX	Y	OAL
1/2	4.75	1.38	0.62	0.89	3.25	0.875	4	1 1/8	6	0.156	9/16	2.43	3.06
									8	0.234	5/8	2.40	3.05
									10	0.316	3/4	2.37	3.07
									12	0.394	7/8	2.24	3.16
									18	0.625	1 1/8	2.18	3.21
3/4	5.12	1.69	0.82	1.01	3.50	0.875	4	1 5/16	6	0.156	9/16	2.51	3.14
									8	0.234	5/8	2.48	3.13
									10	0.316	3/4	2.45	3.15
									12	0.394	7/8	2.32	3.24
									18	0.625	1 1/8	2.30	3.33
									20	0.656	1 1/4	2.18	3.36
1	5.88	2.00	1.05	1.13	4.00	1.000	4	1 9/16	6	0.156	9/16	2.81	3.44
									8	0.234	5/8	2.78	3.43
									10	0.316	3/4	2.75	3.45
									12	0.394	7/8	2.62	3.54
									18	0.625	1 1/8	2.56	3.59
									20	0.656	1 1/4	2.44	3.62
1 1/4	6.25	2.50	1.38	1.13	4.38	1.000	4	1 15/16	6	0.156	9/16	2.81	3.44
									8	0.234	5/8	2.78	3.43
									10	0.316	3/4	2.75	3.45
									12	0.394	7/8	2.62	3.54
									18	0.625	1 1/8	2.56	3.59
									20	0.656	1 1/4	2.44	3.62
1 1/2	7.00	2.88	1.61	1.26	4.88	1.125	4	2 1/8	6	0.156	9/16	3.08	3.71
									8	0.234	5/8	3.05	3.70
									10	0.316	3/4	3.02	3.72
									12	0.394	7/8	2.89	3.81
									18	0.625	1 1/8	2.83	3.86
									20	0.656	1 1/4	2.71	3.89
2	8.50	3.62	2.07	1.51	6.50	1.000	8	3 3/16	6	0.156	9/16	3.19	3.82
									8	0.234	5/8	3.16	3.81
									10	0.316	3/4	3.13	3.83
									12	0.394	7/8	3.00	3.92
									18	0.625	1 1/8	2.94	3.97
									20	0.656	1 1/4	2.82	4.00
									25	0.859	1 1/2	2.76	4.07

Dimensions are in inches unless otherwise noted.
 Dimensions are for reference only and are subject to change.



ANSI B16.5 - Type Flanges

Class 900/1500 Raised Face Flange X Metric GYROLOK®

How to Order

[] **F C R F** [] [] **ME-1500**

RAISED FACE FLANGE

GYROLOK® *Sizes**

6	6mm
8	8mm
10	10mm
12	12mm
18	18mm
20	20mm
25	25mm

* Refer to the GYROLOK® catalog #79002 for our full range of fitting products. See the HOKE® Tubing Data Charts #79308 for more information on tube data. Available GYROLOK® sizes vary by size, type, and class. Please see appropriate table for sizes. Consult factory for any special requests.

Ansi B16.5 Pressure Class
For class 900 flanges up to 2.5" NPS specify class 1500.

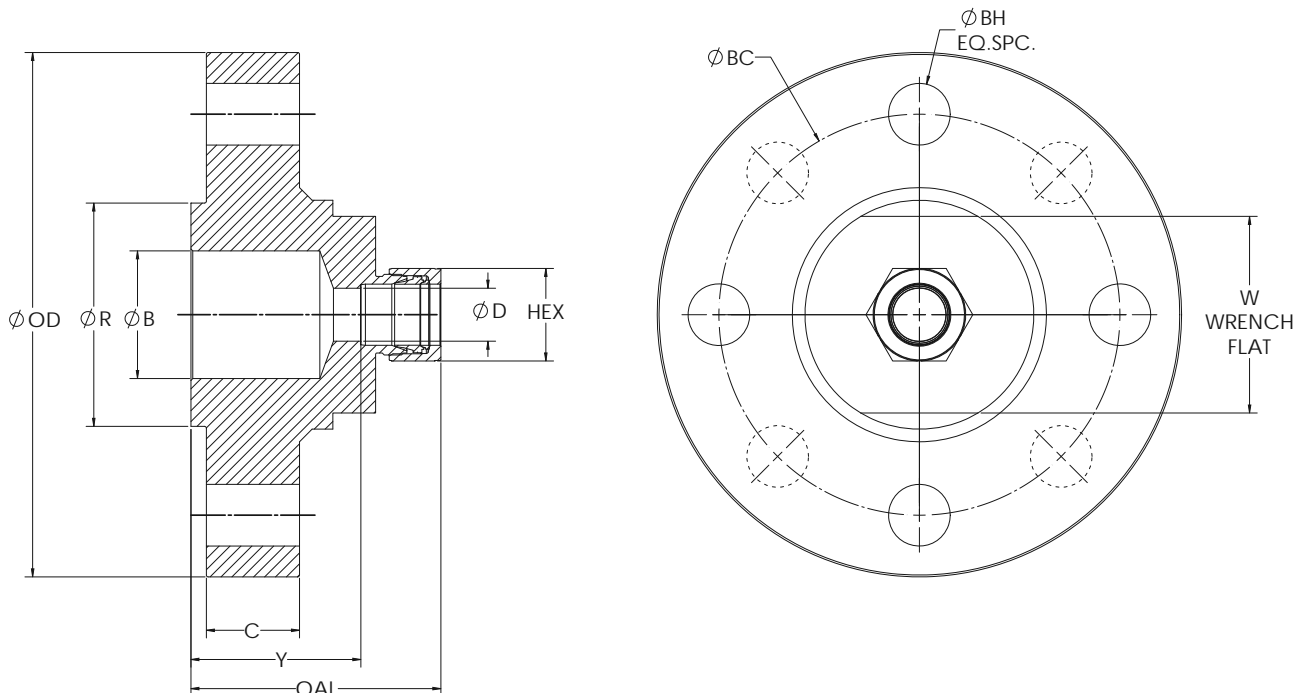
Flange Material

316	316 SS/316L
M	MONEL®
HC	HASTELLOY® C-276
DX3	Duplex 2205
625	INCONEL® Alloy
825	INCONEL® Alloy
D50	Super Duplex 2507
TI	Titanium
6MO	254 SMO

Nominal Flange Size NPS

8	1/2"
12	3/4"
16	1"
20	1 1/4"
24	1 1/2"
32	2"

Consult factory for sizes not included in tables.

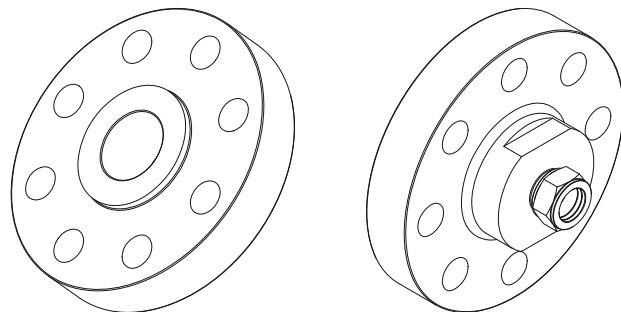


ANSI B16.5 - Type Flanges

Class 2500 Raised Face Flange X Metric GYROLOK®

CLASS 2500 RAISED FACE FLANGE X METRIC GYROLOK													
NPS	OD	R	B	C	BC	BH	BH QTY	W	GYROLOK SIZE (mm)	D	HEX	Y	OAL
1/2	5.25	1.38	0.62	1.20	3.50	0.875	4	1 5/16	6	0.156	9/16	2.68	3.31
									8	0.234	5/8	2.65	3.30
									10	0.316	3/4	2.62	3.32
									12	0.394	7/8	2.49	3.41
									18	0.625	1 1/8	2.43	3.46
									20	0.656	1 1/4	2.31	3.49
3/4	5.50	1.69	0.82	1.26	3.75	0.875	4	1 1/2	6	0.156	9/16	2.80	3.43
									8	0.234	5/8	2.77	3.42
									10	0.316	3/4	2.74	3.44
									12	0.394	7/8	2.61	3.53
									18	0.625	1 1/8	2.55	3.58
									20	0.656	1 1/4	2.43	3.61
1	6.25	2.00	1.05	1.39	4.25	1.000	4	1 3/4	6	0.156	9/16	3.06	3.69
									8	0.234	5/8	3.03	3.68
									10	0.316	3/4	3.00	3.70
									12	0.394	7/8	2.87	3.79
									18	0.625	1 1/8	2.81	3.84
									20	0.656	1 1/4	2.69	3.87
1 1/4	7.25	2.50	1.38	1.51	5.12	1.125	4	2 3/16	6	0.156	9/16	3.33	3.96
									8	0.234	5/8	3.30	3.95
									10	0.316	3/4	3.27	3.97
									12	0.394	7/8	3.14	4.06
									18	0.625	1 1/8	3.08	4.11
									20	0.656	1 1/4	2.96	4.14
1 1/2	8.00	2.88	1.61	1.76	5.75	1.250	4	2 3/8	6	0.156	9/16	3.71	4.34
									8	0.234	5/8	3.68	4.33
									10	0.316	3/4	3.65	4.35
									12	0.394	7/8	3.52	4.44
									18	0.625	1 1/8	3.46	4.49
									20	0.656	1 1/4	3.34	4.52
2	9.25	3.62	2.07	2.01	6.75	1.125	8	2 7/8	6	0.156	9/16	3.83	4.46
									8	0.234	5/8	3.80	4.45
									10	0.316	3/4	3.77	4.47
									12	0.394	7/8	3.64	4.56
									18	0.625	1 1/8	3.58	4.61
									20	0.656	1 1/4	3.46	4.64
									25	0.859	1 1/2	3.40	4.71

Dimensions are in inches unless otherwise noted.
 Dimensions are for reference only and are subject to change.



ANSI B16.5 - Type Flanges

Class 2500 Raised Face Flange X Metric GYROLOK®

How to Order

[] F C R F [] [] ME-2500

RAISED FACE FLANGE

Ansi B16.5 Pressure Class

GYROLOK® *Sizes**

6	6mm
8	8mm
10	10mm
12	12mm
18	18mm
20	20mm
25	25mm

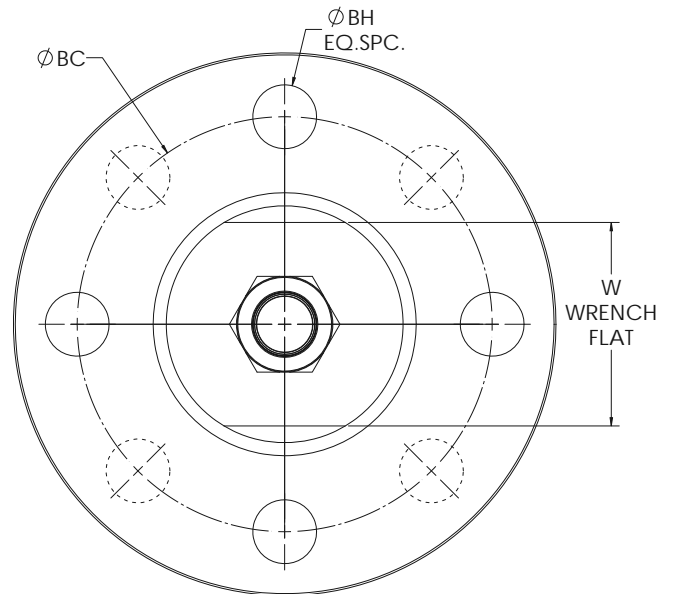
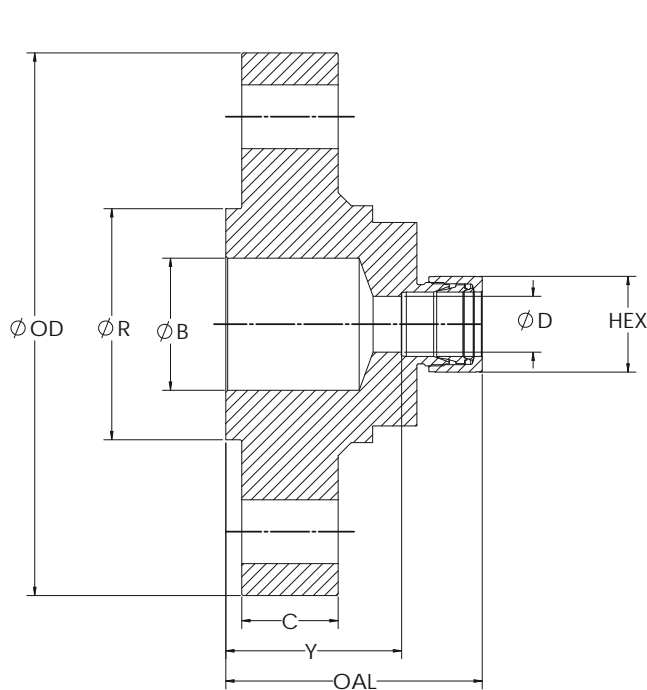
Flange Material

316	316 SS/316L
M	MONEL®
HC	HASTELLOY® C-276
DX3	Duplex 2205
625	INCONEL® Alloy
825	INCONEL® Alloy
D50	Super Duplex 2507
TI	Titanium
6MO	254 SMO

* Refer to the GYROLOK® catalog #79002 for our full range of fitting products. See the HOKE® Tubing Data Charts #79308 for more information on tube data. Available GYROLOK® sizes vary by size, type, and class. Please see appropriate table for sizes. Consult factory for any special requests.

Nominal Flange Size NPS

8	1/2"	
12	3/4"	
16	1"	Consult factory for sizes not included in tables.
20	1 1/4"	
24	1 1/2"	
32	2"	

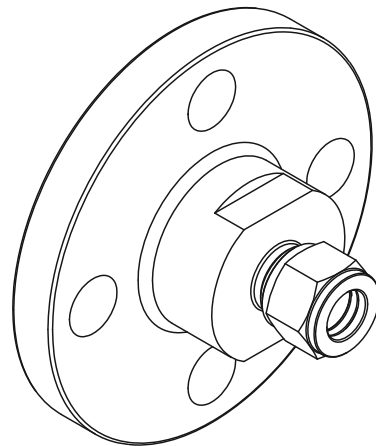
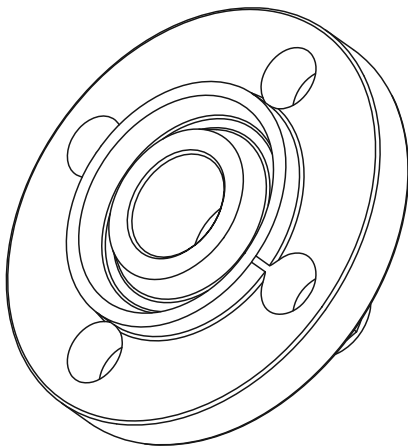


ANSI B16.5 - Type Flanges

Class 150 Ring Joint Flange X Imperial GYROLOK®

CLASS 150 RING JOINT FLANGE X IMPERIAL GYROLOK												
NPS	OD	K	B	C	BC	BH	W	GYROLOK SIZE	D	HEX	Y	OAL
1	4.25	2.50	1.05	0.51	3.12	0.625	1 1/2	1/4	0.187	9/16	1.77	2.42
								3/8	0.282	11/16	1.71	2.42
								1/2	0.422	7/8	1.59	2.54
								3/4	0.656	1 1/8	1.53	2.53
								1	0.875	1 1/2	1.35	2.61
1 1/4	4.62	2.88	1.38	0.57	3.50		1 3/4	1/4	0.187	9/16	1.89	2.54
								3/8	0.282	11/16	1.83	2.54
								1/2	0.422	7/8	1.71	2.66
								3/4	0.656	1 1/8	1.65	2.65
								1	0.875	1 1/2	1.47	2.73
1 1/2	5.00	3.25	1.61	0.63	3.88	1 15/16	1/4	0.187	9/16	1.89	2.54	
							3/8	0.282	11/16	1.83	2.54	
							1/2	0.422	7/8	1.71	2.66	
							3/4	0.656	1 1/8	1.65	2.65	
							1	0.875	1 1/2	1.47	2.73	
2	6.00	4.00	2.07	0.70	4.75	0.750	2 3/8	1/4	0.187	9/16	2.15	2.80
								3/8	0.282	11/16	2.09	2.80
								1/2	0.422	7/8	1.97	2.92
								3/4	0.656	1 1/8	1.91	2.91
								1	0.875	1 1/2	1.73	2.99

Dimensions are in inches unless otherwise noted.
 Dimensions are for reference only and are subject to change.



ANSI B16.5 - Type Flanges

Class 150 Ring Joint Flange X Imperial GYROLOK®

How to Order

[] **F** **C** **R** **J** [] [] -150

RING JOINT FLANGE

GYROLOK® Sizes*

4	1/4"
6	3/8"
8	1/2"
12	3/4"
16	1"

* Refer to the GYROLOK® catalog #79002 for our full range of fitting products. See the HOKE® Tubing Data Charts #79308 for more information on tube data. Available GYROLOK® sizes vary by size, type, and class. Please see appropriate table for sizes. Consult factory for any special requests.

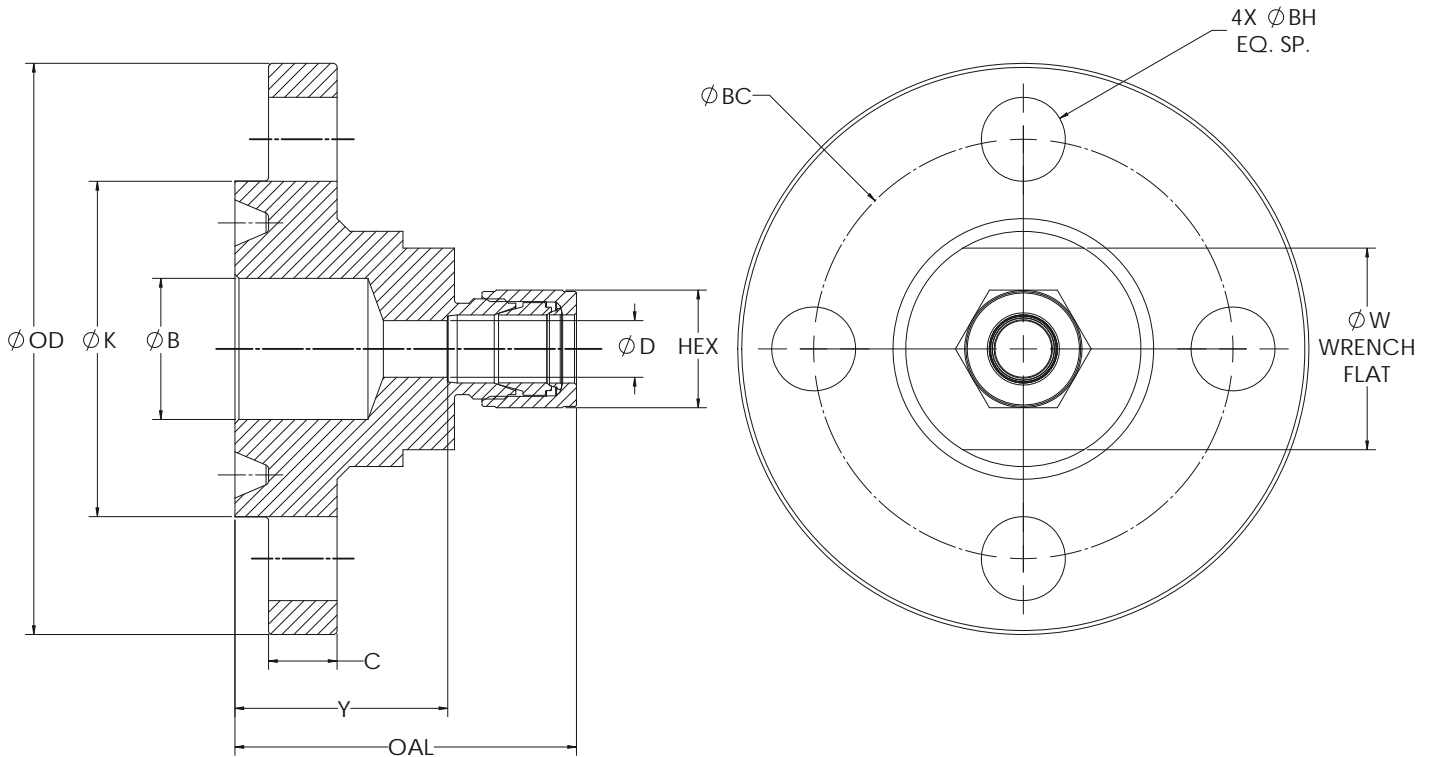
Ansi B16.5 Pressure Class

Flange Material

316	316 SS/316L
M	MONEL®
HC	HASTELLOY® C-276
DX3	Duplex 2205
625	INCONEL® Alloy
825	INCONEL® Alloy
D50	Super Duplex 2507
TI	Titanium
6MO	254 SMO

Nominal Flange Size NPS

16	1"	Consult factory for sizes not included in tables.
20	1 1/4"	
24	1 1/2"	
32	2"	



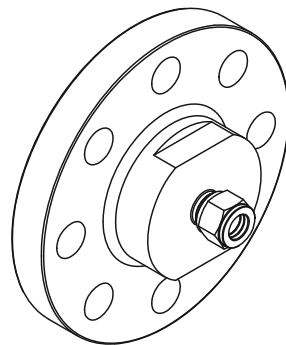
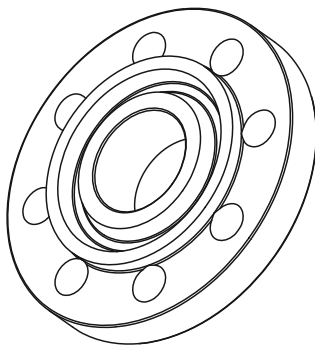
ANSI B16.5 - Type Flanges

Class 300 Ring Joint Flange X Imperial GYROLOK®

CLASS 300 RING JOINT FLANGE X IMPERIAL GYROLOK													
NPS	OD	K	B	C	BC	BH	BH QTY	W	GYROLOK SIZE	D	HEX	Y	OAL
1/2	3.75	2.00	0.62	0.51	2.62	0.625	4	1 1/8	1/4	0.187	9/16	1.77	2.42
									3/8	0.282	11/16	1.71	2.42
									1/2	0.422	7/8	1.59	2.54
									3/4	0.656	1 1/8	1.53	2.53
3/4	4.62	2.50	0.82	0.57	3.26	0.750		1 7/16	1/4	0.187	9/16	1.74	2.39
									3/8	0.282	11/16	1.68	2.39
									1/2	0.422	7/8	1.56	2.51
									3/4	0.656	1 1/8	1.50	2.50
									1	0.875	1 1/2	1.32	2.58
1	4.88	2.75	1.05	0.63	3.50	0.750		1 5/8	1/4	0.187	9/16	2.18	2.83
									3/8	0.282	11/16	2.12	2.83
									1/2	0.422	7/8	2.00	2.95
									3/4	0.656	1 1/8	1.94	2.94
									1	0.875	1 1/2	1.76	3.02
1 1/4	5.25	3.12	1.38	0.70	3.88	0.750		1 15/16	1/4	0.187	9/16	2.15	2.80
									3/8	0.282	11/16	2.09	2.80
							1/2		0.422	7/8	1.97	2.92	
							3/4		0.656	1 1/8	1.91	2.91	
							1		0.875	1 1/2	1.73	2.99	
1 1/2	6.12	3.56	1.61	0.76	4.50	0.875	2 1/8	1/4	0.187	9/16	2.29	2.94	
								3/8	0.282	11/16	2.23	2.94	
								1/2	0.422	7/8	2.11	3.06	
								3/4	0.656	1 1/8	2.05	3.05	
								1	0.875	1 1/2	1.87	3.13	
2	6.50	4.25	2.07	0.82	5.00	0.750	8	2 9/16	1/4	0.187	9/16	2.28	2.93
									3/8	0.282	11/16	2.22	2.93
									1/2	0.422	7/8	2.10	3.05
									3/4	0.656	1 1/8	2.04	3.04
									1	0.875	1 1/2	1.86	3.12

Dimensions are in inches unless otherwise noted.

Dimensions are for reference only and are subject to change.



ANSI B16.5 - Type Flanges

Class 300 Ring Joint Flange X Imperial GYROLOK®

How to Order

[] F C R J [] [] -300

RING JOINT FLANGE

GYROLOK® Sizes*

4	1/4"
6	3/8"
8	1/2"
12	3/4"
16	1"

* Refer to the GYROLOK® catalog #79002 for our full range of fitting products. See the HOKE® Tubing Data Charts #79308 for more information on tube data. Available GYROLOK® sizes vary by size, type, and class. Please see appropriate table for sizes. Consult factory for any special requests.

