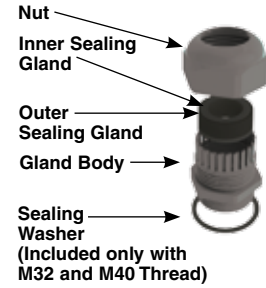
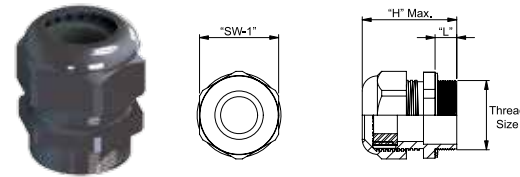


## CABLE GLANDS & PANEL HOLE PLUGS

### CG-M Cable Gland – Metric Thread



#### Specifications:

- Material: Body and Nut: UL94 V-2 Nylon 6  
Sealing Gland: CR / NBR  
O-Ring: NBR
- Color: Black
- Material: Optional CGLN Locking Nut:  
UL94 V-2 Glass Filled Nylon 6
- Color: Black

#### Features:

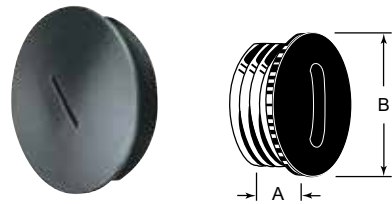
- Protection Class: IP68 - 5 Bar
- Designed for superior sealing; no Sealing Washer is needed for smaller sizes to meet IP68 rating
- Two Sealing Glands are included with all but the M12 thread. Remove the inner sealing gland for larger cable diameters

#### Optional Parts

Item No.	Thread Size	Across Flats		Thickness		Pack Qty.	Bulk Pack Qty.
		In	mm	In	mm		
CGLN-M12-BK	M12	0.339	17.0	0.197	5.0	1	100
CGLN-M16-BK	M16	0.866	22.0	0.197	5.0	1	100
CGLN-M20-BK	M20	1.063	27.0	0.236	6.0	1	100
CGLN-M25-BK	M25	1.260	32.0	0.236	6.0	1	100
CGLN-M32-BK	M32	1.614	41.0	0.276	7.0	1	100
CGLN-M40-BK	M40	1.969	50.0	0.276	7.0	1	50

Item No.	UL Approval	Cable Ø Range Min		Cable Ø Range Max		Thread Size	Mounting Hole		L		SW-1		H Max Ref.		Pack Qty.	Bulk Pack Qty.
		In	mm	In	mm		In	mm	In	mm	In	mm	In	mm		
CG-M12-1-BK	UL	0.079	2.0	0.197	5.0	M12	0.480	12.2	0.315	8.0	0.591	15.0	1.220	31.0	1	100
CG-M16-1-BK	UL	0.118	3.0	0.394	10.0	M16	0.638	16.2	0.315	8.0	0.787	20.0	1.398	35.5	1	100
CG-M20-1-BK	UL	0.197	5.0	0.512	13.0	M20	0.795	20.2	0.315	8.0	0.945	24.0	1.417	36.0	1	100
CG-M25-1-BK	UL	0.315	8.0	0.669	17.0	M25	0.992	25.2	0.315	8.0	1.142	29.0	1.623	43.0	1	50
CG-M32-1-BK	UL	0.472	12	0.827	21.0	M32	1.268	32.2	0.394	10.0	1.417	36.0	1.968	50.0	1	25
CG-M40-1-BK	UL	0.630	16	1.102	28.0	M40	1.583	40.2	0.394	10.0	1.811	46.0	2.008	51.0	1	10

### TBP Metric & PG Threaded Blind Plug



Item No.	Thread Size	A		B Ø		Bulk Pack Qty.	Optional: LockNuts
		In	mm	In	mm		
TBP02A	M12 x 1.5	0.256	6.50	0.630	16.00	100	LNM100B
TBP04A	M16 x 1.5	0.315	8.00	0.787	20.00	100	LNM200B
TBP06A	M20 x 1.5	0.315	8.00	0.984	25.00	100	LNM300B
TBP08A	M25 x 1.5	0.335	8.50	1.181	30.00	100	LNM400B
TBP10A	M32 x 1.5	0.394	10.00	1.496	38.00	50	LNM500B
TBP12A	M40 x 1.5	0.512	13.00	1.850	47.00	50	—
TBP14A	M50 x 1.5	0.551	14.00	2.244	57.00	10	—
TBP16A	M63 x 1.5	0.591	15.00	2.756	70.00	10	—
TBP50A	PG7	0.256	6.50	0.630	16.00	100	LNPG100B
TBP52A	PG9	0.256	6.50	0.748	19.00	100	LNPG200B
TBP54A	PG11	0.256	6.50	0.886	22.50	100	LNPG300B
TBP56A	PG13.5	0.276	7.00	0.992	25.20	100	LNPG400B
TBP58A	PG16	0.315	8.00	1.083	27.50	100	LNPG500B
TBP60A	PG21	0.354	9.00	1.339	34.00	100	LNPG600B
TBP62A	PG29	0.335	8.50	1.756	44.60	50	LNPG700B
TBP64A	PG36	0.433	11.00	2.165	55.00	50	—