Ansi B16.5 Pressure Class

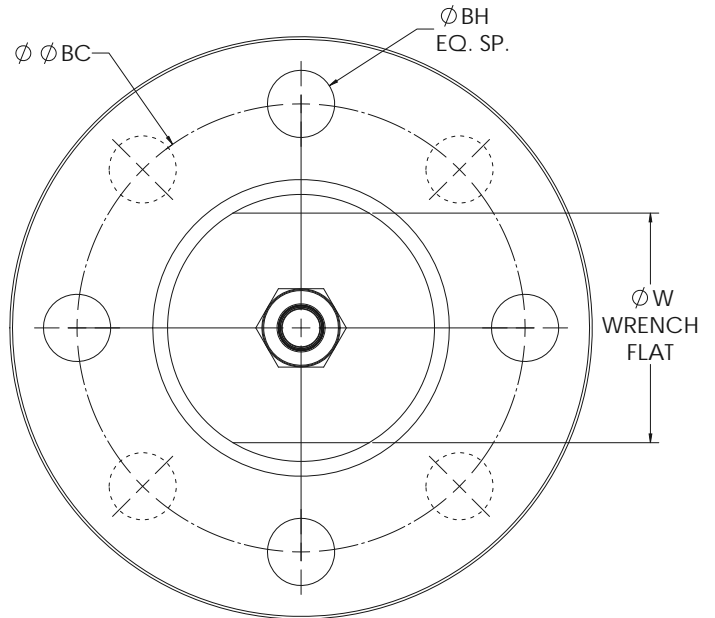
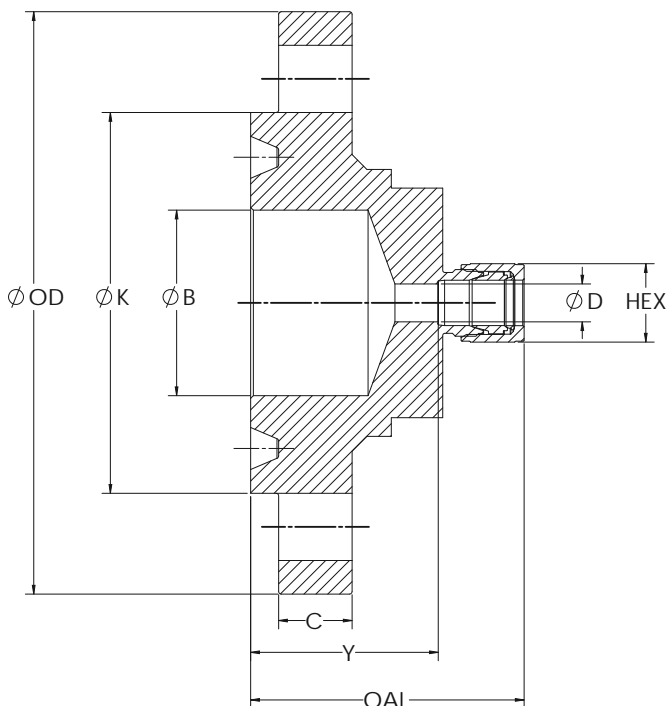
Flange Material

316	316 SS/316L
M	MONEL®
HC	HASTELLOY® C-276
DX3	Duplex 2205
625	INCONEL® Alloy
825	INCONEL® Alloy
D50	Super Duplex 2507
TI	Titanium
6MO	254 SMO

Nominal Flange Size NPS

8	1/2"
12	3/4"
16	1"
20	1 1/4"
24	1 1/2"
32	2"

Consult factory for sizes not included in tables.



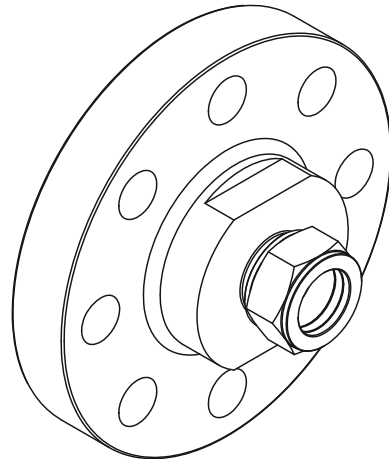
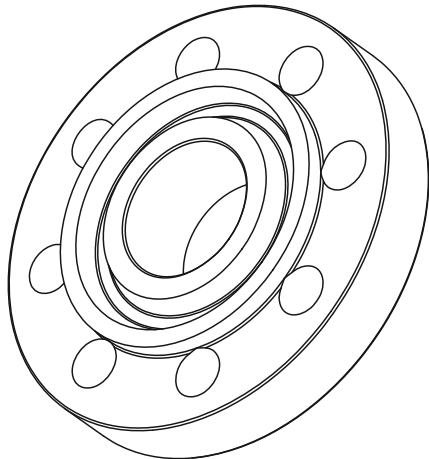
ANSI B16.5 - Type Flanges

Class 400/600 Ring Joint Flange X Imperial GYROLOK®

CLASS 400/600 RING JOINT FLANGE X IMPERIAL GYROLOK													
NPS	OD	K	B	C	BC	BH	BH QTY	W	GYROLOK SIZE	D	HEX	Y	OAL
1/2	3.75	2.00	0.62	0.57	2.62	0.625	4	1 1/8	1/4	0.187	9/16	1.77	2.42
									3/8	0.282	11/16	1.71	2.42
									1/2	0.422	7/8	1.59	2.54
									3/4	0.656	1 1/8	1.53	2.53
3/4	4.62	2.50	0.82	0.63	3.25	0.750		1 7/16	1/4	0.187	9/16	2.03	2.68
									3/8	0.282	11/16	1.97	2.68
									1/2	0.422	7/8	1.85	2.80
									3/4	0.656	1 1/8	1.79	2.79
									1	0.875	1 1/2	1.61	2.87
1	4.88	2.75	1.05	0.70	3.50	0.750		1 5/8	1/4	0.187	9/16	2.03	2.68
									3/8	0.282	11/16	1.97	2.68
									1/2	0.422	7/8	1.85	2.80
									3/4	0.656	1 1/8	1.79	2.79
									1	0.875	1 1/2	1.61	2.87
1 1/4	5.25	3.12	1.38	0.82	3.88	0.750		1 15/16	1/4	0.187	9/16	2.15	2.80
									3/8	0.282	11/16	2.09	2.80
							1/2		0.422	7/8	1.97	2.92	
							3/4		0.656	1 1/8	1.91	2.91	
							1		0.875	1 1/2	1.73	2.99	
1 1/2	6.12	3.56	1.61	0.89	4.50	0.875	2 1/8	1/4	0.187	9/16	2.42	3.07	
								3/8	0.282	11/16	2.36	3.07	
								1/2	0.422	7/8	2.24	3.19	
								3/4	0.656	1 1/8	2.18	3.18	
								1	0.875	1 1/2	2.00	3.26	
2	6.50	4.25	2.07	1.01	5.00	0.750	8	2 9/16	1/4	0.187	9/16	2.40	3.05
									3/8	0.282	11/16	2.34	3.05
									1/2	0.422	7/8	2.22	3.17
									3/4	0.656	1 1/8	2.16	3.16
									1	0.875	1 1/2	1.98	3.24

Dimensions are in inches unless otherwise noted.

Dimensions are for reference only and are subject to change.



ANSI B16.5 - Type Flanges

Class 400/600 Ring Joint Flange X Imperial GYROLOK®

How to Order

[] **F** **C** **R** **J** [] [] -600

RING JOINT FLANGE

GYROLOK® Sizes*

4	1/4"
6	3/8"
8	1/2"
12	3/4"
16	1"

* Refer to the GYROLOK® catalog #79002 for our full range of fitting products. See the HOKE® Tubing Data Charts #79308 for more information on tube data. Available GYROLOK® sizes vary by size, type, and class. Please see appropriate table for sizes. Consult factory for any special requests.

ANSI B16.5 Pressure Class

For class 400 flanges up to 3.5" NPS specify class 600.

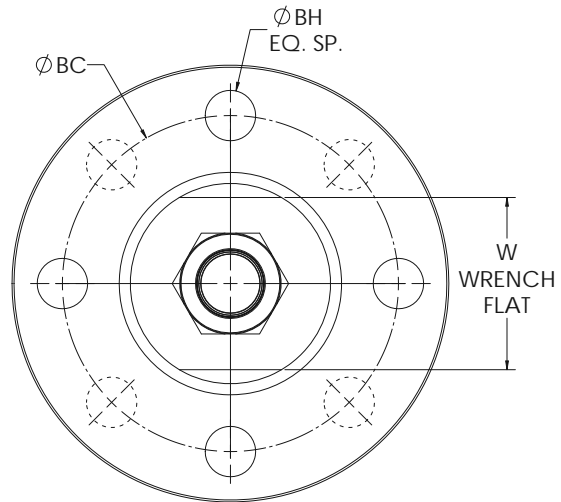
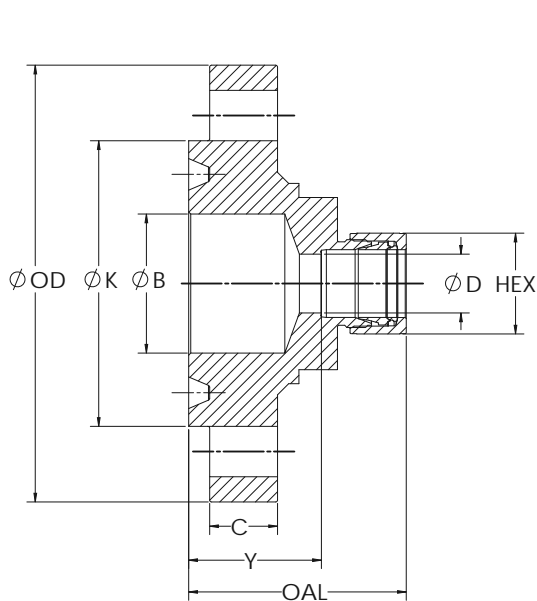
Flange Material

316	316 SS/316L
M	MONEL®
HC	HASTELLOY® C-276
DX3	Duplex 2205
625	INCONEL® Alloy
825	INCONEL® Alloy
D50	Super Duplex 2507
TI	Titanium
6MO	254 SMO

Nominal Flange Size NPS

8	1/2"
12	3/4"
16	1"
20	1 1/4"
24	1 1/2"
32	2"

Consult factory for sizes not included in tables.

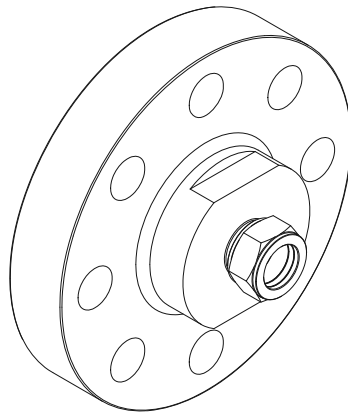
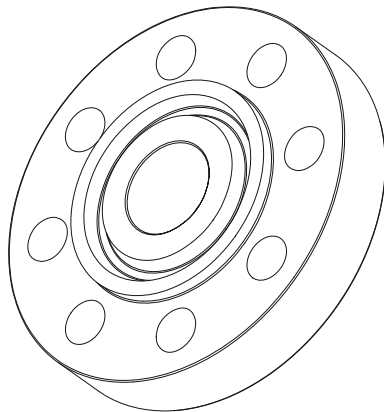


ANSI B16.5 - Type Flanges

Class 900/1500 Ring Joint Flange X Imperial GYROLOK®

CLASS 900/1500 RING JOINT FLANGE X IMPERIAL GYROLOK																
NPS	OD	K	B	C	BC	BH	BH QTY	W	GYROLOK SIZE	D	HEX	Y	OAL			
1/2	4.75	2.38	0.62	0.89	3.25	0.875	4	1 1/8	1/4	0.187	9/16	2.42	3.07			
									3/8	0.282	11/16	2.36	3.07			
									1/2	0.422	7/8	2.24	3.19			
									3/4	0.656	1 1/8	2.18	3.18			
3/4	5.12	2.62	0.82	1.01	3.50	0.875		4	1 5/16	1/4	0.187	9/16	2.54	3.19		
										3/8	0.282	11/16	2.48	3.19		
										1/2	0.422	7/8	2.36	3.31		
										3/4	0.656	1 1/8	2.30	3.30		
										1	0.875	1 1/2	2.12	3.38		
1	5.88	2.81	1.05	1.13	4.00	1.000			4	1 9/16	1/4	0.187	9/16	2.80	3.45	
											3/8	0.282	11/16	2.74	3.45	
											1/2	0.422	7/8	2.62	3.57	
											3/4	0.656	1 1/8	2.56	3.56	
											1	0.875	1 1/2	2.38	3.64	
1 1/4	6.25	3.19	1.38	1.13	4.38	1.000				4	1 15/16	1/4	0.187	9/16	2.80	3.45
												3/8	0.282	11/16	2.74	3.45
							1/2					0.422	7/8	2.62	3.57	
							3/4					0.656	1 1/8	2.56	3.56	
							1					0.875	1 1/2	2.38	3.64	
1 1/2	7.00	3.62	1.61	1.26	4.88	1.125	4				2 1/8	1/4	0.187	9/16	3.07	3.72
								3/8				0.282	11/16	3.01	3.72	
								1/2				0.422	7/8	2.89	3.84	
								3/4				0.656	1 1/8	2.83	3.83	
								1				0.875	1 1/2	2.65	3.91	
2	8.50	4.88	2.07	1.51	6.50	1.000		8			3 3/16	1/4	0.187	9/16	3.18	3.83
									3/8			0.282	11/16	3.12	3.83	
									1/2			0.422	7/8	3.00	3.95	
									3/4			0.656	1 1/8	2.94	3.94	
									1			0.875	1 1/2	2.76	4.02	

Dimensions are in inches unless otherwise noted.
 Dimensions are for reference only and are subject to change.



ANSI B16.5 - Type Flanges

Class 900/1500 Ring Joint Flange X Imperial GYROLOK®

How to Order

[] **F** **C** **R** **J** [] [] -1500

RING JOINT FLANGE

GYROLOK® Sizes*

4	1/4"
6	3/8"
8	1/2"
12	3/4"
16	1"

* Refer to the GYROLOK® catalog #79002 for our full range of fitting products. See the HOKE® Tubing Data Charts #79308 for more information on tube data. Available GYROLOK® sizes vary by size, type, and class. Please see appropriate table for sizes. Consult factory for any special requests.

Ansi B16.5 Pressure Class

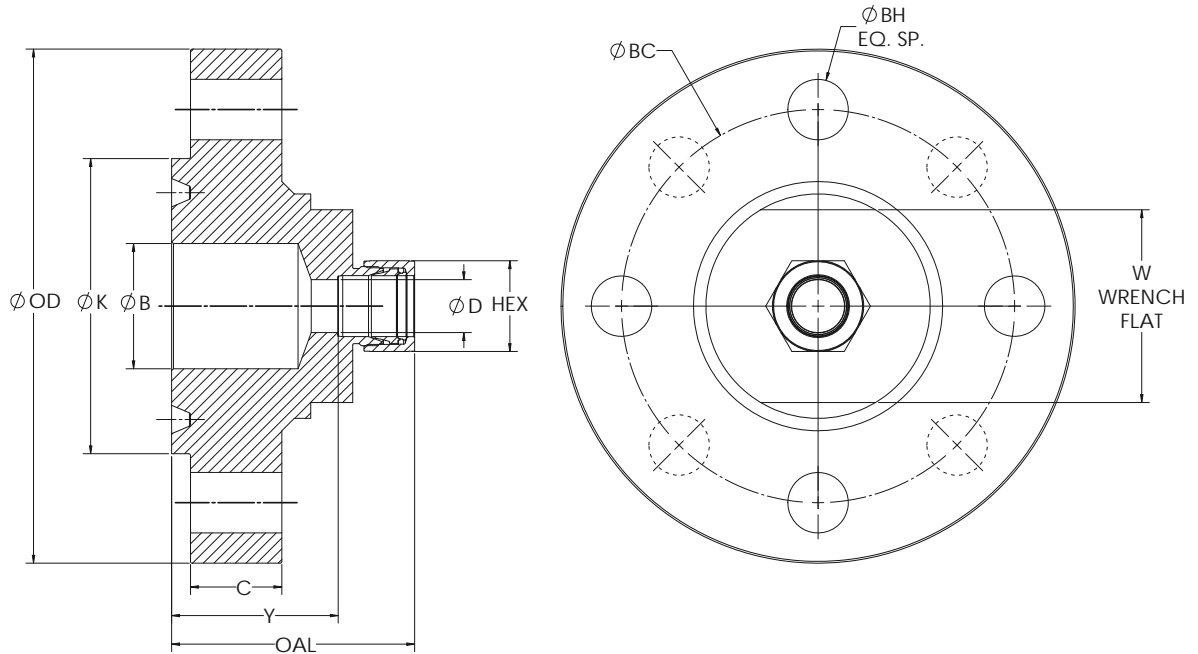
For class 900 flanges up to 2.5" NPS specify class 1500.

Flange Material

316	316 SS/316L
M	MONEL®
HC	HASTELLOY® C-276
DX3	Duplex 2205
625	INCONEL® Alloy
825	INCONEL® Alloy
D50	Super Duplex 2507
TI	Titanium
6MO	254 SMO

Nominal Flange Size NPS

8	1/2"	Consult factory for sizes not included in tables.
12	3/4"	
16	1"	
20	1 1/4"	
24	1 1/2"	
32	2"	



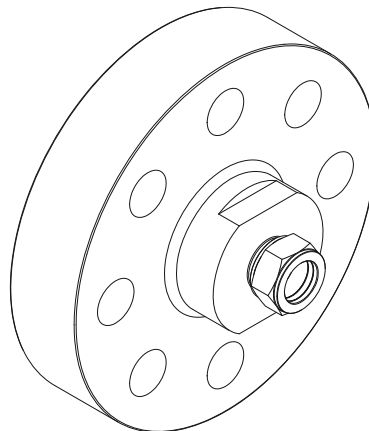
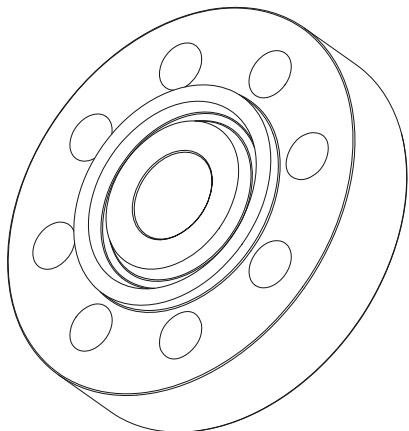
ANSI B16.5 - Type Flanges

Class 2500 Ring Joint Flange X Imperial GYROLOK®

CLASS 2500 RING JOINT FLANGE X IMPERIAL GYROLOK													
NPS	OD	K	B	C	BC	BH	BH QTY	W	GYROLOK SIZE	D	HEX	Y	OAL
1/2	5.25	2.56	0.62	1.20	3.50	0.875	4	1 5/16	1/4	0.187	9/16	2.67	3.32
									3/8	0.282	11/16	2.61	3.32
									1/2	0.422	7/8	2.49	3.44
									3/4	0.656	1 1/8	2.43	3.43
									1	0.875	1 1/2	2.25	3.51
3/4	5.50	2.88	0.82	1.26	3.75	0.875	4	1 1/2	1/4	0.187	9/16	2.79	3.44
									3/8	0.282	11/16	2.73	3.44
									1/2	0.422	7/8	2.61	3.56
									3/4	0.656	1 1/8	2.55	3.55
									1	0.875	1 1/2	2.37	3.63
1	6.25	3.25	1.05	1.39	4.25	1.000	4	1 3/4	1/4	0.187	9/16	3.05	3.70
									3/8	0.282	11/16	2.99	3.70
									1/2	0.422	7/8	2.87	3.82
									3/4	0.656	1 1/8	2.81	3.81
									1	0.875	1 1/2	2.63	3.89
1 1/4	7.25	4.00	1.38	1.51	5.12	1.125	4	2 3/16	1/4	0.187	9/16	3.32	3.97
									3/8	0.282	11/16	3.26	3.97
									1/2	0.422	7/8	3.14	4.09
									3/4	0.656	1 1/8	3.08	4.08
									1	0.875	1 1/2	2.90	4.16
1 1/2	8.00	4.50	1.61	1.76	5.75	1.250	4	2 3/8	1/4	0.187	9/16	3.70	4.35
									3/8	0.282	11/16	3.64	4.35
									1/2	0.422	7/8	3.52	4.47
									3/4	0.656	1 1/8	3.46	4.46
									1	0.875	1 1/2	3.28	4.54
2	9.25	5.25	2.07	2.01	6.75	1.125	8	2 7/8	1/4	0.187	9/16	3.82	4.47
									3/8	0.282	11/16	3.76	4.47
									1/2	0.422	7/8	3.64	4.59
									3/4	0.656	1 1/8	3.58	4.58
									1	0.875	1 1/2	3.40	4.66

Dimensions are in inches unless otherwise noted.

Dimensions are for reference only and are subject to change.



ANSI B16.5 - Type Flanges

Class 2500 Ring Joint Flange X Imperial GYROLOK®

How to Order

[] **F** **C** **R** **J** [] [] -2500

RING JOINT FLANGE

Ansi B16.5 Pressure Class

GYROLOK® Sizes*

4	1/4"
6	3/8"
8	1/2"
12	3/4"
16	1"

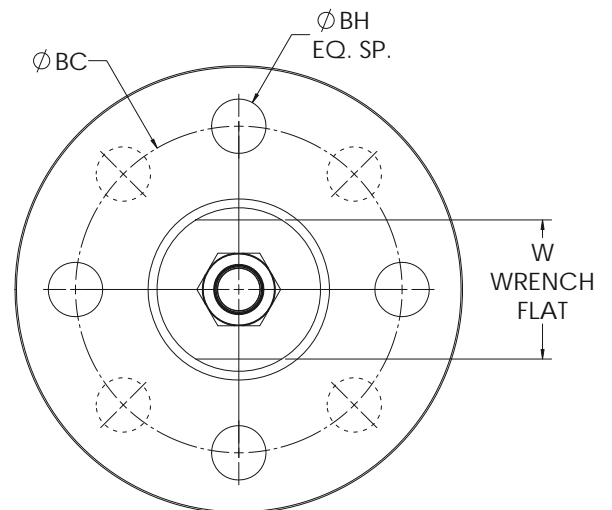
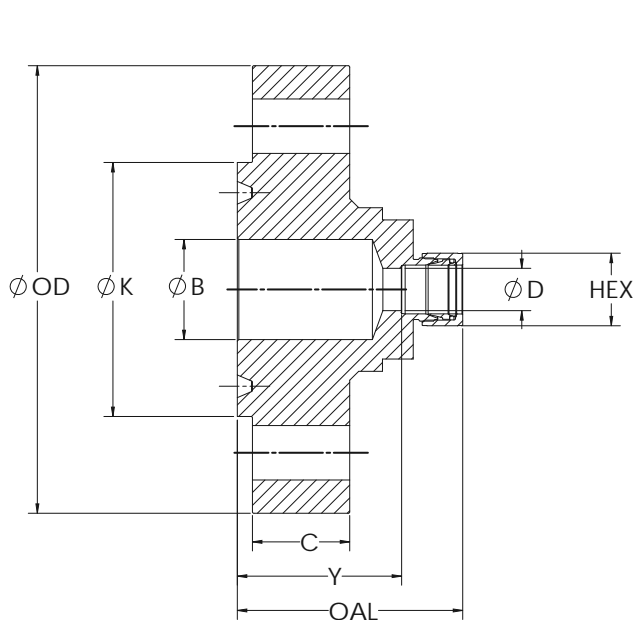
Flange Material

316	316 SS/316L
M	MONEL®
HC	HASTELLOY® C-276
DX3	Duplex 2205
625	INCONEL® Alloy
825	INCONEL® Alloy
D50	Super Duplex 2507
TI	Titanium
6MO	254 SMO

* Refer to the GYROLOK® catalog #79002 for our full range of fitting products. See the HOKE® Tubing Data Charts #79308 for more information on tube data. Available GYROLOK® sizes vary by size, type, and class. Please see appropriate table for sizes. Consult factory for any special requests.

Nominal Flange Size NPS

8	1/2"	Consult factory for sizes not included in tables.
12	3/4"	
16	1"	
20	1 1/4"	
24	1 1/2"	
32	2"	



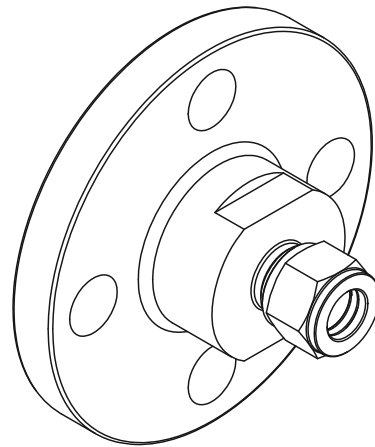
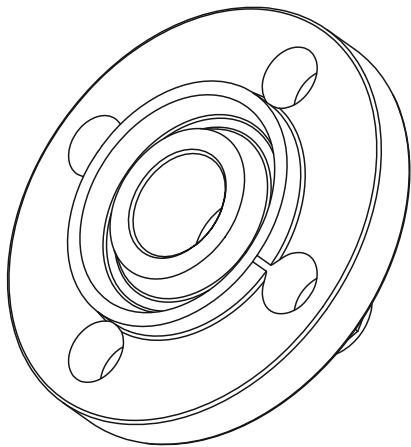
ANSI B16.5 - Type Flanges

Class 150 Ring Joint Flange X Metric GYROLOK®

CLASS 150 RING JOINT FLANGE X METRIC GYROLOK												
NPS	OD	K	B	C	BC	BH	W	GYROLOK SIZE (mm)	D	HEX	Y	OAL
1	4.25	2.50	1.05	0.51	3.12	0.625	1 1/2	6	0.156	9/16	1.78	2.41
								8	0.234	5/8	1.75	2.40
								10	0.316	3/4	1.72	2.42
								12	0.394	7/8	1.59	2.51
								18	0.625	1 1/8	1.53	2.56
								20	0.656	1 1/4	1.41	2.59
								25	0.859	1 1/2	1.35	2.66
1 1/4	4.62	2.88	1.38	0.57	3.50	0.625	1 3/4	6	0.156	9/16	1.90	2.53
								8	0.234	5/8	1.87	2.52
								10	0.316	3/4	1.84	2.54
								12	0.394	7/8	1.71	2.63
								18	0.625	1 1/8	1.65	2.68
								20	0.656	1 1/4	1.53	2.71
								25	0.859	1 1/2	1.47	2.78
1 1/2	5.00	3.25	1.61	0.63	3.88	0.625	1 15/16	6	0.156	9/16	1.90	2.53
								8	0.234	5/8	1.87	2.52
								10	0.316	3/4	1.84	2.54
								12	0.394	7/8	1.71	2.63
								18	0.625	1 1/8	1.65	2.68
								20	0.656	1 1/4	1.53	2.71
								25	0.859	1 1/2	1.47	2.78
2	6.00	4.00	2.07	0.70	4.75	0.750	2 3/8	6	0.156	9/16	2.16	2.79
								8	0.234	5/8	2.13	2.78
								10	0.316	3/4	2.10	2.80
								12	0.394	7/8	1.97	2.89
								18	0.625	1 1/8	1.91	2.94
								20	0.656	1 1/4	1.79	2.97
								25	0.859	1 1/2	1.73	3.04

Dimensions are in inches unless otherwise noted.

Dimensions are for reference only and are subject to change.



ANSI B16.5 - Type Flanges

Class 150 Ring Joint Flange X Metric GYROLOK®

How to Order

[] **F** **C** **R** **J** [] [] **ME-150**

RING JOINT FLANGE

Ansi B16.5 Pressure Class

GYROLOK® Sizes*

6	6mm
8	8mm
10	10mm
12	12mm
18	18mm
20	20mm
25	25mm

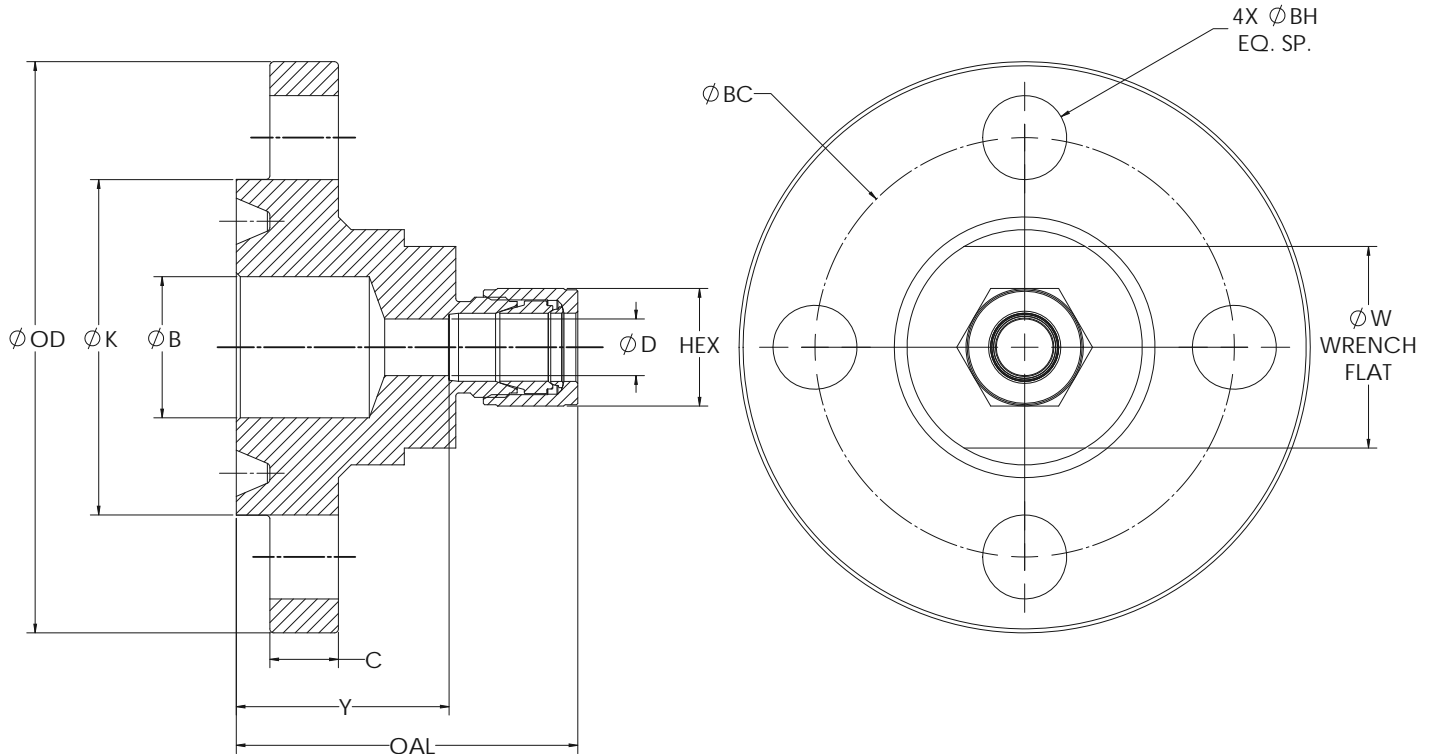
Flange Material

316	316 SS/316L
M	MONEL®
HC	HASTELLOY® C-276
DX3	Duplex 2205
625	INCONEL® Alloy
825	INCONEL® Alloy
D50	Super Duplex 2507
TI	Titanium
6MO	254 SMO

* Refer to the GYROLOK® catalog #79002 for our full range of fitting products. See the HOKE® Tubing Data Charts #79308 for more information on tube data. Available GYROLOK® sizes vary by size, type, and class. Please see appropriate table for sizes. Consult factory for any special requests.

Nominal Flange Size NPS

16	1"	
20	1 1/4"	Consult factory for sizes not included in tables.
24	1 1/2"	
32	2"	



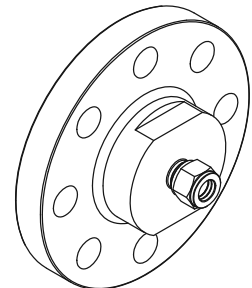
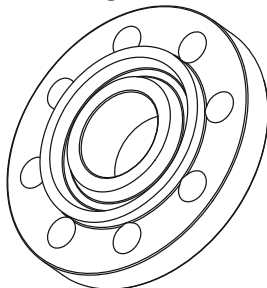
ANSI B16.5 - Type Flanges

Class 300 Ring Joint Flange X Metric GYROLOK®

CLASS 300 RING JOINT FLANGE X METRIC GYROLOK													
NPS	OD	K	B	C	BC	BH	BH QTY	W	GYROLOK SIZE (mm)	D	HEX	Y	OAL
1/2	3.75	2.00	0.62	0.51	2.62	0.625	4	1 1/8	6	0.156	9/16	1.78	2.41
									8	0.234	5/8	1.75	2.40
									10	0.316	3/4	1.72	2.42
									12	0.394	7/8	1.59	2.51
									18	0.625	1 1/8	1.53	2.56
3/4	4.62	2.50	0.82	0.57	3.25	0.750	4	1 7/16	6	0.156	9/16	2.04	2.67
									8	0.234	5/8	2.01	2.66
									10	0.316	3/4	1.98	2.68
									12	0.394	7/8	1.85	2.77
									18	0.625	1 1/8	1.79	2.82
1	4.88	2.75	1.05	0.63	3.50	0.750	4	1 5/8	6	0.156	9/16	2.04	2.67
									8	0.234	5/8	2.01	2.66
									10	0.316	3/4	1.98	2.68
									12	0.394	7/8	1.85	2.77
									18	0.625	1 1/8	1.79	2.82
1 1/4	5.25	3.12	1.38	0.70	3.88	0.750	4	1 15/16	6	0.156	9/16	2.16	2.79
									8	0.234	5/8	2.13	2.78
									10	0.316	3/4	2.10	2.80
									12	0.394	7/8	1.97	2.89
									18	0.625	1 1/8	1.91	2.94
1 1/2	6.12	3.56	1.61	0.76	4.50	0.875	4	2 1/8	6	0.156	9/16	2.30	2.93
									8	0.234	5/8	2.27	2.92
									10	0.316	3/4	2.24	2.94
									12	0.394	7/8	2.11	3.03
									18	0.625	1 1/8	2.05	3.08
2	6.50	4.25	2.07	0.82	5.00	0.750	8	2 9/16	6	0.156	9/16	2.29	2.92
									8	0.234	5/8	2.26	2.91
									10	0.316	3/4	2.23	2.93
									12	0.394	7/8	2.10	3.02
									18	0.625	1 1/8	2.04	3.07
									20	0.656	1 1/4	1.92	3.10
									25	0.859	1 1/2	1.86	3.17

Dimensions are in inches unless otherwise noted.

Dimensions are for reference only and are subject to change.



ANSI B16.5 - Type Flanges

Class 300 Ring Joint Flange X Metric GYROLOK®

How to Order

[] F C R J [] [] ME-300

RING JOINT FLANGE

Ansi B16.5 Pressure Class

GYROLOK® Sizes*

6	6mm
8	8mm
10	10mm
12	12mm
18	18mm
20	20mm
25	25mm

Flange Material

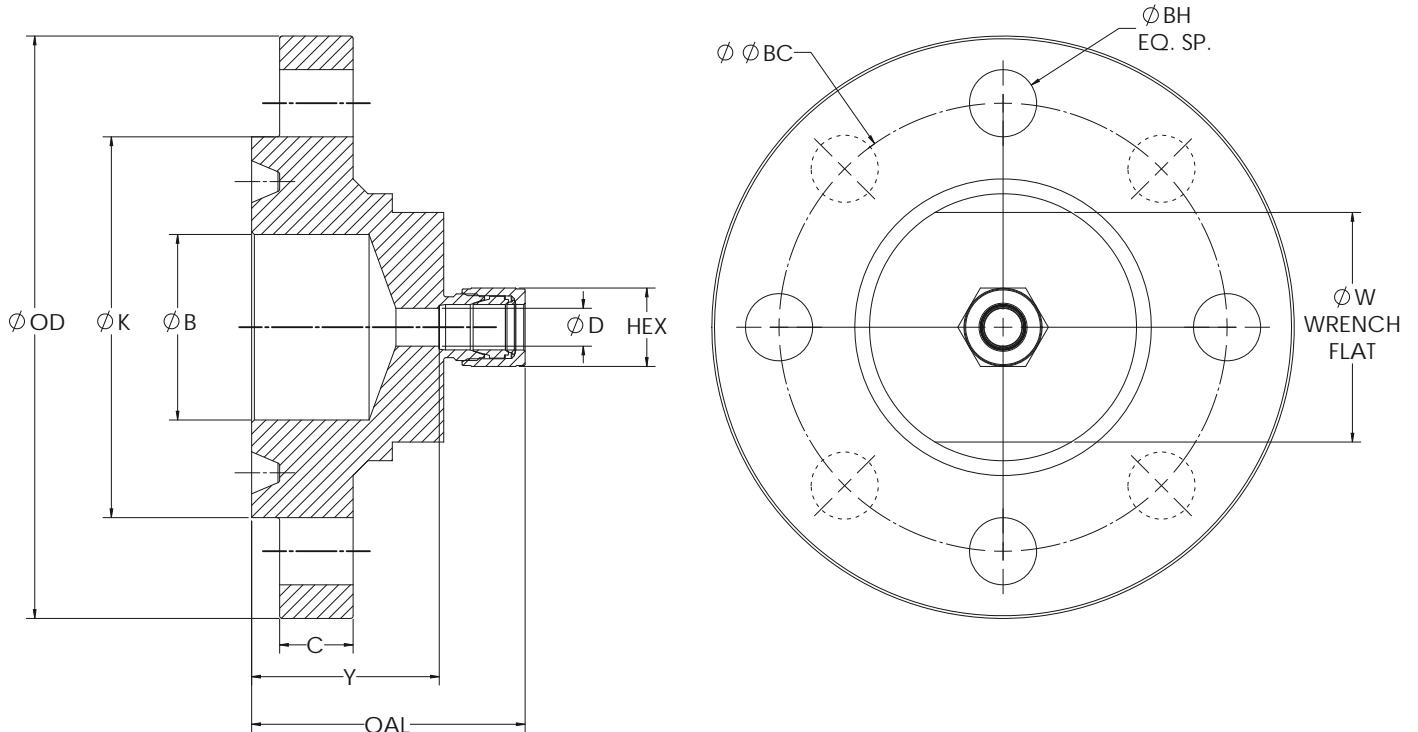
316	316 SS/316L
M	MONEL®
HC	HASTELLOY® C-276
DX3	Duplex 2205
625	INCONEL® Alloy
825	INCONEL® Alloy
D50	Super Duplex 2507
TI	Titanium
6MO	254 SMO

* Refer to the GYROLOK® catalog #79002 for our full range of fitting products. See the HOKE® Tubing Data Charts #79308 for more information on tube data. Available GYROLOK® sizes vary by size, type, and class. Please see appropriate table for sizes. Consult factory for any special requests.

Nominal Flange Size NPS

8	1/2"
12	3/4"
16	1"
20	1 1/4"
24	1 1/2"
32	2"

Consult factory for sizes not included in tables.



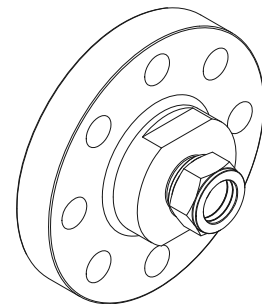
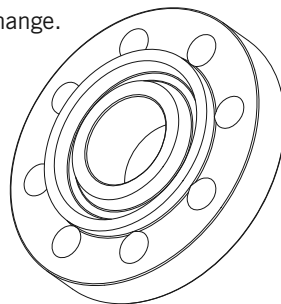
ANSI B16.5 - Type Flanges

Class 400/600 Ring Joint Flange X Metric GYROLOK®

CLASS 400/600 RING JOINT FLANGE X METRIC GYROLOK													
NPS	OD	K	B	C	BC	BH	BH QTY	W	GYROLOK SIZE (mm)	D	HEX	Y	OAL
1/2	3.75	2.00	0.62	0.57	2.62	0.625	4	1 1/8	6	0.156	9/16	1.78	2.41
									8	0.234	5/8	1.75	2.40
									10	0.316	3/4	1.72	2.42
									12	0.394	7/8	1.59	2.51
									18	0.625	1 1/8	1.53	2.56
3/4	4.62	2.50	0.82	0.63	3.25	0.750	4	1 7/16	6	0.156	9/16	2.04	2.67
									8	0.234	5/8	2.01	2.66
									10	0.316	3/4	1.98	2.68
									12	0.394	7/8	1.85	2.77
									18	0.625	1 1/8	1.79	2.82
1	4.88	2.75	1.05	0.70	3.50	0.750	4	1 5/8	6	0.156	9/16	2.04	2.67
									8	0.234	5/8	2.01	2.66
									10	0.316	3/4	1.98	2.68
									12	0.394	7/8	1.85	2.77
									18	0.625	1 1/8	1.79	2.82
1 1/4	5.25	3.12	1.38	0.82	3.88	0.750	4	1 15/16	6	0.156	9/16	2.16	2.79
									8	0.234	5/8	2.13	2.78
									10	0.316	3/4	2.10	2.80
									12	0.394	7/8	1.97	2.89
									18	0.625	1 1/8	1.91	2.94
1 1/2	6.12	3.56	1.61	0.89	4.50	0.875	4	2 1/8	6	0.156	9/16	2.81	3.44
									8	0.234	5/8	2.78	3.43
									10	0.316	3/4	2.75	3.45
									12	0.394	7/8	2.62	3.54
									18	0.625	1 1/8	2.56	3.59
2	6.50	4.25	2.07	1.01	5.00	0.750	8	2 9/16	6	0.156	9/16	2.41	3.04
									8	0.234	5/8	2.38	3.03
									10	0.316	3/4	2.35	3.05
									12	0.394	7/8	2.22	3.14
									18	0.625	1 1/8	2.16	3.19
									20	0.656	1 1/4	2.04	3.22
									25	0.859	1 1/2	1.98	3.29

Dimensions are in inches unless otherwise noted.

Dimensions are for reference only and are subject to change.



ANSI B16.5 - Type Flanges

Class 400/600 Ring Joint Flange X Metric GYROLOK®

How to Order

[] F C R J [] [] ME-600

RING JOINT FLANGE

GYROLOK® Sizes*

6	6mm
8	8mm
10	10mm
12	12mm
18	18mm
20	20mm
25	25mm

Ansi B16.5 Pressure Class
For class 400 flanges up to 3.5" NPS specify class 600.

Flange Material

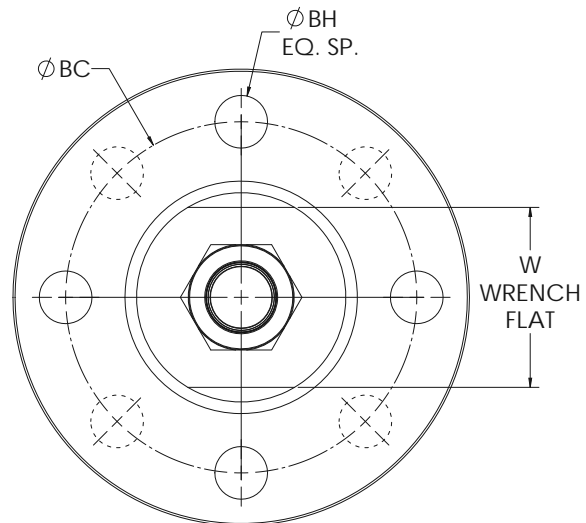
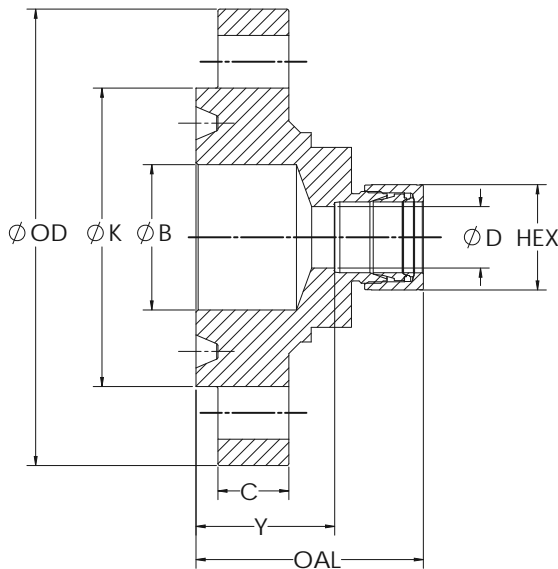
316	316 SS/316L
M	MONEL®
HC	HASTELLOY® C-276
DX3	Duplex 2205
625	INCONEL® Alloy
825	INCONEL® Alloy
D50	Super Duplex 2507
TI	Titanium
6M0	254 SMO

Nominal Flange Size NPS

8	1/2"
12	3/4"
16	1"
20	1 1/4"
24	1 1/2"
32	2"

Consult factory for sizes not included in tables.

* Refer to the GYROLOK® catalog #79002 for our full range of fitting products. See the HOKE® Tubing Data Charts #79308 for more information on tube data. Available GYROLOK® sizes vary by size, type, and class. Please see appropriate table for sizes. Consult factory for any special requests.

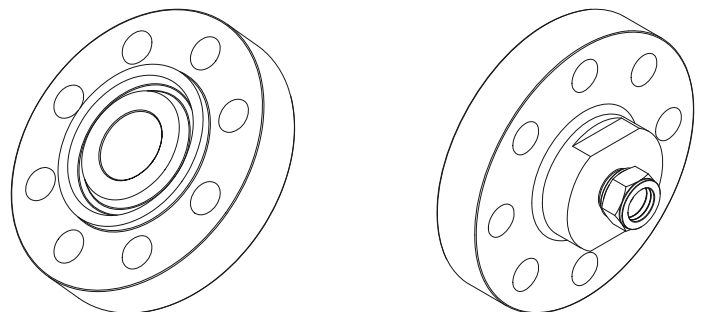


ANSI B16.5 - Type Flanges

Class 900/1500 Ring Joint Flange X Metric GYROLOK®

CLASS 900/1500 RING JOINT FLANGE X METRIC GYROLOK													
NPS	OD	K	B	C	BC	BH	BH QTY	W	GYROLOK SIZE (mm)	D	HEX	Y	OAL
1/2	4.75	2.38	0.62	0.89	3.25	0.875	4	1 1/8	6	0.156	9/16	2.43	3.06
									8	0.234	5/8	2.40	3.05
									10	0.316	3/4	2.37	3.07
									12	0.394	7/8	2.24	3.16
									18	0.625	1 1/8	2.18	3.21
3/4	5.12	2.62	0.82	1.01	3.50	0.875	4	1 3/8	6	0.156	9/16	2.55	3.18
									8	0.234	5/8	2.52	3.17
									10	0.316	3/4	2.49	3.19
									12	0.394	7/8	2.36	3.28
									18	0.625	1 1/8	2.30	3.33
1	5.88	2.81	1.05	1.13	4.00	1.000	4	1 9/16	6	0.156	9/16	2.81	3.44
									8	0.234	5/8	2.78	3.43
									10	0.316	3/4	2.75	3.45
									12	0.394	7/8	2.62	3.54
									18	0.625	1 1/8	2.56	3.59
1 1/4	6.25	3.19	1.38	1.13	4.38	1.000	4	1 15/16	6	0.156	9/16	2.81	3.44
									8	0.234	5/8	2.78	3.43
									10	0.316	3/4	2.75	3.45
									12	0.394	7/8	2.62	3.54
									18	0.625	1 1/8	2.56	3.59
1 1/2	7.00	3.62	1.61	1.26	4.88	1.125	4	2 1/8	6	0.156	9/16	3.08	3.71
									8	0.234	5/8	3.05	3.70
									10	0.316	3/4	3.02	3.72
									12	0.394	7/8	2.89	3.81
									18	0.625	1 1/8	2.83	3.86
2	8.50	4.88	2.07	1.51	6.50	1.000	8	3 3/16	6	0.156	9/16	3.19	3.82
									8	0.234	5/8	3.16	3.81
									10	0.316	3/4	3.13	3.83
									12	0.394	7/8	3.00	3.92
									18	0.625	1 1/8	2.94	3.97
									20	0.656	1 1/4	2.82	4.00
									25	0.859	1 1/2	2.76	4.07

Dimensions are in inches unless otherwise noted.
 Dimensions are for reference only and are subject to change.



ANSI B16.5 - Type Flanges

Class 900/1500 Ring Joint Flange X Metric GYROLOK®

How to Order

[] **F** **C** **R** **J** [] [] **ME-1500**

RING JOINT FLANGE

GYROLOK® Sizes*

6	6mm
8	8mm
10	10mm
12	12mm
18	18mm
20	20mm
25	25mm

* Refer to the GYROLOK® catalog #79002 for our full range of fitting products. See the HOKE® Tubing Data Charts #79308 for more information on tube data. Available GYROLOK® sizes vary by size, type, and class. Please see appropriate table for sizes. Consult factory for any special requests.

Ansi B16.5 Pressure Class
900 For class 900 flanges up to 2.5" NPS specify class 1500.

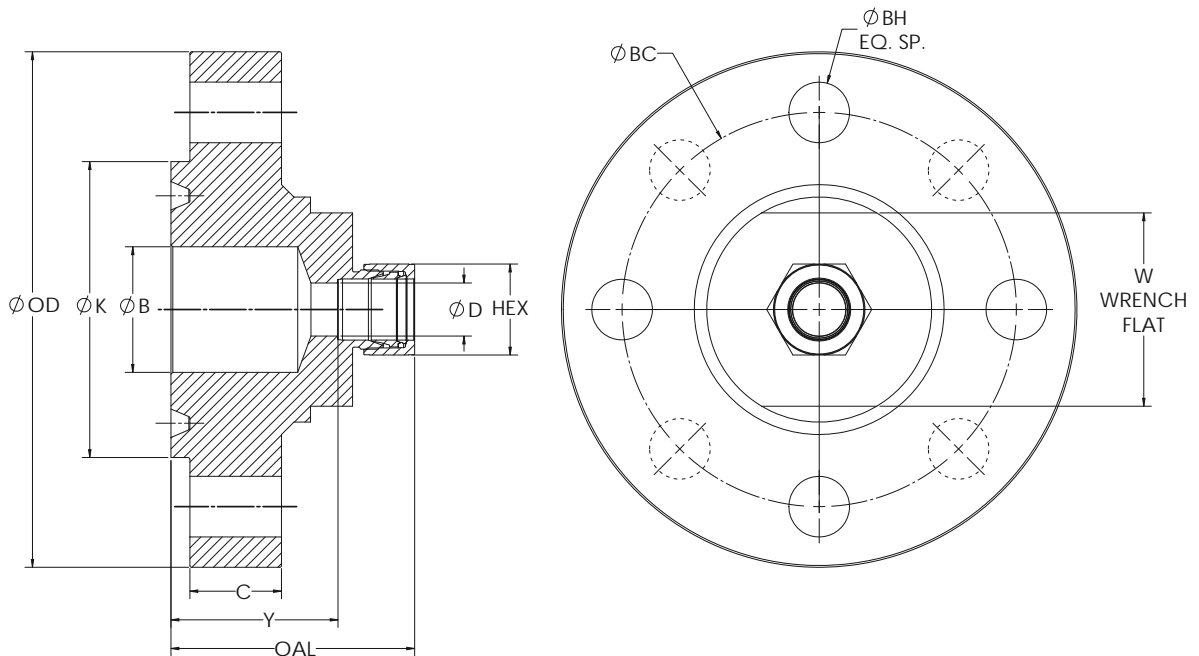
Flange Material

316	316 SS/316L
M	MONEL®
HC	HASTELLOY® C-276
DX3	Duplex 2205
625	INCONEL® Alloy
825	INCONEL® Alloy
D50	Super Duplex 2507
TI	Titanium
6MO	254 SMO

Nominal Flange Size NPS

8	1/2"
12	3/4"
16	1"
20	1 1/4"
24	1 1/2"
32	2"

Consult factory for sizes not included in tables.

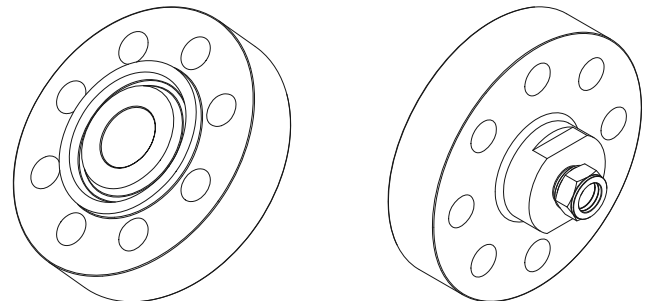


ANSI B16.5 - Type Flanges

Class 2500 Ring Joint Flange X Metric GYROLOK®

CLASS 2500 RING JOINT FLANGE X METRIC GYROLOK													
NPS	OD	K	B	C	BC	BH	BH QTY	W	GYROLOK SIZE (mm)	D	HEX	Y	OAL
1/2	5.25	2.56	0.62	1.20	3.50	0.875	4	1 5/16	6	0.156	9/16	2.68	3.31
									8	0.234	5/8	2.65	3.30
									10	0.316	3/4	2.62	3.32
									12	0.394	7/8	2.49	3.41
									18	0.625	1 1/8	2.43	3.46
									20	0.656	1 1/4	2.31	3.49
3/4	5.50	2.88	0.82	1.26	3.75	0.875	4	1 1/2	6	0.156	9/16	2.80	3.43
									8	0.234	5/8	2.77	3.42
									10	0.316	3/4	2.74	3.44
									12	0.394	7/8	2.61	3.53
									18	0.625	1 1/8	2.55	3.58
									20	0.656	1 1/4	2.43	3.61
1	6.25	3.25	1.05	1.39	4.25	1.000	4	1 3/4	6	0.156	9/16	3.06	3.69
									8	0.234	5/8	3.03	3.68
									10	0.316	3/4	3.00	3.70
									12	0.394	7/8	2.87	3.79
									18	0.625	1 1/8	2.81	3.84
									20	0.656	1 1/4	2.69	3.87
1 1/4	7.25	4.00	1.38	1.51	5.12	1.125	4	2 3/16	6	0.156	9/16	3.33	3.96
									8	0.234	5/8	3.30	3.95
									10	0.316	3/4	3.27	3.97
									12	0.394	7/8	3.14	4.06
									18	0.625	1 1/8	3.08	4.11
									20	0.656	1 1/4	2.96	4.14
1 1/2	8.00	4.50	1.61	1.76	5.75	1.250	4	2 3/8	6	0.156	9/16	3.71	4.34
									8	0.234	5/8	3.68	4.33
									10	0.316	3/4	3.65	4.35
									12	0.394	7/8	3.52	4.44
									18	0.625	1 1/8	3.46	4.49
									20	0.656	1 1/4	3.34	4.52
2	9.25	5.25	2.07	2.01	6.75	1.125	8	2 7/8	6	0.156	9/16	3.83	4.46
									8	0.234	5/8	3.80	4.45
									10	0.316	3/4	3.77	4.47
									12	0.394	7/8	3.64	4.56
									18	0.625	1 1/8	3.58	4.61
									20	0.656	1 1/4	3.46	4.64
								25	0.859	1 1/2	3.40	4.71	

Dimensions are in inches unless otherwise noted.
 Dimensions are for reference only and are subject to change.



ANSI B16.5 - Type Flanges

Class 2500 Ring Joint Flange X Metric GYROLOK®

How to Order

[] F C R J [] [] ME -2500

RING JOINT FLANGE

Ansi B16.5 Pressure Class

GYROLOK® Sizes*

6	6mm
8	8mm
10	10mm
12	12mm
18	18mm
20	20mm
25	25mm

Flange Material

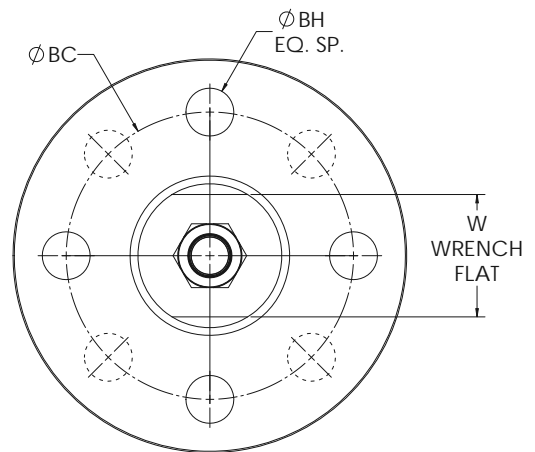
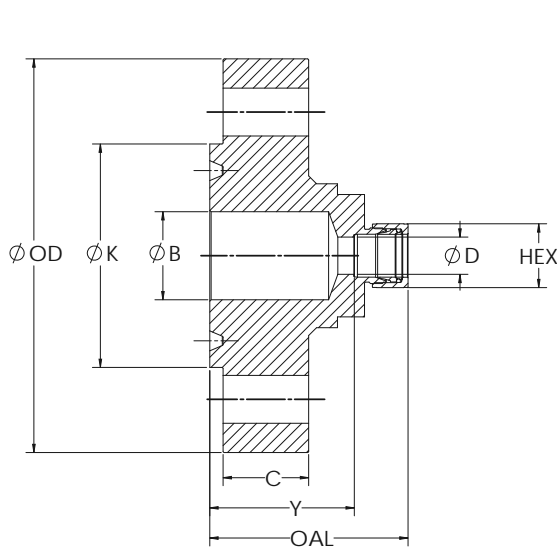
316	316 SS/316L
M	MONEL®
HC	HASTELLOY® C-276
DX3	Duplex 2205
625	INCONEL® Alloy
825	INCONEL® Alloy
D50	Super Duplex 2507
TI	Titanium
6M0	254 SMO

Nominal Flange Size NPS

8	1/2"
12	3/4"
16	1"
20	1 1/4"
24	1 1/2"
32	2"

Consult factory for sizes not included in tables.

* Refer to the GYROLOK® catalog #79002 for our full range of fitting products. See the HOKE® Tubing Data Charts #79308 for more information on tube data. Available GYROLOK® sizes vary by size, type, and class. Please see appropriate table for sizes. Consult factory for any special requests.



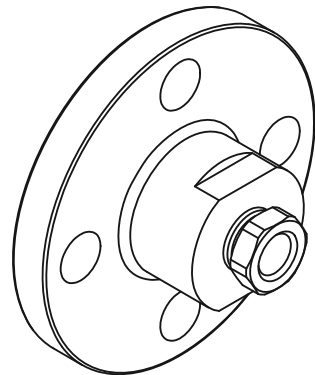
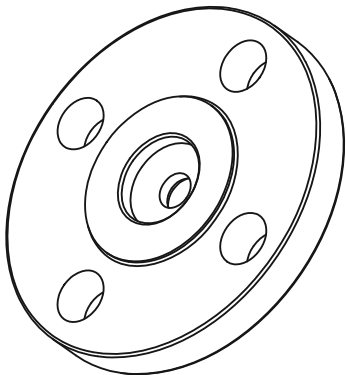
ANSI B16.5 - Type Flanges

Class 150 Raised Face Flange X Imperial Male GYROLOK®

CLASS 150 RAISED FACE FLANGE X IMPERIAL MALE GYROLOK															
NPS	OD	R	B	C	BC	BH	W	GYROLOK SIZE	D	HEX	Y	OAL			
1/2	3.50	1.38	0.62	0.39	2.38	0.625	7/8	1/4	0.187	1/2	0.45	1.57			
								3/8	0.282	5/8	0.36	1.61			
							1	1/2	0.422	7/8	0.41	2.04			
3/4	3.88	1.69	0.82	0.45	2.75		0.625	1 1/8	1/4	0.187	1/2	0.57	1.70		
									3/8	0.282	5/8	0.48	1.74		
									1/2	0.422	7/8	0.44	2.07		
1	4.25	2.00	1.05	0.51	3.12			0.625	1 1/2	1/4	0.187	1/2	0.57	1.70	
										3/8	0.282	5/8	0.48	1.74	
										1/2	0.422	7/8	0.47	2.10	
										3/4	0.656	1 1/8	0.46	2.39	
1 1/4	4.62	2.50	1.38	0.57	3.50				0.625	1 3/4	1/4	0.187	1/2	0.70	1.82
											3/8	0.282	5/8	0.61	1.86
						1/2					0.422	7/8	0.50	2.13	
						3/4					0.656	1 1/8	0.49	2.42	
						1					0.875	1 1/2	0.50	2.54	
1 1/2	5.00	2.88	1.61	0.63	3.88	0.625	1 15/16			1/4	0.187	1/2	0.70	1.82	
										3/8	0.282	5/8	0.61	1.86	
										1/2	0.422	7/8	0.53	2.16	
								3/4		0.656	1 1/8	0.52	2.45		
								1		0.875	1 1/2	0.53	2.57		
2	6.00	3.62	2.07	0.70	4.75		0.750	2 3/8		1/4	0.187	1/2	0.96	2.08	
										3/8	0.282	5/8	0.87	2.12	
									1/2	0.422	7/8	0.57	2.20		
									3/4	0.656	1 1/8	0.56	2.49		
									1	0.875	1 1/2	0.56	2.60		

Dimensions are in inches unless otherwise noted.

Dimensions are for reference only and are subject to change.



ANSI B16.5 - Type Flanges

Class 150 Raised Face Flange X Imperial Male GYROLOK®

How to Order

[] **M F C R F** [] [] **-150**

**MALE GYROLOK®
RAISED FACE FLANGE**

GYROLOK® *Sizes**

4	1/4"
6	3/8"
8	1/2"
12	3/4"
16	1"

Ansi B16.5 Pressure Class

Flange Material

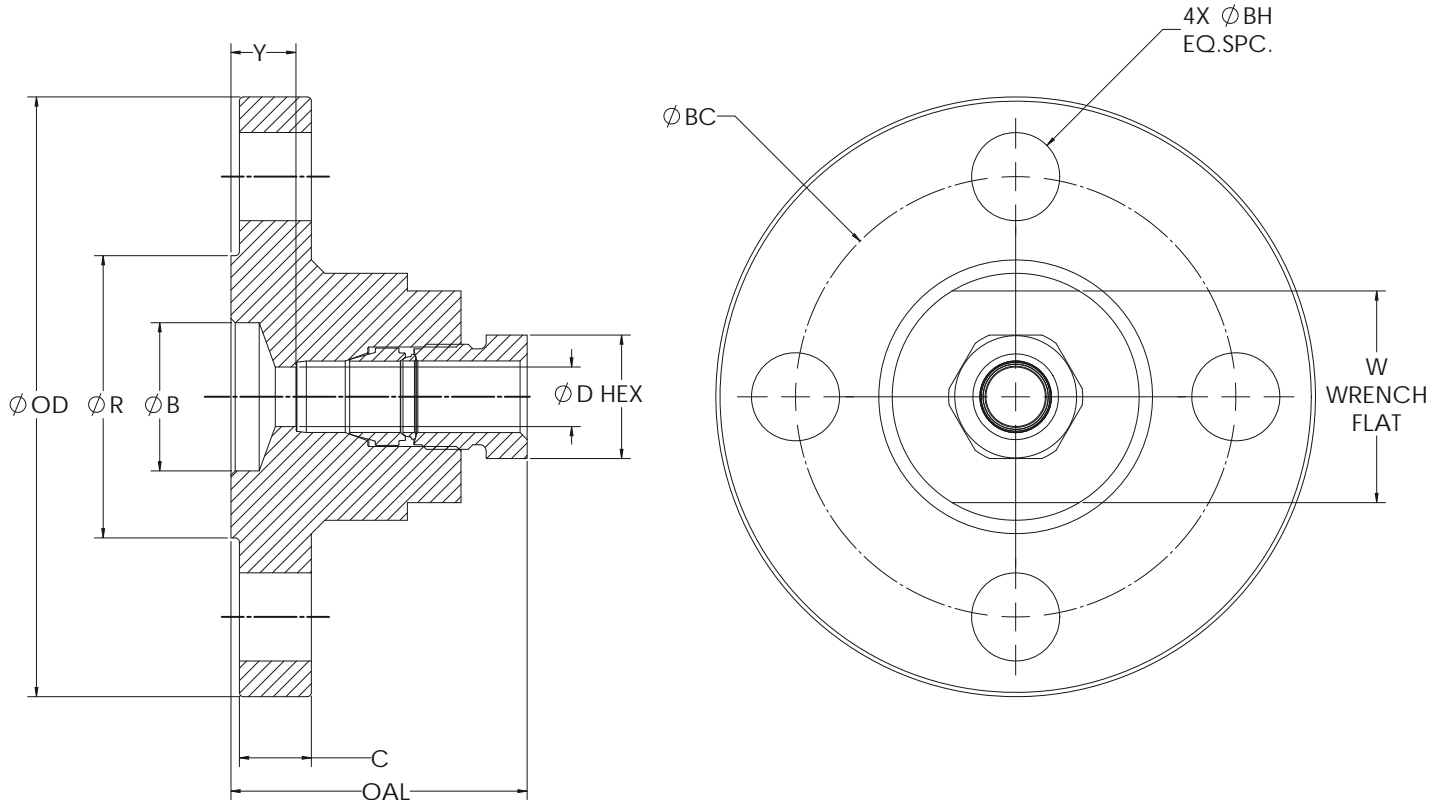
316	316 SS/316L
M	MONEL®
HC	HASTELLOY® C-276
DX3	Duplex 2205
625	INCONEL® Alloy
825	INCONEL® Alloy
D50	Super Duplex 2507
TI	Titanium
6MO	254 SMO

Nominal Flange Size NPS

8	1/2"
12	3/4"
16	1"
20	1 1/4"
24	1 1/2"
32	2"

Consult factory for sizes not included in tables.

* Refer to the GYROLOK® catalog #79002 for our full range of fitting products. See the HOKE® Tubing Data Charts #79308 for more information on tube data. Available GYROLOK® sizes vary by size, type, and class. Please see appropriate table for sizes. Consult factory for any special requests.

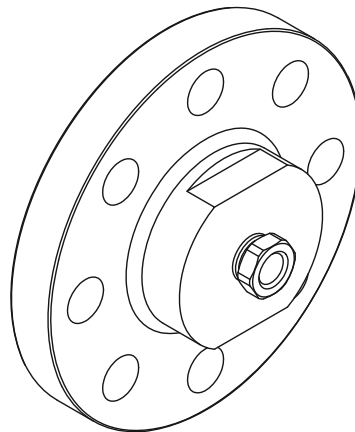
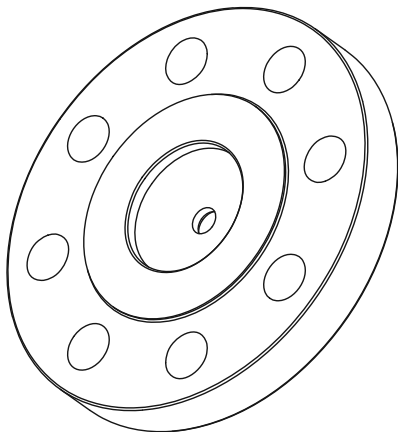


ANSI B16.5 - Type Flanges

Class 300 Raised Face Flange X Imperial Male GYROLOK®

CLASS 300 RAISED FACE FLANGE X IMPERIAL MALE GYROLOK															
NPS	OD	R	B	C	BC	BH	BH QTY	W	GYROLOK SIZE	D	HEX	Y	OAL		
1/2	3.75	1.38	0.62	0.51	2.62	0.625	4	1 1/8	1/4	0.187	1/2	0.57	1.70		
									3/8	0.282	5/8	0.48	1.74		
									1/2	0.422	7/8	0.47	2.10		
3/4	4.62	1.69	0.82	0.57	3.25	0.750		4	1 7/16	1/4	0.187	1/2	0.83	1.96	
										3/8	0.282	5/8	0.75	2.00	
										1/2	0.422	7/8	0.50	2.13	
										3/4	0.656	1 1/8	0.49	2.42	
1	4.88	2.00	1.05	0.63	3.50	0.750			4	1 5/8	1/4	0.187	1/2	0.83	1.96
											3/8	0.282	5/8	0.75	2.00
											1/2	0.422	7/8	0.53	2.16
											3/4	0.656	1 1/8	0.52	2.45
1 1/4	5.25	2.50	1.38	0.70	3.88	0.750				4	1 15/16	1/4	0.187	1/2	0.96
							3/8					0.282	5/8	0.87	2.12
							1/2					0.422	7/8	0.57	2.20
							3/4					0.656	1 1/8	0.56	2.49
							1	0.875				1 1/2	0.56	2.60	
1 1/2	6.12	2.88	1.61	0.76	4.50	0.875	4	2 1/8			1/4	0.187	1/2	1.10	2.22
											3/8	0.282	5/8	1.01	2.26
											1/2	0.422	7/8	0.67	2.31
									3/4		0.656	1 1/8	0.61	2.55	
									1		0.875	1 1/2	0.59	2.63	
2	6.50	3.62	2.07	0.82	5.00	0.750		8	2 9/16		1/4	0.187	1/2	1.08	2.21
											3/8	0.282	5/8	1.00	2.25
										1/2	0.422	7/8	0.66	2.29	
										3/4	0.656	1 1/8	0.62	2.55	
										1	0.875	1 1/2	0.62	2.66	

Dimensions are in inches unless otherwise noted.
 Dimensions are for reference only and are subject to change.



ANSI B16.5 - Type Flanges

Class 300 Raised Face Flange X Imperial Male GYROLOK®

How to Order

[] **M F C R F** [] [] **-300**

MALE GYROLOK® RAISED FACE FLANGE

GYROLOK® Sizes*

4	1/4"
6	3/8"
8	1/2"
12	3/4"
16	1"

Ansi B16.5 Pressure Class

Flange Material

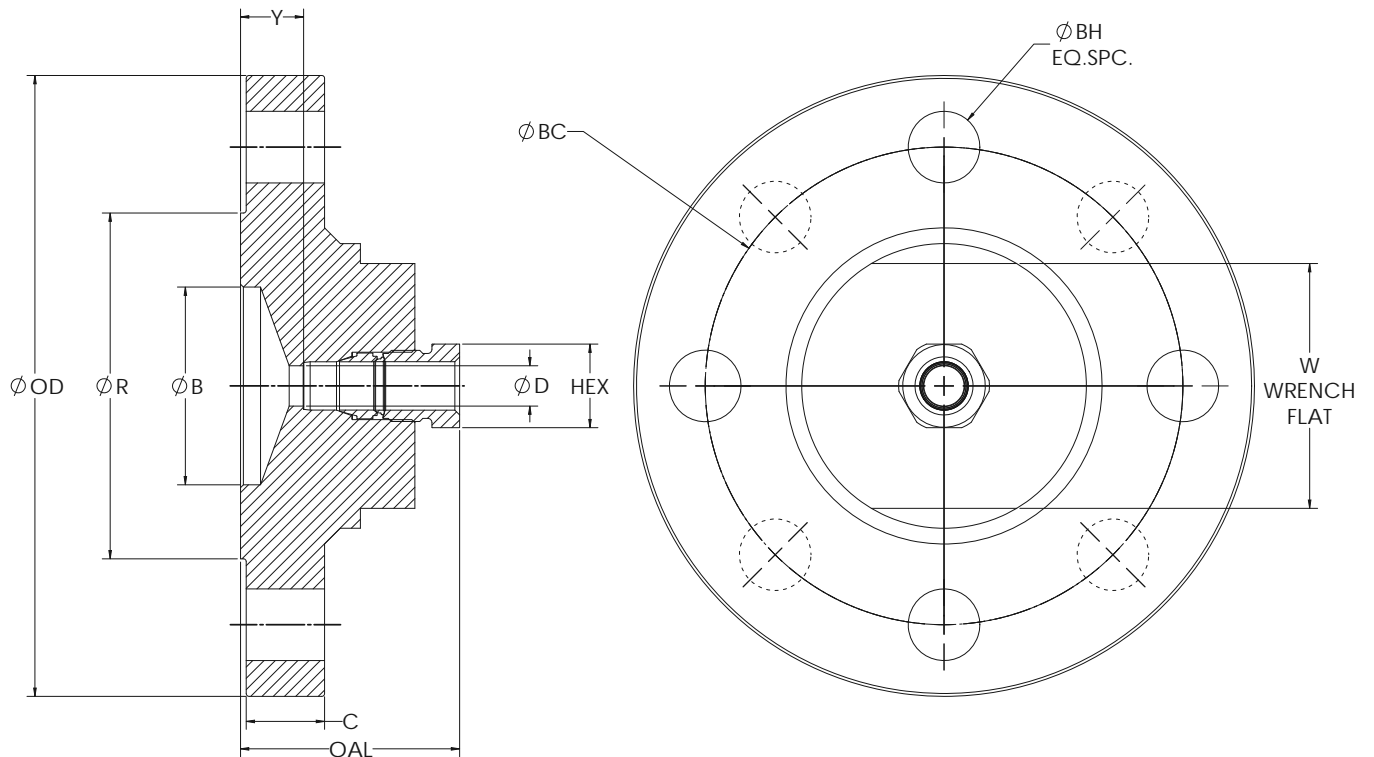
316	316 SS/316L
M	MONEL®
HC	HASTELLOY® C-276
DX3	Duplex 2205
625	INCONEL® Alloy
825	INCONEL® Alloy
D50	Super Duplex 2507
TI	Titanium
6MO	254 SMO

Nominal Flange Size NPS

8	1/2"
12	3/4"
16	1"
20	1 1/4"
24	1 1/2"
32	2"

Consult factory for sizes not included in tables.

* Refer to the GYROLOK® catalog #79002 for our full range of fitting products. See the HOKE® Tubing Data Charts #79308 for more information on tube data. Available GYROLOK® sizes vary by size, type, and class. Please see appropriate table for sizes. Consult factory for any special requests.

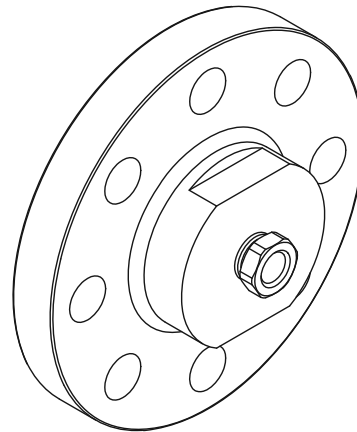
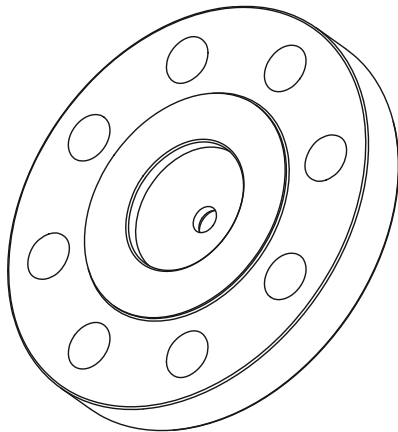


ANSI B16.5 - Type Flanges

Class 400/600 Raised Face Flange X Imperial Male GYROLOK®

CLASS 400/600 RAISED FACE FLANGE X IMPERIAL MALE GYROLOK																
NPS	OD	R	B	C	BC	BH	BH QTT	W	GYROLOK SIZE	D	HEX	Y	OAL			
1/2	3.75	1.38	0.62	0.57	2.62	0.625	4	1 1/8	1/4	0.187	1/2	0.82	1.95			
									3/8	0.282	5/8	0.73	1.99			
									1/2	0.422	7/8	0.69	2.32			
3/4	4.62	1.69	0.82	0.63	3.25	0.750		4	1 7/16	1/4	0.187	1/2	1.08	2.21		
										3/8	0.282	5/8	1.00	2.25		
										1/2	0.422	7/8	0.72	2.35		
										3/4	0.656	1 1/8	0.71	2.64		
1	4.88	2.00	1.05	0.70	3.50	0.750			4	1 5/8	1/4	0.187	1/2	1.08	2.21	
											3/8	0.282	5/8	1.00	2.25	
											1/2	0.422	7/8	0.76	2.39	
											3/4	0.656	1 1/8	0.75	2.68	
1 1/4	5.25	2.50	1.38	0.82	3.88	0.750				4	1 15/16	1/4	0.187	1/2	1.21	2.33
												3/8	0.282	5/8	1.12	2.37
												1/2	0.422	7/8	0.82	2.45
												3/4	0.656	1 1/8	0.81	2.74
							1					0.875	1 1/2	0.81	2.85	
1 1/2	6.12	2.88	1.61	0.89	4.50	0.875	4				2 1/8	1/4	0.187	1/2	1.47	2.60
												3/8	0.282	5/8	1.38	2.64
								1/2				0.422	7/8	1.05	2.68	
								3/4				0.656	1 1/8	0.99	2.92	
								1				0.875	1 1/2	0.85	2.89	
2	6.50	3.62	2.07	1.01	5.00	0.750		8			2 9/16	1/4	0.187	1/2	1.46	2.58
									3/8			0.282	5/8	1.37	2.62	
									1/2			0.422	7/8	1.04	2.67	
									3/4			0.656	1 1/8	0.98	2.91	
									1			0.875	1 1/2	0.91	2.95	

Dimensions are in inches unless otherwise noted.
 Dimensions are for reference only and are subject to change.



ANSI B16.5 - Type Flanges

Class 400/600 Raised Face Flange X Imperial Male GYROLOK®

How to Order

[] **M F C R F** [] [] **-600**

MALE GYROLOK® RAISED FACE FLANGE

Ansi B16.5 Pressure Class

For class 400 flanges up to 3.5" NPS specify class 600.

Flange Material

316	316 SS/316L
M	MONEL®
HC	HASTELLOY® C-276
DX3	Duplex 2205
625	INCONEL® Alloy
825	INCONEL® Alloy
D50	Super Duplex 2507
TI	Titanium
6MO	254 SMO

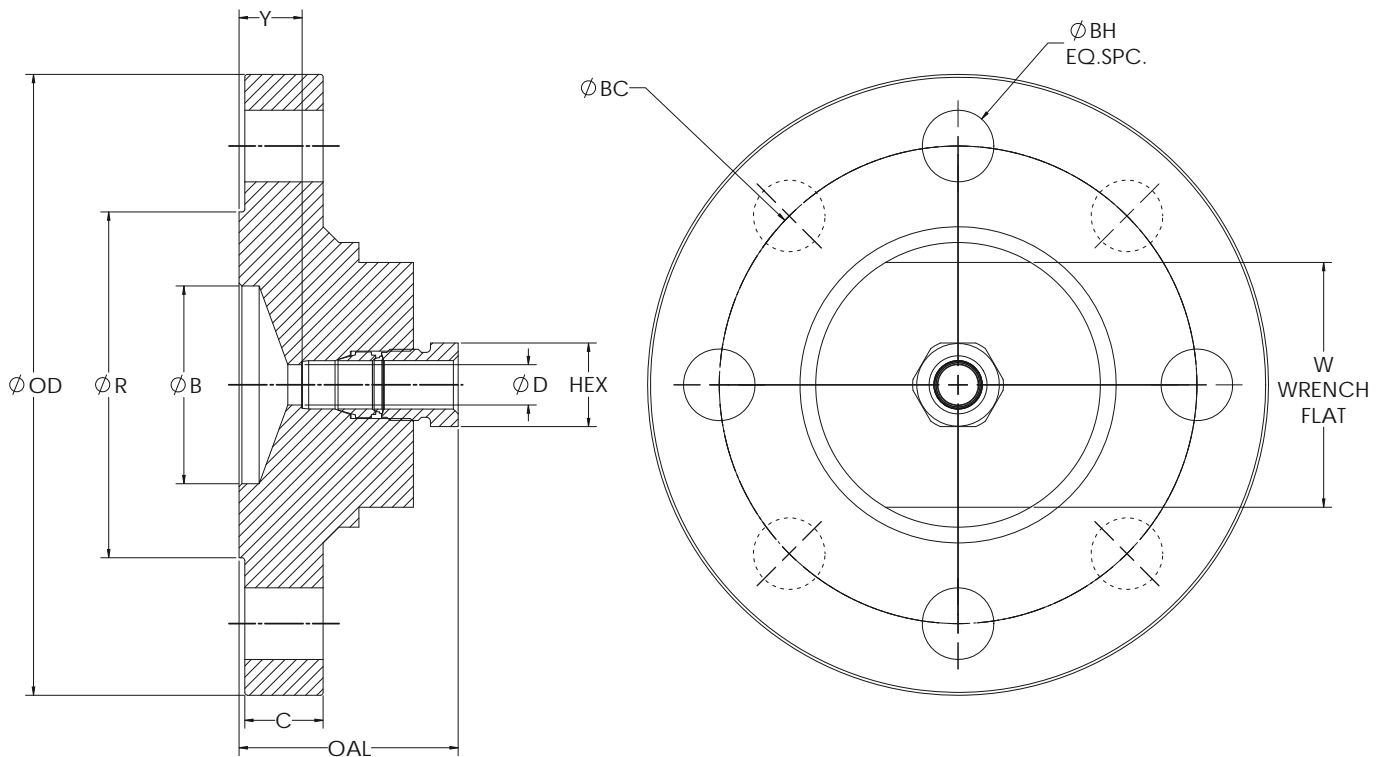
GYROLOK® Sizes*

4	1/4"
6	3/8"
8	1/2"
12	3/4"
16	1"

Nominal Flange Size NPS

8	1/2"	
12	3/4"	Consult factory for sizes not included in tables.
16	1"	
20	1 1/4"	
24	1 1/2"	
32	2"	

* Refer to the GYROLOK® catalog #79002 for our full range of fitting products. See the HOKE® Tubing Data Charts #79308 for more information on tube data. Available GYROLOK® sizes vary by size, type, and class. Please see appropriate table for sizes. Consult factory for any special requests.

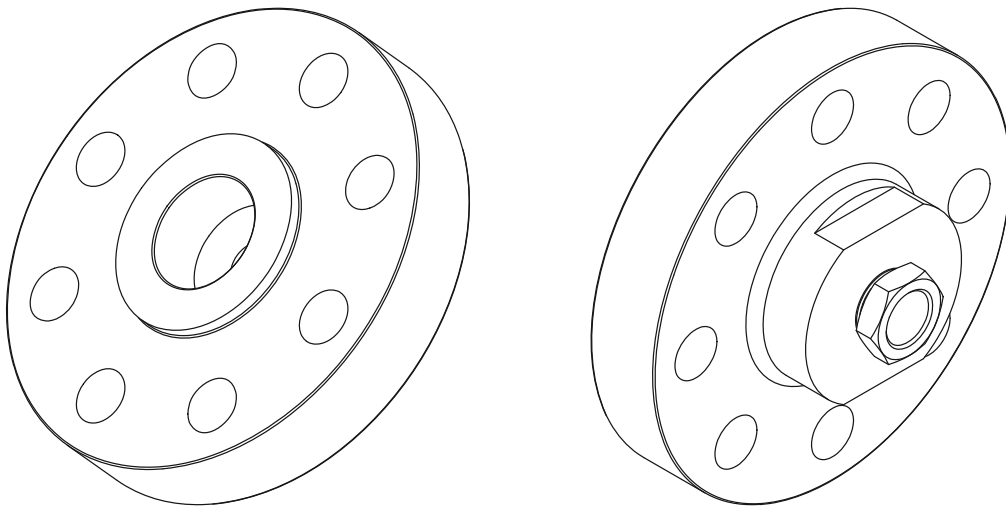


ANSI B16.5 - Type Flanges

Class 900/1500 Raised Face Flange X Imperial Male GYROLOK®

CLASS 900/1500 RAISED FACE FLANGE X IMPERIAL MALE GYROLOK															
NPS	OD	R	B	C	BC	BH	BH QTY	W	GYROLOK SIZE	D	HEX	Y	OAL		
1/2	4.75	1.38	0.62	0.89	3.25	0.875	4	1 1/8	1/4	0.187	1/2	1.47	2.60		
									3/8	0.282	5/8	1.38	2.64		
									1/2	0.422	7/8	1.05	2.68		
3/4	5.12	1.69	0.82	1.01	3.50	0.875		4	1 5/16	1/4	0.187	1/2	1.60	2.72	
										3/8	0.282	5/8	1.51	2.76	
										1/2	0.422	7/8	1.17	2.81	
										3/4	0.656	1 1/8	1.11	3.05	
1	5.88	2.00	1.05	1.13	4.00	1.000			4	1 9/16	1/4	0.187	1/2	1.86	2.98
											3/8	0.282	5/8	1.77	3.02
											1/2	0.422	7/8	1.44	3.07
											3/4	0.656	1 1/8	1.38	3.31
1 1/4	6.25	2.50	1.38	1.13	4.38	1.000				4	1 15/16	1/4	0.187	1/2	1.86
							3/8					0.282	5/8	1.77	3.02
							1/2					0.422	7/8	1.44	3.07
							3/4					0.656	1 1/8	1.38	3.31
							1	0.875				1 1/2	1.18	3.22	
1 1/2	7.00	2.88	1.61	1.26	4.88	1.125	4	2 1/8			1/4	0.187	1/2	2.12	3.25
											3/8	0.282	5/8	2.03	3.29
											1/2	0.422	7/8	1.70	3.33
									3/4		0.656	1 1/8	1.64	3.57	
									1		0.875	1 1/2	1.44	3.48	
2	8.50	3.62	2.07	1.51	6.50	1.000		8	3 3/16		1/4	0.187	1/2	2.23	3.36
											3/8	0.282	5/8	2.15	3.40
										1/2	0.422	7/8	1.81	3.44	
										3/4	0.656	1 1/8	1.75	3.68	
										1	0.875	1 1/2	1.55	3.60	

Dimensions are in inches unless otherwise noted.
 Dimensions are for reference only and are subject to change.



ANSI B16.5 - Type Flanges

Class 900/1500 Raised Face Flange X Imperial Male GYROLOK®

How to Order

[] **M F C R F** [] [] **-1500**

MALE GYROLOK® RAISED FACE FLANGE

GYROLOK® Sizes*

4	1/4"
6	3/8"
8	1/2"
12	3/4"
16	1"

Ansi B16.5 Pressure Class

For class 900 flanges up to 2.5" NPS specify class 1500.

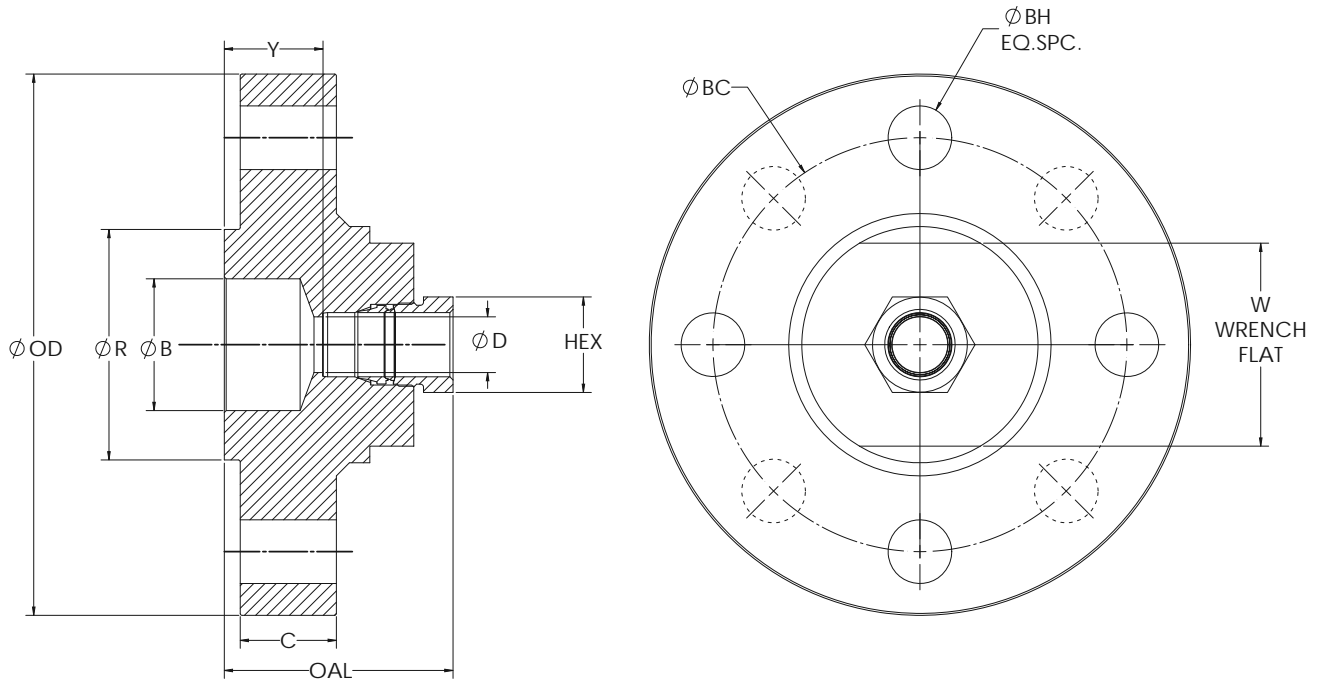
Flange Material

316	316 SS/316L
M	MONEL®
HC	HASTELLOY® C-276
DX3	Duplex 2205
625	INCONEL® Alloy
825	INCONEL® Alloy
D50	Super Duplex 2507
TI	Titanium
6MO	254 SMO

Nominal Flange Size NPS

8	1/2"	
12	3/4"	Consult factory for sizes not included in tables.
16	1"	
20	1 1/4"	
24	1 1/2"	
32	2"	

* Refer to the GYROLOK® catalog #79002 for our full range of fitting products. See the HOKE® Tubing Data Charts #79308 for more information on tube data. Available GYROLOK® sizes vary by size, type, and class. Please see appropriate table for sizes. Consult factory for any special requests.

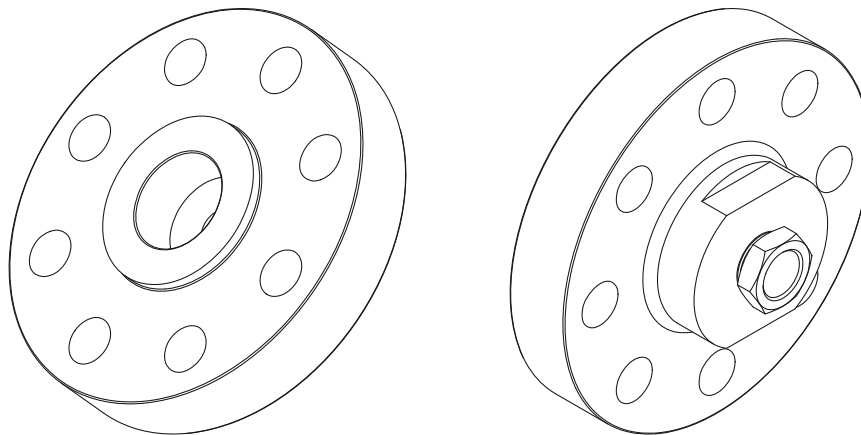


ANSI B16.5 - Type Flanges

Class 2500 Raised Face Flange X Imperial Male GYROLOK®

CLASS 2500 RAISED FACE FLANGE X IMPERIAL MALE GYROLOK																
NPS	OD	R	B	C	BC	BH	BH QTY	W	GYROLOK SIZE	D	HEX	Y	OAL			
1/2	5.25	1.38	0.62	1.20	3.50	0.875	4	1 5/16	1/4	0.187	1/2	1.72	2.85			
									3/8	0.282	5/8	1.63	2.89			
									1/2	0.422	7/8	1.30	2.93			
									3/4	0.656	1 1/8	1.24	3.17			
3/4	5.50	1.69	0.82	1.26	3.75	0.875		4	1 1/2	1/4	0.187	1/2	1.85	2.97		
										3/8	0.282	5/8	1.76	3.01		
										1/2	0.422	7/8	1.42	3.06		
										3/4	0.656	1 1/8	1.36	3.30		
1	6.25	2.00	1.05	1.39	4.25	1.000			4	1 3/4	1/4	0.187	1/2	2.11	3.23	
											3/8	0.282	5/8	2.02	3.27	
											1/2	0.422	7/8	1.69	3.32	
											3/4	0.656	1 1/8	1.63	3.56	
											1	0.875	1 1/2	1.43	3.47	
1 1/4	7.25	2.50	1.38	1.51	5.12	1.125				4	2 3/16	1/4	0.187	1/2	2.37	3.50
												3/8	0.282	5/8	2.28	3.54
												1/2	0.422	7/8	1.95	3.58
							3/4					0.656	1 1/8	1.89	3.82	
							1					0.875	1 1/2	1.69	3.73	
1 1/2	8.00	2.88	1.61	1.76	5.75	1.250	4				2 3/8	1/4	0.187	1/2	2.76	3.88
												3/8	0.282	5/8	2.67	3.92
								1/2				0.422	7/8	2.34	3.97	
								3/4				0.656	1 1/8	2.28	4.21	
								1				0.875	1 1/2	2.08	4.12	
2	9.25	3.62	2.07	2.01	6.75	1.125		8			2 7/8	1/4	0.187	1/2	2.87	4.00
									3/8			0.282	5/8	2.78	4.04	
									1/2			0.422	7/8	2.45	4.08	
									3/4			0.656	1 1/8	2.39	4.32	
									1			0.875	1 1/2	2.19	4.23	

Dimensions are in inches unless otherwise noted.
 Dimensions are for reference only and are subject to change.



ANSI B16.5 - Type Flanges

Class 2500 Raised Face Flange X Imperial Male GYROLOK®

How to Order

[] **M F C R F** [] [] **-2500**

**MALE GYROLOK®
RAISED FACE FLANGE**

Ansi B16.5 Pressure Class

GYROLOK® Sizes*

4	1/4"
6	3/8"
8	1/2"
12	3/4"
16	1"

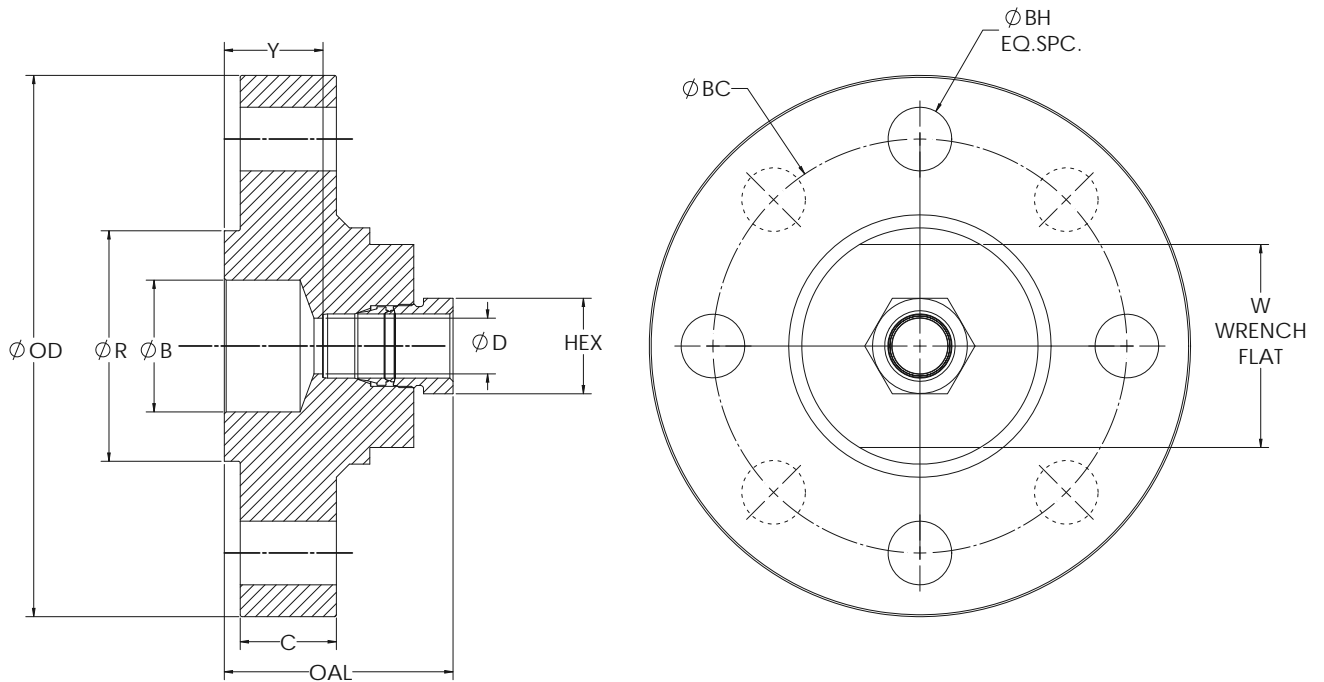
Flange Material

316	316 SS/316L
M	MONEL®
HC	HASTELLOY® C-276
DX3	Duplex 2205
625	INCONEL® Alloy
825	INCONEL® Alloy
D50	Super Duplex 2507
TI	Titanium
6MO	254 SMO

Nominal Flange Size NPS

8	1/2"	
12	3/4"	Consult factory for sizes not included in tables.
16	1"	
20	1 1/4"	
24	1 1/2"	
32	2"	

* Refer to the GYROLOK® catalog #79002 for our full range of fitting products. See the HOKE® Tubing Data Charts #79308 for more information on tube data. Available GYROLOK® sizes vary by size, type, and class. Please see appropriate table for sizes. Consult factory for any special requests.



ANSI B16.5 - Type Flanges

Class 150/300/400/600/900/1500/2500 Raised Face Flange X Metric Male GYROLOK®

CLASS 150 RAISED FACE FLANGE X METRIC MALE GYROLOK													
NPS	OD	R	B	C	BC	BH	BH QTY	W	GYROLOK SIZE (mm)	D	HEX	Y	OAL
1/2	3.50	1.38	0.62	0.39	2.38	0.625	4	7/8	10	0.316	11/16	0.34	1.66
3/4	3.88	1.69	0.82	0.45	2.75	0.625		1 1/8				0.44	1.76
1	4.25	2.00	1.05	0.51	3.12	0.625		1 1/2				0.44	1.76
1 1/4	4.62	2.50	1.38	0.57	3.50	0.625		1 3/4				0.57	1.89
1 1/2	5.00	2.88	1.61	0.63	3.88	0.625		1 15/16				0.57	1.89
2	6.00	3.62	2.07	0.70	4.75	0.750		2 3/8				0.83	2.15

Dimensions are in inches unless otherwise noted.

Dimensions are for reference only and are subject to change.

CLASS 300 RAISED FACE FLANGE X METRIC MALE GYROLOK													
NPS	OD	R	B	C	BC	BH	BH QTY	W	GYROLOK SIZE (mm)	D	HEX	Y	OAL
1/2	3.75	1.38	0.62	0.51	2.62	0.625	4	1 1/8	10	0.316	11/16	0.44	1.76
3/4	4.62	1.69	0.82	0.57	3.25	0.750		1 7/16				0.70	2.03
1	4.88	2.00	1.05	0.63	3.50	0.750		1 5/8				0.70	2.03
1 1/4	5.25	2.50	1.38	0.70	3.88	0.750		1 15/16				0.83	2.15
1 1/2	6.12	2.88	1.61	0.76	4.50	0.875		2 1/8				0.97	2.29
2	6.50	3.62	2.07	0.82	5.00	0.750		8				2 9/16	0.95

Dimensions are in inches unless otherwise noted.

Dimensions are for reference only and are subject to change.

CLASS 400/600 RAISED FACE FLANGE X METRIC MALE GYROLOK													
NPS	OD	R	B	C	BC	BH	BH QTY	W	GYROLOK SIZE (mm)	D	HEX	Y	OAL
1/2	3.75	1.38	0.62	0.57	2.62	0.625	4	1 1/8	10	0.316	11/16	0.69	2.01
3/4	4.62	1.69	0.82	0.63	3.25	0.750		1 7/16				0.95	2.28
1	4.88	2.00	1.05	0.70	3.50	0.750		1 5/8				0.95	2.28
1 1/4	5.25	2.50	1.38	0.82	3.88	0.750		1 15/16				1.08	2.40
1 1/2	6.12	2.88	1.61	0.89	4.50	0.875		2 1/8				1.34	2.66
2	6.50	3.62	2.07	1.01	5.00	0.750		8				2 9/16	1.33

Dimensions are in inches unless otherwise noted.

Dimensions are for reference only and are subject to change.

CLASS 900/1500 RAISED FACE FLANGE X METRIC MALE GYROLOK													
NPS	OD	R	B	C	BC	BH	BH QTY	W	GYROLOK SIZE (mm)	D	HEX	Y	OAL
1/2	4.75	1.38	0.62	0.89	3.25	0.875	4	1 1/8	10	0.316	11/16	1.34	2.66
3/4	5.12	1.69	0.82	1.01	3.50	0.875		1 5/16				1.47	2.79
1	5.88	2.00	1.05	1.13	4.00	1.000		1 9/16				1.73	3.05
1 1/4	6.25	2.50	1.38	1.13	4.38	1.000		1 15/16				1.73	3.05
1 1/2	7.00	2.88	1.61	1.26	4.88	1.125		2 1/8				1.99	3.31
2	8.50	3.62	2.07	1.51	6.50	1.000		8				3 3/16	2.10

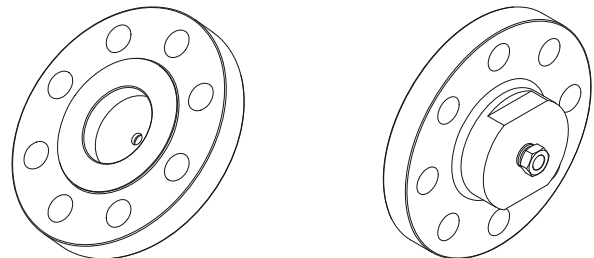
Dimensions are in inches unless otherwise noted.

Dimensions are for reference only and are subject to change.

CLASS 2500 RAISED FACE FLANGE X METRIC MALE GYROLOK													
NPS	OD	R	B	C	BC	BH	BH QTY	W	GYROLOK SIZE (mm)	D	HEX	Y	OAL
1/2	5.25	1.38	0.62	1.20	3.50	0.875	4	1 5/16	10	0.316	11/16	1.59	2.91
3/4	5.50	1.69	0.82	1.26	3.75	0.875		1 1/2				1.72	3.04
1	6.25	2.00	1.05	1.39	4.25	1.000		1 3/4				1.98	3.30
1 1/4	7.25	2.50	1.38	1.51	5.12	1.125		2 3/16				2.24	3.56
1 1/2	8.00	2.88	1.61	1.76	5.75	1.250		2 3/8				2.63	3.95
2	9.25	3.62	2.07	2.01	6.75	1.125		8				2 7/8	2.74

Dimensions are in inches unless otherwise noted.

Dimensions are for reference only and are subject to change.



ANSI B16.5 - Type Flanges

Class 150/300/400/600/900/1500/2500 Raised Face Flange X Metric Male GYROLOK®

How to Order

[] M F C R F [] [] ME - []

**MALE GYROLOK®
RING JOINT FLANGE**

GYROLOK® Sizes*
10mm

ANSI B16.5 Pressure Class

- 150**
- 300** For class 400 flanges up to 3.5" NPS specify class 600, For class 900 flanges up to 2.5" NPS specify class 1500.
- 400**
- 600**
- 900**
- 1500**
- 2500**

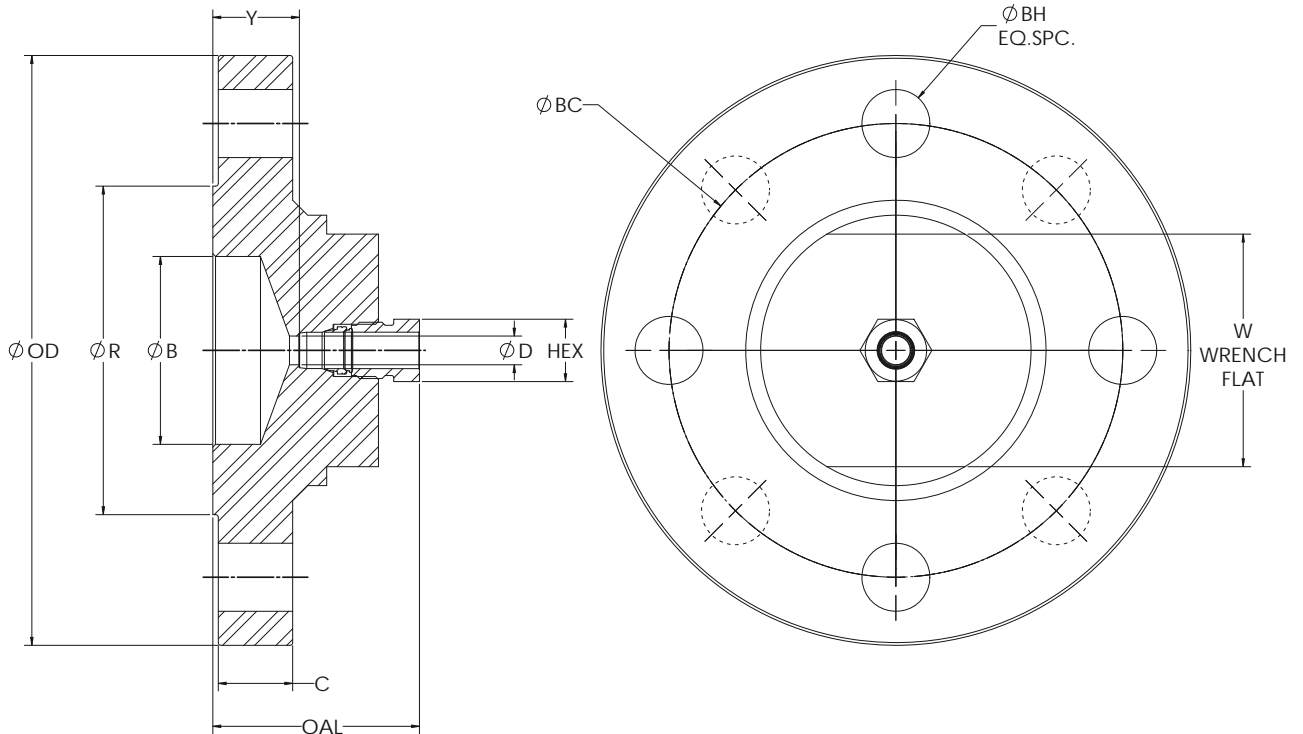
Flange Material

- 316** 316 SS/316L
- M** MONEL®
- HC** HASTELLOY® C-276
- DX3** Duplex 2205
- 625** INCONEL® Alloy
- 825** INCONEL® Alloy
- D50** Super Duplex 2507
- TI** Titanium
- 6MO** 254 SMO

Nominal Flange Size NPS

- 8** 1/2"
- 12** 3/4" Consult factory for sizes not included in tables.
- 16** 1"
- 20** 1 1/4"
- 24** 1 1/2"
- 32** 2"

* Refer to the GYROLOK® catalog #79002 for our full range of fitting products. See the HOKE® Tubing Data Charts #79308 for more information on tube data. Available GYROLOK® sizes vary by size, type, and class. Please see appropriate table for sizes. Consult factory for any special requests.



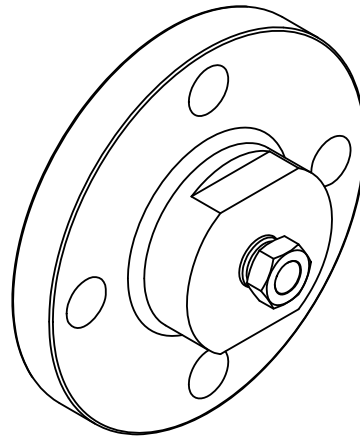
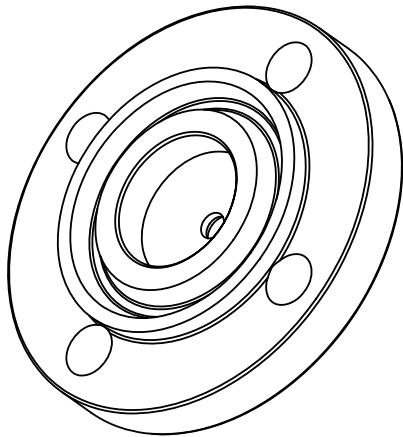
ANSI B16.5 - Type Flanges

Class 150 Ring Joint Flange X Imperial Male GYROLOK®

CLASS 150 RING JOINT FLANGE X IMPERIAL MALE GYROLOK														
NPS	OD	K	B	C	BC	BH	BH QTY	W	GYROLOK SIZE	D	HEX	Y	OAL	
1	4.25	2.50	1.05	0.51	3.12	0.625	4	1 1/2	1/4	0.187	1/2	0.82	1.95	
									3/8	0.282	5/8	0.73	1.99	
									1/2	0.422	7/8	0.66	2.29	
									3/4	0.656	1 1/8	0.65	2.58	
1 1/4	4.62	2.88	1.38	0.57	3.50			1 3/4	1/4	0.187	1/2	0.95	2.07	
									3/8	0.282	5/8	0.86	2.11	
									1/2	0.422	7/8	0.69	2.32	
									3/4	0.656	1 1/8	0.68	2.61	
1 1/2	5.00	3.25	1.61	0.63	3.88			1 15/16	1/4	0.187	1/2	0.95	2.07	
									3/8	0.282	5/8	0.86	2.11	
									1/2	0.422	7/8	0.72	2.35	
									3/4	0.656	1 1/8	0.71	2.64	
2	6.00	4.00	2.07	0.70	4.75			0.750	2 3/8	1/4	0.187	1/2	1.21	2.33
										3/8	0.282	5/8	1.12	2.37
										1/2	0.422	7/8	0.79	2.42
										3/4	0.656	1 1/8	0.75	2.68
								1	0.875	1 1/2	0.75	2.79		

Dimensions are in inches unless otherwise noted.

Dimensions are for reference only and are subject to change.



ANSI B16.5 - Type Flanges

Class 150 Ring Joint Flange X Imperial Male GYROLOK®

How to Order

[] **M F C R J** [] [] -150

**MALE GYROLOK®
RING JOINT FLANGE**

GYROLOK® *Sizes**

4	1/4"
6	3/8"
8	1/2"
12	3/4"
16	1"

Ansi B16.5 Pressure Class

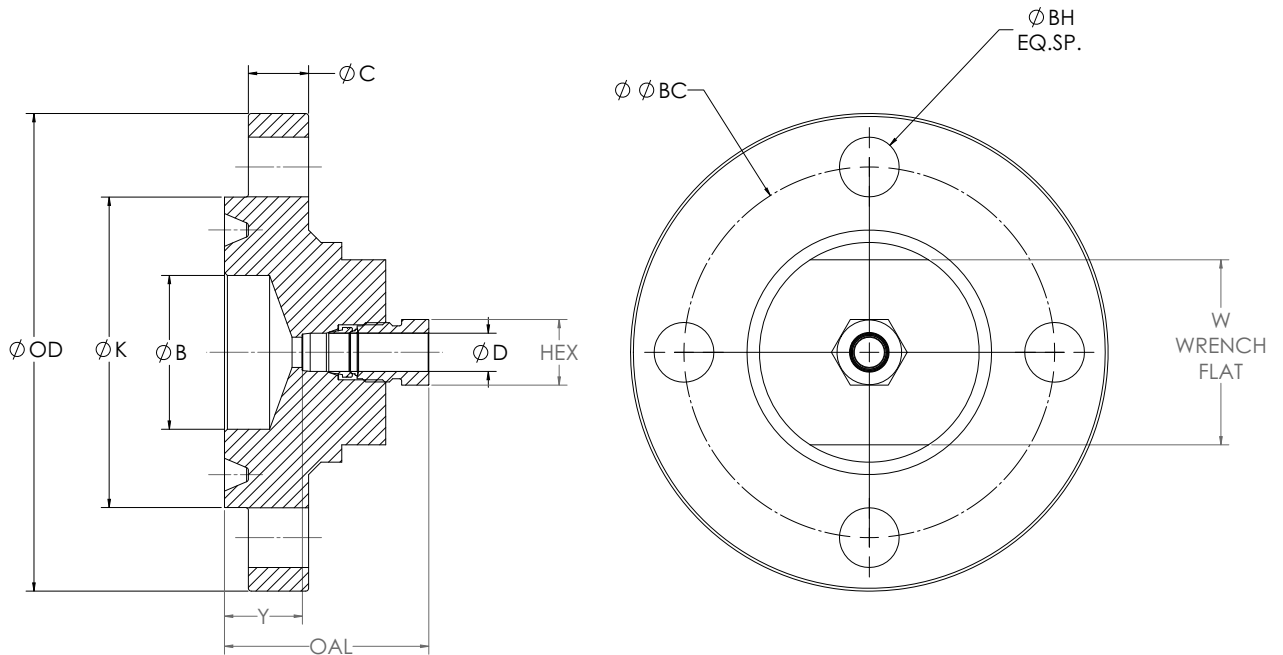
Flange Material

316	316 SS/316L
M	MONEL®
HC	HASTELLOY® C-276
DX3	Duplex 2205
625	INCONEL® Alloy
825	INCONEL® Alloy
D50	Super Duplex 2507
TI	Titanium
6MO	254 SMO

* Refer to the GYROLOK® catalog #79002 for our full range of fitting products. See the HOKE® Tubing Data Charts #79308 for more information on tube data. Available GYROLOK® sizes vary by size, type, and class. Please see appropriate table for sizes. Consult factory for any special requests.

Nominal Flange Size NPS

16	1"	
20	1 1/4"	Consult factory for sizes not included in tables.
24	1 1/2"	
32	2"	

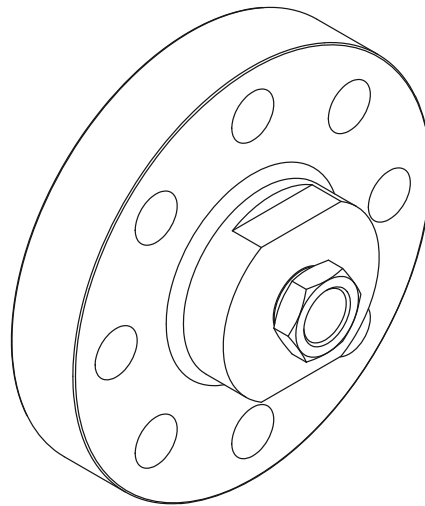
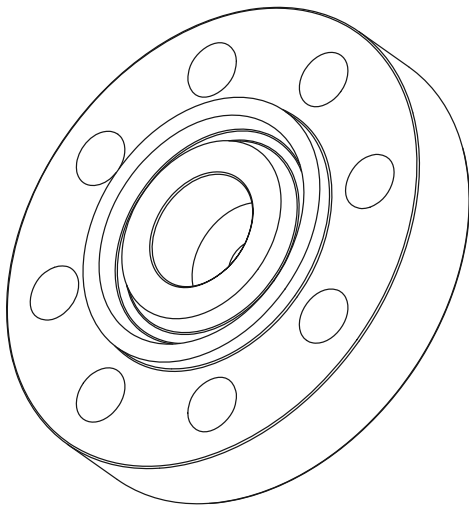


ANSI B16.5 - Type Flanges

Class 300 Ring Joint Flange X Imperial Male GYROLOK®

CLASS 300 RING JOINT FLANGE X IMPERIAL MALE GYROLOK															
NPS	OD	K	B	C	BC	BH	BH QTY	W	GYROLOK SIZE	D	HEX	Y	OAL		
1/2	3.75	2.00	0.62	0.51	2.62	0.625	4	1 1/8	1/4	0.187	1/2	0.82	1.95		
									3/8	0.282	5/8	0.73	1.99		
									1/2	0.422	7/8	0.63	2.26		
3/4	4.62	2.50	0.82	0.57	3.25	0.750		4	1 7/16	1/4	0.187	1/2	1.08	2.21	
										3/8	0.282	5/8	1.00	2.25	
										1/2	0.422	7/8	0.69	2.32	
										3/4	0.656	1 1/8	0.68	2.61	
1	4.88	2.75	1.05	0.63	3.50	0.750			4	1 5/8	1/4	0.187	1/2	1.08	2.21
											3/8	0.282	5/8	1.00	2.25
											1/2	0.422	7/8	0.72	2.35
											3/4	0.656	1 1/8	0.71	2.64
1 1/4	5.25	3.12	1.38	0.70	3.88	0.750				4	1 15/16	1/4	0.187	1/2	1.21
							3/8					0.282	5/8	1.12	2.37
							1/2					0.422	7/8	0.79	2.42
							3/4					0.656	1 1/8	0.75	2.68
							1	0.875				1 1/2	0.75	2.79	
1 1/2	6.12	3.56	1.61	0.76	4.50	0.875	4	2 1/8			1/4	0.187	1/2	1.35	2.47
											3/8	0.282	5/8	1.26	2.51
											1/2	0.422	7/8	0.92	2.56
									3/4		0.656	1 1/8	0.86	2.80	
									1		0.875	1 1/2	0.78	2.82	
2	6.50	4.25	2.07	0.82	5.00	0.750		8	2 9/16		1/4	0.187	1/2	1.33	2.46
											3/8	0.282	5/8	1.25	2.50
										1/2	0.422	7/8	0.91	2.54	
										3/4	0.656	1 1/8	0.87	2.80	
										1	0.875	1 1/2	0.87	2.91	

Dimensions are in inches unless otherwise noted.
 Dimensions are for reference only and are subject to change.



ANSI B16.5 - Type Flanges

Class 300 Ring Joint Flange X Imperial Male GYROLOK®

How to Order

[] M F C R J [] [] -300

MALE GYROLOK® RING JOINT FLANGE

GYROLOK® Sizes*

4	1/4"
6	3/8"
8	1/2"
12	3/4"
16	1"

Ansi B16.5 Pressure Class

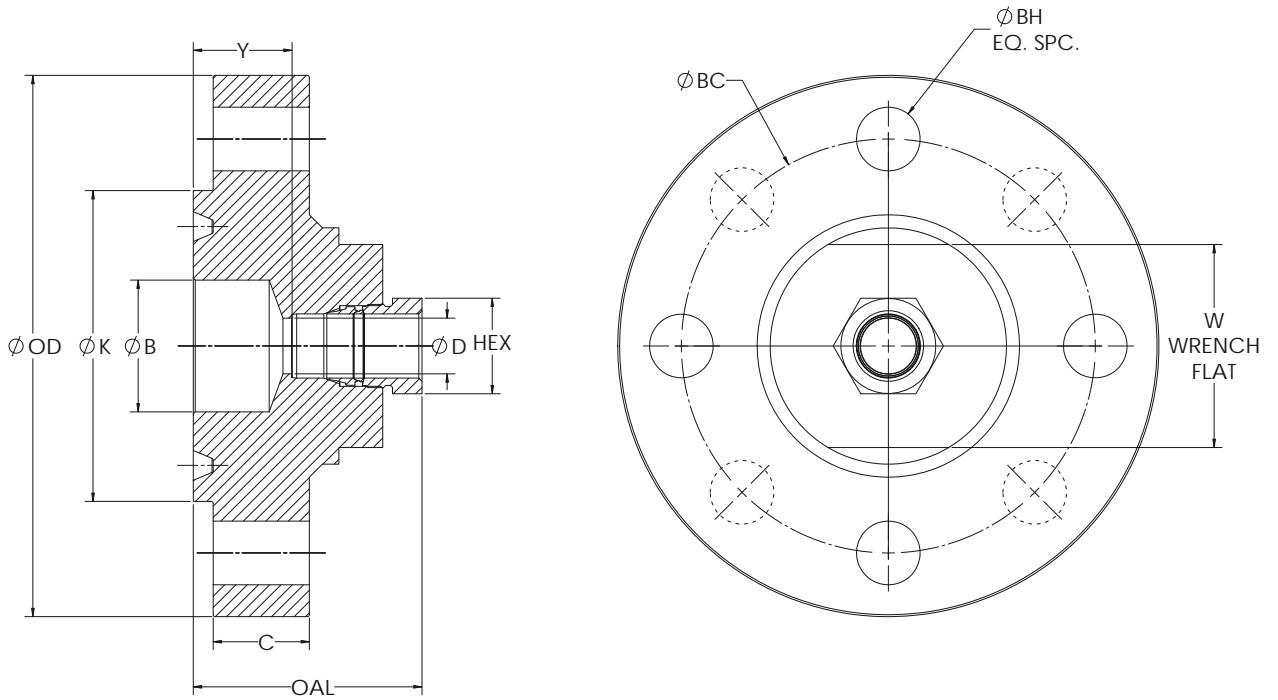
Flange Material

316	316 SS/316L
M	MONEL®
HC	HASTELLOY® C-276
DX3	Duplex 2205
625	INCONEL® Alloy
825	INCONEL® Alloy
D50	Super Duplex 2507
TI	Titanium
6M0	254 SMO

Nominal Flange Size NPS

8	1/2"	
12	3/4"	Consult factory for sizes not included in tables.
16	1"	
20	1 1/4"	
24	1 1/2"	
32	2"	

* Refer to the GYROLOK® catalog #79002 for our full range of fitting products. See the HOKE® Tubing Data Charts #79308 for more information on tube data. Available GYROLOK® sizes vary by size, type, and class. Please see appropriate table for sizes. Consult factory for any special requests.

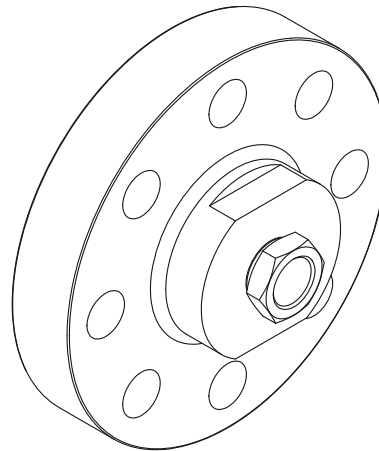
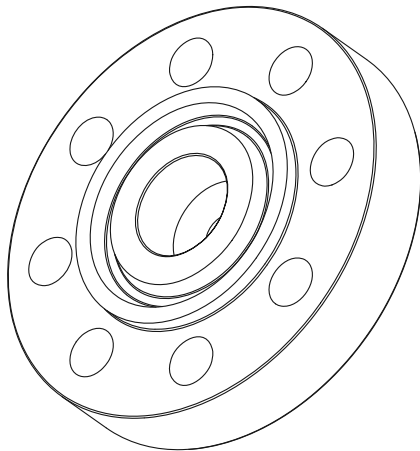


ANSI B16.5 - Type Flanges

Class 400/600 Ring Joint Flange X Imperial Male GYROLOK®

CLASS 400/600 RING JOINT FLANGE X IMPERIAL MALE GYROLOK															
NPS	OD	K	B	C	BC	BH	BH QTY	W	GYROLOK SIZE	D	HEX	Y	OAL		
1/2	3.75	2.00	0.62	0.57	2.62	0.625	4	1 1/8	1/4	0.187	1/2	0.82	1.95		
									3/8	0.282	5/8	0.73	1.99		
									1/2	0.422	7/8	0.66	2.29		
3/4	4.62	2.50	0.82	0.63	3.25	0.750		4	1 7/16	1/4	0.187	1/2	1.08	2.21	
										3/8	0.282	5/8	1.00	2.25	
										1/2	0.422	7/8	0.72	2.35	
										3/4	0.656	1 1/8	0.71	2.64	
1	4.88	2.75	1.05	0.70	3.50	0.750			4	1 5/8	1/4	0.187	1/2	1.08	2.21
											3/8	0.282	5/8	1.00	2.25
											1/2	0.422	7/8	0.76	2.39
											3/4	0.656	1 1/8	0.75	2.68
1 1/4	5.25	3.12	1.38	0.82	3.88	0.750				4	1 15/16	1/4	0.187	1/2	1.21
							3/8					0.282	5/8	1.12	2.37
							1/2					0.422	7/8	0.82	2.45
							3/4					0.656	1 1/8	0.81	2.74
							1	0.875				1 1/2	0.81	2.85	
1 1/2	6.12	3.56	1.61	0.89	4.50	0.875	4	2 1/8			1/4	0.187	1/2	1.47	2.60
											3/8	0.282	5/8	1.38	2.64
											1/2	0.422	7/8	1.05	2.68
									3/4		0.656	1 1/8	0.99	2.92	
									1		0.875	1 1/2	0.85	2.89	
2	6.50	4.25	2.07	1.01	5.00	0.750		8	2 9/16		1/4	0.187	1/2	1.46	2.58
											3/8	0.282	5/8	1.37	2.62
										1/2	0.422	7/8	1.04	2.67	
										3/4	0.656	1 1/8	0.98	2.91	
										1	0.875	1 1/2	0.97	3.01	

Dimensions are in inches unless otherwise noted.
 Dimensions are for reference only and are subject to change.



ANSI B16.5 - Type Flanges

Class 400/600 Ring Joint Flange X Imperial Male GYROLOK®

How to Order

[] M F C R J [] [] -600

MALE GYROLOK® RING JOINT FLANGE

GYROLOK® Sizes*

4	1/4"
6	3/8"
8	1/2"
12	3/4"
16	1"

Ansi B16.5 Pressure Class

For class 400 flanges up to 3.5" NPS specify class 600.

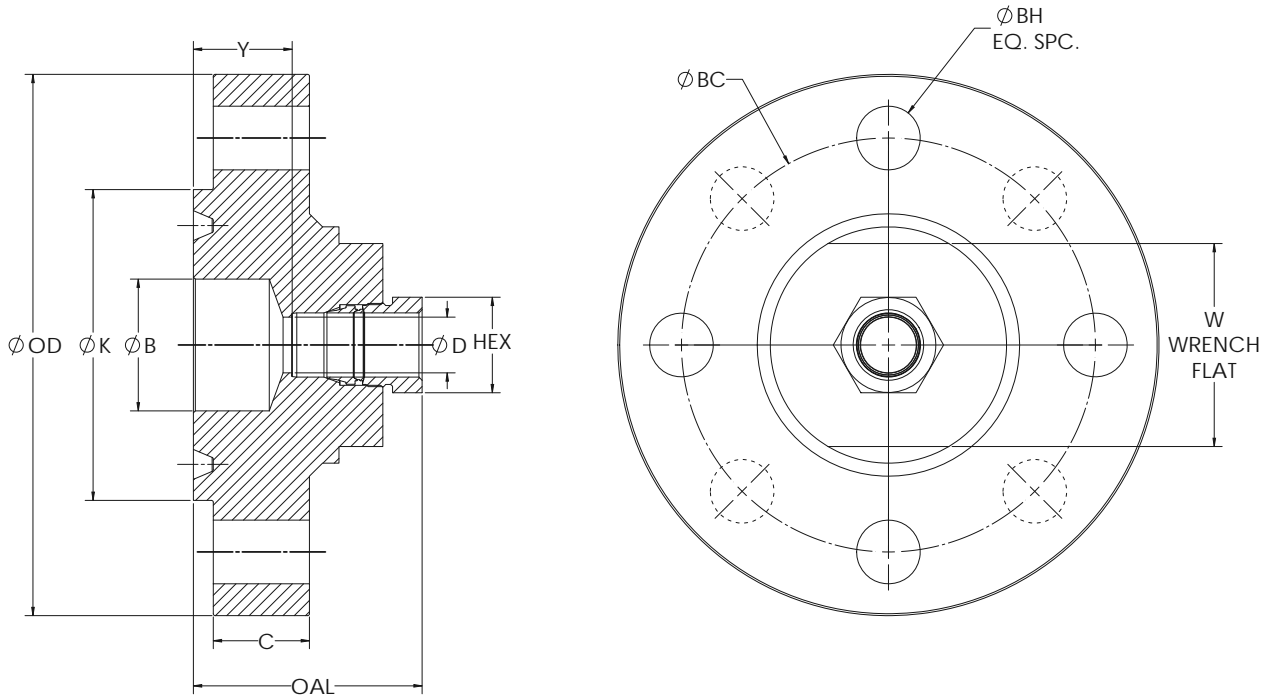
Flange Material

316	316 SS/316L
M	MONEL®
HC	HASTELLOY® C-276
DX3	Duplex 2205
625	INCONEL® Alloy
825	INCONEL® Alloy
D50	Super Duplex 2507
TI	Titanium
6MO	254 SMO

Nominal Flange Size NPS

8	1/2"	
12	3/4"	Consult factory for sizes not included in tables.
16	1"	
20	1 1/4"	
24	1 1/2"	
32	2"	

* Refer to the GYROLOK® catalog #79002 for our full range of fitting products. See the HOKE® Tubing Data Charts #79308 for more information on tube data. Available GYROLOK® sizes vary by size, type, and class. Please see appropriate table for sizes. Consult factory for any special requests.

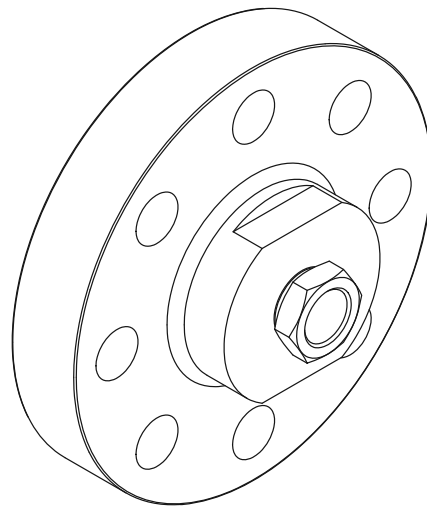
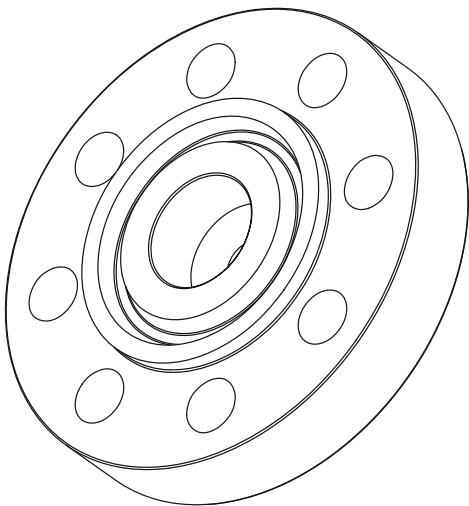


ANSI B16.5 - Type Flanges

Class 900/1500 Ring Joint Flange X Imperial Male GYROLOK®

CLASS 900/1500 RING JOINT FLANGE X IMPERIAL MALE GYROLOK															
NPS	OD	K	B	C	BC	BH	BH QTY	W	GYROLOK SIZE	D	HEX	Y	OAL		
1/2	4.75	2.38	0.62	0.89	3.25	0.875	4	1 1/8	1/4	0.187	1/2	1.47	2.60		
									3/8	0.282	5/8	1.38	2.64		
									1/2	0.422	7/8	1.05	2.68		
3/4	5.12	2.62	0.82	1.01	3.50	0.875		4	1 5/16	1/4	0.187	1/2	1.60	2.72	
										3/8	0.282	5/8	1.51	2.76	
										1/2	0.422	7/8	1.17	2.81	
										3/4	0.656	1 1/8	1.11	3.05	
1	5.88	2.81	1.05	1.13	4.00	1.000			4	1 9/16	1/4	0.187	1/2	1.86	2.98
											3/8	0.282	5/8	1.77	3.02
											1/2	0.422	7/8	1.44	3.07
											3/4	0.656	1 1/8	1.38	3.31
1 1/4	6.25	3.19	1.38	1.13	4.38	1.000				4	1 15/16	1/4	0.187	1/2	1.86
							3/8					0.282	5/8	1.77	3.02
							1/2					0.422	7/8	1.44	3.07
							3/4					0.656	1 1/8	1.38	3.31
							1	0.875				1 1/2	1.18	3.22	
1 1/2	7.00	3.62	1.61	1.26	4.88	1.125	4	2 1/8			1/4	0.187	1/2	2.12	3.25
											3/8	0.282	5/8	2.03	3.29
											1/2	0.422	7/8	1.70	3.33
									3/4		0.656	1 1/8	1.64	3.57	
									1		0.875	1 1/2	1.44	3.48	
2	8.50	4.88	2.07	1.51	6.50	1.000		8	3 3/16		1/4	0.187	1/2	2.23	3.36
											3/8	0.282	5/8	2.15	3.40
										1/2	0.422	7/8	1.81	3.44	
										3/4	0.656	1 1/8	1.75	3.68	
										1	0.875	1 1/2	1.55	3.60	

Dimensions are in inches unless otherwise noted.
 Dimensions are for reference only and are subject to change.



ANSI B16.5 - Type Flanges

Class 900/1500 Ring Joint Flange X Imperial Male GYROLOK®

How to Order

[] M F C R J [] [] -1500

**MALE GYROLOK®
RING JOINT FLANGE**

GYROLOK® Sizes*

4	1/4"
6	3/8"
8	1/2"
12	3/4"
16	1"

Ansi B16.5 Pressure Class

For class 900 flanges up to 2.5" NPS specify class 1500.

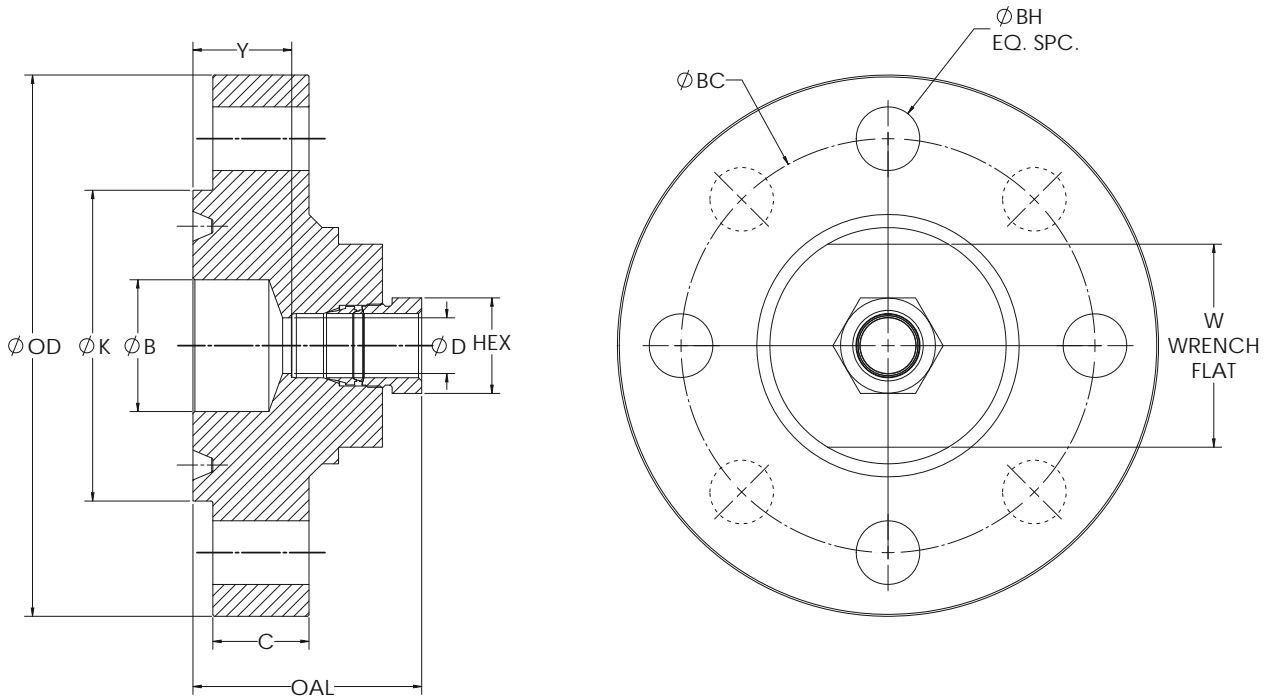
Flange Material

316	316 SS/316L
M	MONEL®
HC	HASTELLOY® C-276
DX3	Duplex 2205
625	INCONEL® Alloy
825	INCONEL® Alloy
D50	Super Duplex 2507
TI	Titanium
6MO	254 SMO

Nominal Flange Size NPS

8	1/2"	
12	3/4"	Consult factory for sizes not included in tables.
16	1"	
20	1 1/4"	
24	1 1/2"	
32	2"	

* Refer to the GYROLOK® catalog #79002 for our full range of fitting products. See the HOKE® Tubing Data Charts #79308 for more information on tube data. Available GYROLOK® sizes vary by size, type, and class. Please see appropriate table for sizes. Consult factory for any special requests.

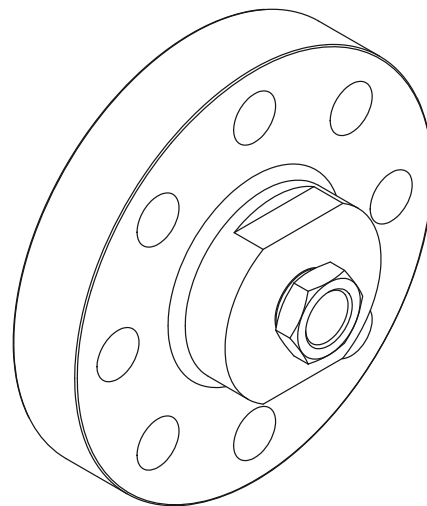
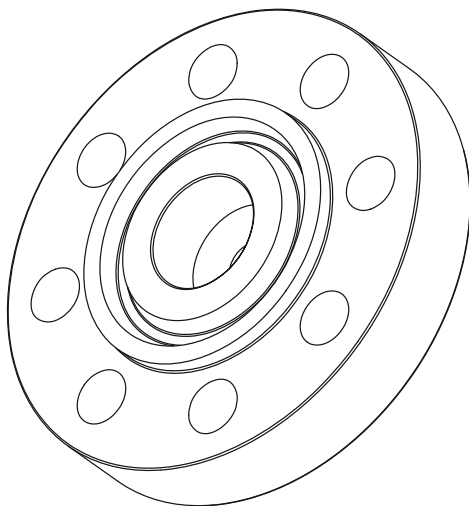


ANSI B16.5 - Type Flanges

Class 2500 Ring Joint Flange X Imperial Male GYROLOK®

CLASS 2500 RING JOINT FLANGE X IMPERIAL MALE GYROLOK																
NPS	OD	K	B	C	BC	BH	BH QTY	W	GYROLOK SIZE	D	HEX	Y	OAL			
1/2	5.25	2.56	0.62	1.20	3.50	0.875	4	1 5/16	1/4	0.187	1/2	1.72	2.85			
									3/8	0.282	5/8	1.63	2.89			
									1/2	0.422	7/8	1.30	2.93			
									3/4	0.656	1 1/8	1.24	3.17			
3/4	5.50	2.88	0.82	1.26	3.75	0.875		4	1 1/2	1/4	0.187	1/2	1.85	2.97		
										3/8	0.282	5/8	1.76	3.01		
										1/2	0.422	7/8	1.42	3.06		
										3/4	0.656	1 1/8	1.36	3.30		
1	6.25	3.25	1.05	1.39	4.25	1.000			4	1 3/4	1/4	0.187	1/2	2.11	3.23	
											3/8	0.282	5/8	2.02	3.27	
											1/2	0.422	7/8	1.69	3.32	
											3/4	0.656	1 1/8	1.63	3.56	
1 1/4	7.25	4.00	1.38	1.51	5.12	1.125				4	2 3/16	1	0.875	1 1/2	1.43	3.47
												1/4	0.187	1/2	2.37	3.50
												3/8	0.282	5/8	2.28	3.54
												1/2	0.422	7/8	1.95	3.58
1 1/2	8.00	4.50	1.61	1.76	5.75	1.250	4				2 3/8	3/4	0.656	1 1/8	1.89	3.82
												1	0.875	1 1/2	1.69	3.73
												1/4	0.187	1/2	2.76	3.88
												3/8	0.282	5/8	2.67	3.92
2	9.25	5.25	2.07	2.01	6.75	1.125		8			2 7/8	1/2	0.422	7/8	2.34	3.97
												3/4	0.656	1 1/8	2.28	4.21
												1	0.875	1 1/2	2.08	4.12
												1/4	0.187	1/2	2.87	4.00
									8		2 7/8	3/8	0.282	5/8	2.78	4.04
												1/2	0.422	7/8	2.45	4.08
												3/4	0.656	1 1/8	2.39	4.32
												1	0.875	1 1/2	2.19	4.23

Dimensions are in inches unless otherwise noted.
 Dimensions are for reference only and are subject to change.



ANSI B16.5 - Type Flanges

Class 2500 Ring Joint Flange X Imperial Male GYROLOK®

How to Order

[] M F C R J [] [] -2500

**MALE GYROLOK®
RING JOINT FLANGE**

GYROLOK® Sizes*

4	1/4"
6	3/8"
8	1/2"
12	3/4"
16	1"

Ansi B16.5 Pressure Class

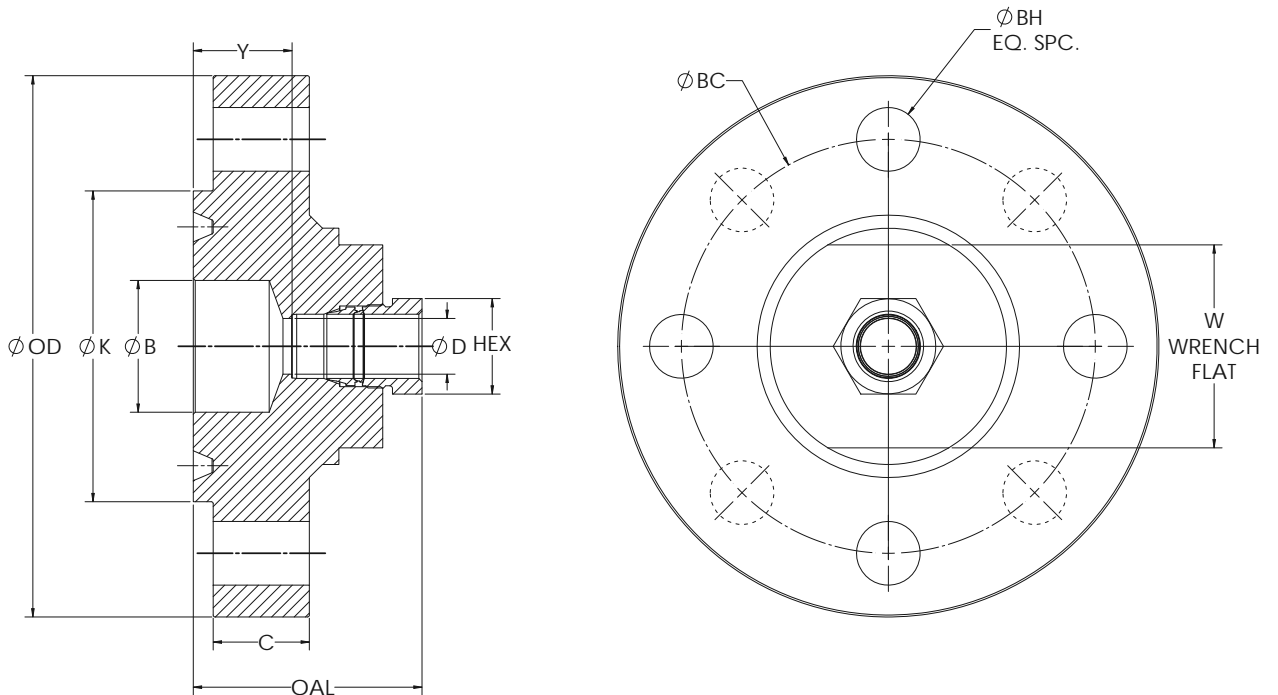
Flange Material

316	316 SS/316L
M	MONEL®
HC	HASTELLOY® C-276
DX3	Duplex 2205
625	INCONEL® Alloy
825	INCONEL® Alloy
D50	Super Duplex 2507
TI	Titanium
6MO	254 SMO

Nominal Flange Size NPS

8	1/2"	Consult factory for sizes not included in tables.
12	3/4"	
16	1"	
20	1 1/4"	
24	1 1/2"	
32	2"	

* Refer to the GYROLOK® catalog #79002 for our full range of fitting products. See the HOKE® Tubing Data Charts #79308 for more information on tube data. Available GYROLOK® sizes vary by size, type, and class. Please see appropriate table for sizes. Consult factory for any special requests.



ANSI B16.5 - Type Flanges

Class 150/300/400/600/900/1500/2500 Ring Joint Flange X Metric Male GYROLOK®

CLASS 150 RING JOINT FLANGE X METRIC MALE GYROLOK													
NPS	OD	K	B	C	BC	BH	BH QTY	W	GYROLOK SIZE (mm)	D	HEX	Y	OAL
1	4.25	2.50	1.05	0.51	3.12	0.625	4	1 1/2	10	0.316	11/16	0.69	2.01
1 1/4	4.62	2.88	1.38	0.57	3.50	0.625		1 3/4	10	0.316	11/16	0.82	2.14
1 1/2	5.00	3.25	1.61	0.63	3.88	0.625		1 15/16	10	0.316	11/16	0.82	2.14
2	6.00	4.00	2.07	0.70	4.75	0.750		2 3/8	10	0.316	11/16	1.08	2.40

Dimensions are in inches unless otherwise noted.

Dimensions are for reference only and are subject to change.

CLASS 300 RING JOINT FLANGE X METRIC MALE GYROLOK													
NPS	OD	K	B	C	BC	BH	BH QTY	W	GYROLOK SIZE (mm)	D	HEX	Y	OAL
1/2	3.75	2.00	0.62	0.51	2.62	0.625	4	1 1/8	10	0.316	11/16	0.69	2.01
3/4	4.62	2.50	0.82	0.57	3.25	0.750		1 7/16	10	0.316	11/16	0.95	2.28
1	4.88	2.75	1.05	0.63	3.50	0.750		1 5/8	10	0.316	11/16	0.95	2.28
1 1/4	5.25	3.12	1.38	0.70	3.88	0.750		1 15/16	10	0.316	11/16	1.08	2.40
1 1/2	6.12	3.56	1.61	0.76	4.50	0.875	8	2 1/8	10	0.316	11/16	1.22	2.54
2	6.50	4.25	2.07	0.82	5.00	0.750		2 9/16	10	0.316	11/16	1.20	2.53

Dimensions are in inches unless otherwise noted.

Dimensions are for reference only and are subject to change.

CLASS 400/600 RING JOINT FLANGE X METRIC MALE GYROLOK													
NPS	OD	K	B	C	BC	BH	BH QTY	W	GYROLOK SIZE (mm)	D	HEX	Y	OAL
1/2	3.75	2.00	0.62	0.57	2.62	0.625	4	1 1/8	10	0.316	11/16	0.69	2.01
3/4	4.62	2.50	0.82	0.63	3.25	0.750		1 7/16	10	0.316	11/16	0.95	2.28
1	4.88	2.75	1.05	0.70	3.50	0.750		1 5/8	10	0.316	11/16	0.95	2.28
1 1/4	5.25	3.12	1.38	0.82	3.88	0.750		1 15/16	10	0.316	11/16	1.08	2.40
1 1/2	6.12	3.56	1.61	0.89	4.50	0.875	8	2 1/8	10	0.316	11/16	1.34	2.66
2	6.50	4.25	2.07	1.01	5.00	0.750		2 9/16	10	0.316	11/16	1.33	2.65

Dimensions are in inches unless otherwise noted.

Dimensions are for reference only and are subject to change.

CLASS 900/1500 RING JOINT FLANGE X METRIC MALE GYROLOK													
NPS	OD	K	B	C	BC	BH	BH QTY	W	GYROLOK SIZE (mm)	D	HEX	Y	OAL
1/2	4.75	2.38	0.62	0.89	3.25	0.875	4	1 1/8	10	0.316	11/16	1.34	2.66
3/4	5.12	2.62	0.82	1.01	3.50	0.875		1 5/16	10	0.316	11/16	1.47	2.79
1	5.88	2.81	1.05	1.13	4.00	1.000		1 9/16	10	0.316	11/16	1.73	3.05
1 1/4	6.25	3.19	1.38	1.13	4.38	1.000		1 15/16	10	0.316	11/16	1.73	3.05
1 1/2	7.00	3.62	1.61	1.26	4.88	1.125	8	2 1/8	10	0.316	11/16	1.99	3.31
2	8.50	4.88	2.07	1.51	6.50	1.000		3 3/16	10	0.316	11/16	2.10	3.43

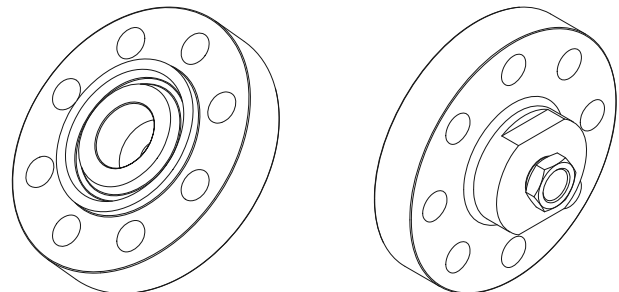
Dimensions are in inches unless otherwise noted.

Dimensions are for reference only and are subject to change.

CLASS 2500 RING JOINT FLANGE X METRIC MALE GYROLOK													
NPS	OD	K	B	C	BC	BH	BH QTY	W	GYROLOK SIZE (mm)	D	HEX	Y	OAL
1/2	5.25	2.56	0.62	1.20	3.50	0.875	4	1 5/16	10	0.316	11/16	1.59	2.91
3/4	5.50	2.88	0.82	1.26	3.75	0.875		1 1/2	10	0.316	11/16	1.72	3.04
1	6.25	3.25	1.05	1.39	4.25	1.000		1 3/4	10	0.316	11/16	1.98	3.30
1 1/4	7.25	4.00	1.38	1.51	5.12	1.125		2 3/16	10	0.316	11/16	2.24	3.56
1 1/2	8.00	4.50	1.61	1.76	5.75	1.250	8	2 3/8	10	0.316	11/16	2.63	3.95
2	9.25	5.25	2.07	2.01	6.75	1.125		2 7/8	10	0.316	11/16	2.74	4.06

Dimensions are in inches unless otherwise noted.

Dimensions are for reference only and are subject to change.



ANSI B16.5 - Type Flanges

Class 150/300/400/600/900/1500/2500 Ring Joint Flange X Metric Male GYROLOK®

How to Order

[] M F C R J [] [] ME - []

**MALE GYROLOK®
RING JOINT FLANGE**

GYROLOK® Sizes*

10mm

* Refer to the GYROLOK® catalog #79002 for our full range of fitting products. See the HOKE® Tubing Data Charts #79308 for more information on tube data. Available GYROLOK® sizes vary by size, type, and class. Please see appropriate table for sizes. Consult factory for any special requests.

ANSI B16.5 Pressure Class

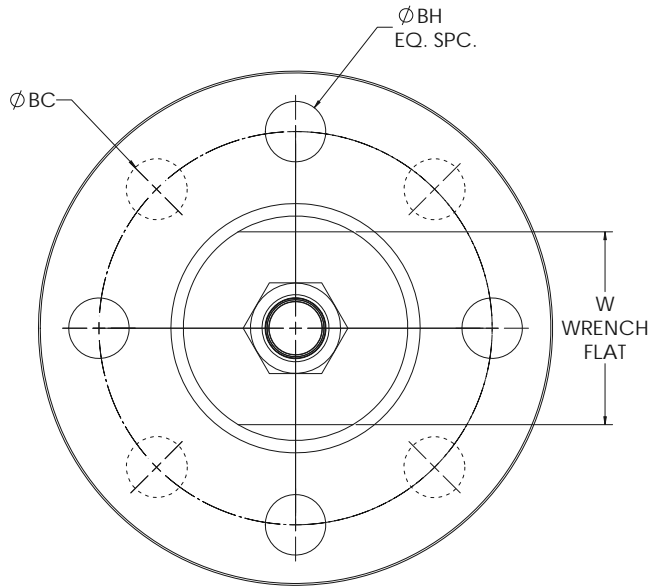
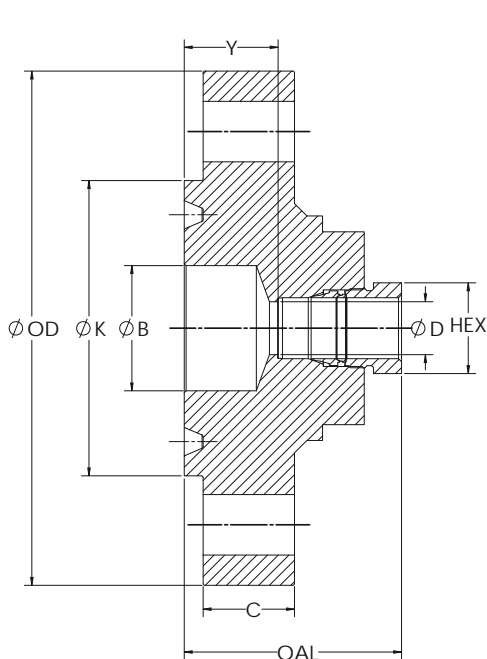
150	
300	For class 400 flanges up to 3.5" NPS specify class 600, For class
400	900 flanges up to 2.5" NPS specify class 1500.
600	
900	
1500	
2500	

Flange Material

316	316 SS/316L
M	MONEL®
HC	HASTELLOY® C-276
DX3	Duplex 2205
625	INCONEL® Alloy
825	INCONEL® Alloy
D50	Super Duplex 2507
TI	Titanium
6MO	254 SMO

Nominal Flange Size NPS

8	1/2"	
12	3/4"	Consult factory for sizes not included in tables.
16	1"	
20	1 1/4"	
24	1 1/2"	
32	2"	



ANSI B16.5 - Type Flanges

Pressure Temperature Ratings

To determine pressure ratings for fittings with a flange end connection and a second end connection, use the lower of the two pressure ratings. Below ratings are for 316SS. For other materials and classes, refer to ASME B16.5-2009.

TEMPERATURE	WORKING PRESSURE (PSIG)				
	CLASS				
F	150	300	600	1500	2500
-20 to 100	275	720	1440	3600	6000
200	235	620	1240	3095	5160
300	215	560	1120	2795	4660
400	195	515	1025	2570	4280
500	170	480	955	2390	3980
600	140	450	900	2255	3760
650	125	440	885	2210	3680
700	110	435	870	2170	3620
750	95	425	855	2135	3560
800	80	420	845	2110	3520
850	65	420	835	2090	3480
900	50	415	830	2075	3460
950	35	385	775	1930	3220
1000	20	365	725	1820	3030

TEMPERATURE	WORKING PRESSURE (BARG)				
	CLASS				
C	150	300	600	1500	2500
-29 to 38	19.0	49.6	99.3	248.2	413.7
50	18.4	48.1	96.2	240.6	400.9
100	16.2	42.2	84.4	211.0	351.6
150	14.8	38.5	77.0	192.5	320.8
200	13.7	35.7	71.3	178.3	297.2
250	12.1	33.4	66.8	166.9	278.1
300	10.2	31.6	63.2	158.1	263.5
325	9.3	30.9	61.8	154.4	257.4
350	8.4	30.3	60.7	151.6	252.7
375	7.4	29.9	59.8	149.4	249.0
400	6.5	29.4	58.9	147.2	245.3
425	5.5	29.1	58.3	145.7	242.9
450	4.6	28.8	57.7	144.2	240.4
475	3.7	28.7	57.3	143.4	238.9
500	2.8	28.2	56.5	140.9	235.0
538	1.4	25.2	50.0	125.5	208.9

* Pressure ratings are according to ASME B16.5-2009, Tables 2-2.2 and 112-2.2.

ANSI B16.5 - Type Flanges

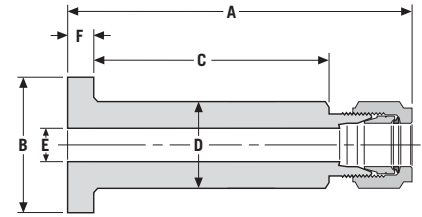
Options

Lapped Flange Connectors

The Lapped Flange Connector is used to allow safe and simple connections between process lines and instruments. The basic, one-piece unit consists of a GYROLOK® tube connection end and a ½" lap joint pipe flange. The flange end is dimensioned to meet ANSI 2500 flange specifications. Available in "Smooth" or "Serrated/Concentric" seal faces, and in 316 stainless steel, HASTELLOY® C-276, or MONEL®.



Lapped Flange Connector CLF (fractional)									
PART NUMBER*	FLANGE SEAL	FINISH	T TUBE O.D.	DIMENSIONS (inch)					
				A	B	C	D	E MIN	F
4CLFA[]	A	3.2–6.3 micrometer (Ra)	¼	3.33	1.38	2.28	0.88	0.19	0.25
4CLFB[]	B	6.3–12.5 micrometer (Ra)							
6CLFA[]	A	3.2–6.3 micrometer (Ra)	3/8	3.34	1.38	2.28	0.88	0.30	0.25
6CLFB[]	B	6.3–12.5 micrometer (Ra)							
8CLFA[]	A	3.2–6.3 micrometer (Ra)	½	3.47	1.38	2.28	0.88	0.42	0.25
8CLFB[]	B	6.3–12.5 micrometer (Ra)							



Lapped Flange Connector CLF/MM (metric)									
PART NUMBER*	FLANGE SEAL	FINISH	T TUBE O.D.	DIMENSIONS (mm)					
				A	B	C	D	E MIN	F
10CLFA[]MM	A	3.2–6.3 micrometer (Ra)	10	84.1	34.9	57.9	22.2	7.1	6.4
10CLFB[]MM	B	6.3–12.5 micrometer (Ra)							

* To specify material, insert BR=brass, 316=stainless steel, M=MONEL®, or HC=HASTELLOY® C-276 in place of the brackets. Example: **4CLFA316**.

Flange Seal "A"



Smooth

Flange Seal "B"



Serrated / Concentric

Dimensions for reference only and subject to change.

GYROLOK® Tube Fittings

See the GYROLOK® Tube Fittings catalog #79002 for product information, assembly instructions, and guarantee of interchangeability with certain other manufacturers.

GYROLOK® components are guaranteed to be interchangeable with certain other suppliers. For more information, visit www.hoke.com or contact your local HOKE® distributor.



For Your Safety

It is solely the responsibility of the system designer and user to select products suitable for their application requirements and to ensure proper installation, operation, and maintenance of these products. Material compatibility, product ratings and application details should be considered in the selection. Improper selection or use of products described herein can cause personal injury or property damage.

ANSI B16.5 - Type Flanges



Assembly Instructions

**0-1/2" (12mm)
MANUAL ASSEMBLY**

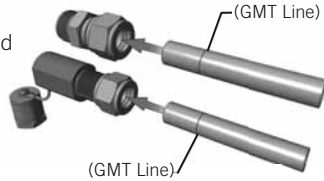
**1/2" – 1" (12mm-25mm)
MANUAL OR HPST ASSEMBLY**
based on installation conditions

**Above 1" (25mm)
HPST ASSEMBLY REQUIRED**
Consult factory as needed

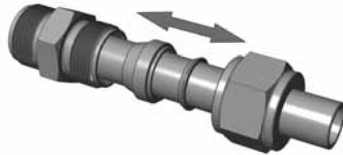
Manual Assembly Instructions

Use of a PST (Manual Pre Setting Tool) is **recommended**.
GYROLOK® Marking Tool (GMT) is **strongly recommended**.

Fully insert a correctly cut, deburred tube into the PST or fitting body until the tube rests on the sizing angle.



Holding the tube in the PST or Body, extract the nut and ferrules to visually ensure both ferrules are correctly oriented.



Once correct ferrule orientation is confirmed, thread & rotate the nut onto the PST or Body until hand-tight. The GMT witness line should **NOT** be visible.



Establish a reference point for wrench tightening by marking both the fitting body and nut.

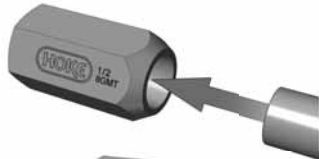


While supporting the PST or fitting body, tighten the nut with a wrench 1 1/4 turns. The pre-set or make-up is now complete. Confirm that the GMT witness line is now visible.



GYROLOK® MARKING TOOL (GMT) INSTRUCTIONS

Insert the correctly cut and deburred tube into the GMT as far as possible.



Mark the tubing as shown with an Ultra-Fine Point, Chloride-Free pen (recommended Sharpie Model 37001). Take care to position the marker perpendicular to the GMT, or insufficient ferrule set could occur.

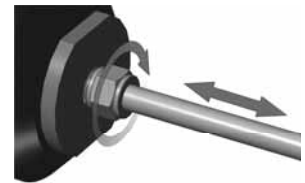


HPST Assembly Instructions

GYROLOK® Marking Tool (GMT) is **strongly recommended**.

Ensure the HPST Tooling Set is installed with the proper indicator nut.

Fully insert a correctly cut, deburred tube into the HPST head. Visually ensure both ferrules are correctly oriented. Thread & rotate the nut until hand-tight.



Set the indicator arm in the operating position by rotating the Indicator Nut counter-clockwise until it stops.



Pump the handle until the indicator arm releases.

CAUTION: Stop pumping immediately after the arm releases, as over-pumping may cause the tube to swell and stick. Pre-setting is now complete.



Insert the end with pre-set ferrules and nut into the fitting. Thread and rotate the nut until hand-tight. While supporting the fitting body, tighten the nut with a wrench 1/2 turn for tubing up to 1" (25mm). For tubing greater than 1" (25mm) 3/4 turn is required. The initial fitting make-up is now complete.



REMAKE INSTRUCTIONS

Firmly insert end with the correctly set ferrules & nut into the fitting. Thread & rotate the nut until hand-tight. The GMT witness line should **NOT** be visible.



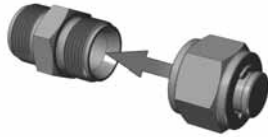
While supporting the fitting body, tighten the nut with a wrench 1/4 turn.



ANSI B16.5 - Type Flanges

PLUGS & PORT CONNECTORS

Remove and discard ferrules. Firmly insert the plug or port connector into the end connection and hand-tighten the nut.

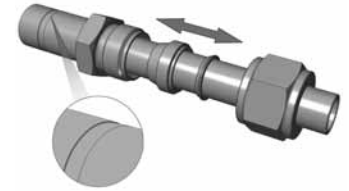


While supporting the fitting body, tighten the nut with a wrench 1/4 turn.



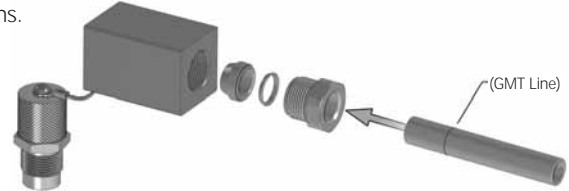
TUBE ADAPTERS & REDUCERS

For this type of fitting please follow the Manual Assembly Instructions.



MALE NUT (INTEGRAL) PST INSTRUCTIONS

For this type of fitting please follow the Manual Assembly Instructions. After PST is used, assemble fitting to body and follow standard Remake Instructions.



Integral GYROLOK® Assembly Instructions (1/2" and below)

MANUAL ASSEMBLY INSTRUCTIONS

1

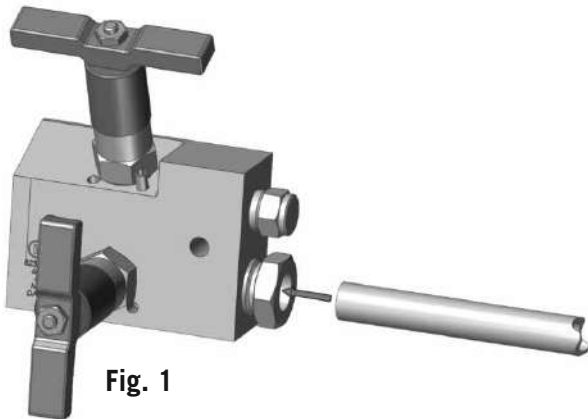


Fig. 1

Fully insert the tube into the manifold body.

2

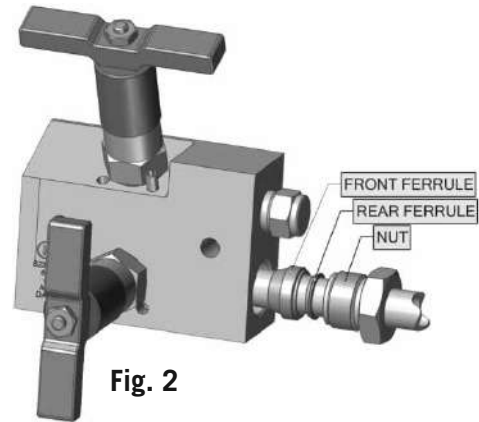


Fig. 2

Holding the tube in place, loosen the nut until it can be pulled over the tube. Extract the ferrules from the manifold body to ensure the front and rear ferrules are in the correct orientation (see Fig. 2). Once correct ferrule orientation is confirmed, slide the nut into place and finger tighten the nut.

3

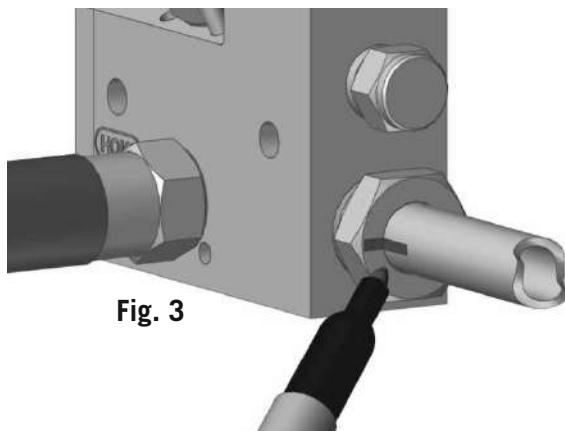


Fig. 3

Make sure the nut is finger-tight and then establish a consistent point for the wrench tightening by marking the tube and nut.

4

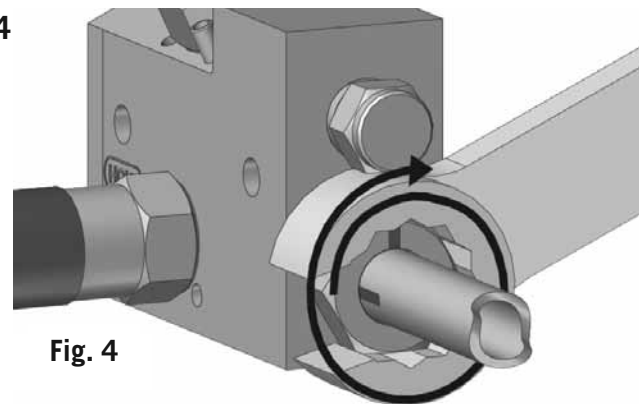
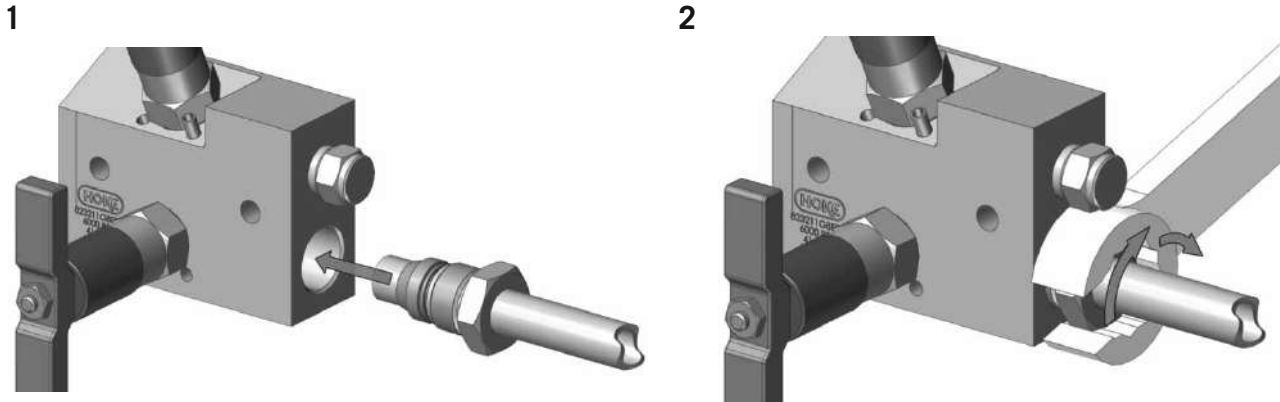


Fig. 4

With the manifold supported use a wrench to turn the nut 1-1/4 turns, clockwise, from the finger-tight position. When finished, the mark line on the nut should be 90 degrees clockwise from the marked line on the tubing. Assembly is complete.

ANSI B16.5 - Type Flanges

REMAKE INSTRUCTIONS



1
Insert the tube with the nut and ferrule assembly attached. Tighten the nut finger-tight.

2
With the manifold supported use a wrench to turn the nut clockwise until there is a sudden rise in torque and then make an additional 1/8 of a turn.



We Care About Your Safety

WARNING

Improper selection or use of products described herein can cause Personal injury or property damage

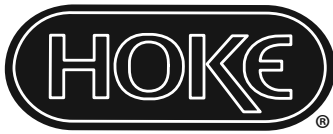
Product information described herein is offered for use by the system designer and user.

It is solely the responsibility of the system designer and user to select products suitable for their specific application requirements and to ensure proper installation, operation and maintenance of these products. Material compatibility, product ratings, and application details should be considered in the selection.

Always contact your local HOKE® Distributor with any questions you may have before pressurizing and operating the product.

Safety Instructions

1. Do not tighten or loosen any part of a fitting or valve when the system is pressurized. Make sure the system is un-pressurized when tightening or loosening a fitting or valve connection.
2. Do not loosen GYROLOK® nut or any product component in order to relieve or bleed down system pressure.
3. Do not exceed pressure-temperature specifications stated in the appropriate catalog.
4. When the application involves use of a toxic or hazardous fluid, exercise extra caution during operation and maintenance.
5. Before assembling new, unused GYROLOK® tube fitting ends, loosen the GYROLOK® nut before inserting the tube to allow full insertion of the tube to the base of the body bore.
6. Always use tubing that is compatible with the fitting or valve material. Tubing appropriate for use with HOKE® products is described in Tubing Data Charts. For example, use 316 Stainless Steel fittings with 316 Stainless Steel tubing.
7. Always leave a length of straight tube between the tube bend and the fitting. A tube bent too close to the fitting connection may be a source of leakage.
8. During assembly of the GYROLOK® tube end, always hold the fitting or valve body with one wrench while separately wrench tightening the GYROLOK® nut. Follow the same precaution when disassembling.
9. Always use a HOKE® tube insert (basic part number "TI") when assembling a GYROLOK® fitting to soft, pilable plastic tubing.
10. Always use proper thread lubricants or sealants on tapered pipe threads. Note that thread sealants may have lower temperature ratings than the basic fitting.
11. When installing an NPT ended valve, hold the valve body near the connection with one wrench, while separately wrench tightening the mating pipe. Turn the pipe, not the valve. Follow the same precaution when disconnecting.
12. Do not hold the valve handle when tightening an end connection.
13. Do not use excessive force to open or close a ball valve e.g. do not use a handle extension.
14. On initial installation, valves may require an adjustment of the packing nut due to storage variations, systems parameters, and cold flow properties of TFE.



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