#### Optional Parts

Item No.	Thread Size	Across Flats		Bulk Pack Qty.
		In	mm	
LNM100B	M12 X 1.5	0.709	18.00	50
LNM200B	M16 X 1.5	0.866	22.00	50
LNM300B	M20 X 1.5	0.945	24.00	50
LNM400B	M25 X 1.5	1.299	33.00	50
LNM500B	M32 X 1.5	1.614	41.00	10
LNPG100B	PG7	0.669	17.00	50
LNPG200B	PG9	0.866	22.00	50
LNPG300B	PG11	0.945	24.00	50
LNPG400B	PG13.5	1.063	27.00	50
LNPG500B	PG16	1.181	30.00	50
LNPG600B	PG21	1.417	36.00	50
LNPG700B	PG29	1.811	46.00	10

#### Specifications:

- Material: UL94 V-2 Nylon 6/6  
Color: Black
- Temperature Range: Working -40°F to 221°F (-40°C to 105°C) Intermittent up to 300°F (149°C)

#### Features:

- Used to give water tight protection to spare holes that need to be closed off
- Optional: Use locknuts for closing holes without a thread



## ESSENTRA COMPONENTS

## FIBER, WIRE & CABLE MANAGEMENT



### CABLE GLANDS

#### Wire Damage Potential

Wires existing within an enclosure may exit that enclosure to transmit signals to other devices or power units. The entrance and exit points of an enclosure pose real potential for wire damage. External forces pulling on the cable from outside of the enclosure can jeopardize the electrical connection within the unit.

#### Cable Glands are the Solution

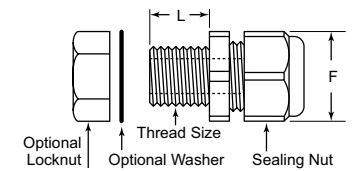
A cable gland is used to attach and grip a cable to the enclosure which provides protection to the electrical connection within the enclosure. By mechanically attaching the cable to the enclosure, now the enclosure absorbs any shock and vibration from environmental forces outside the enclosure.

### CG NPT Cable Glands



#### Specifications:

- Material: UL94 V-2 Nylon 6/6
- Color: See Table
- Temperature Range: Working -40°F to 221°F (-40°C to 105°C)
- Intermittent up to 300°F (149°C)



#### Features:

- Parts designed with AVC – Essentra's variable clamping ranges to fit a wide range of diameters
- IP 68 rated protection – 5 bar
- Provides dust & water-tight performance and strain relief
- EPDM gasket & lock nut are sold separately
- For best results select a gland with the smallest maximum clamping range for your application



Item No.	Thread Size	Mounting Hole		Mounting Thread		Flat Sealing Nut		Variable Clamping Range (Max/Min)			Pack Qty.	Bulk Pack Qty.	
		In	mm	In	mm	In	mm	In	mm	mm			
CG050B	NPT - 1/4"	0.524	13.3	0.354	9.0	0.748	19.0	0.307	0.177	7.8	4.5	1	50
CG175B	NPT - 3/8"	0.681	17.3	0.512	13.0	0.866	22.0	0.394	0.236	10.0	6.0	1	50
CG225B	NPT - 1/2"	0.848	21.6	0.512	13.0	1.063	27.0	0.433	0.276	11.0	7.0	1	50
CG275B	NPT - 3/4"	1.047	26.6	0.512	13.0	1.063	27.0	0.551	0.354	14.0	9.0	1	50
CG325B	NPT - 1"	1.299	33.0	0.512	13.0	1.063	27.0	0.433	0.276	11.0	7.0	1	50
CG350B	NPT - 3/4"	1.061	27.0	0.591	15.0	1.299	33.0	0.630	0.472	16.0	12.0	1	50
CG375B	NPT - 3/4"	1.061	27.0	0.591	15.0	1.299	33.0	0.709	0.551	18.0	14.0	1	50
CG425B	NPT - 1"	1.325	33.7	0.669	17.0	1.654	42.0	0.866	0.630	22.0	16.0	1	10
CG450B	NPT - 1"	1.325	33.7	0.669	17.0	1.654	42.0	0.984	0.709	25.0	18.0	1	10

#### Optional Parts

LNPT - NPT Locknuts					
Locknut Item No.	Thread Size	Flat Locknut		Pack Qty.	Bulk Pack Qty.
		In	mm		
LNPT050B	NPT - 1/4"	0.748	19.0	1	50
LNPT100B	NPT - 3/8"	0.866	22.0	1	50
LNPT200B	NPT - 1/2"	1.063	27.0	1	50
LNPT300B	NPT - 3/4"	1.299	33.0	1	50
LNPT400B	NPT - 1"	1.654	42.0	1	10

CGW - Sealing Washers			
Sealing Gasket Item No.	For Thread Size	Pack Qty.	Bulk Pack Qty.
CGW050A	NPT-1/2"	1	50
CGW100A	NPT-3/8"	1	50
CGW200A	NPT-1/2"	1	50
CGW300A	NPT-3/4"	1	50
CGW400A	NPT-1"	1	10

### CGRA 90° NPT Cable Glands



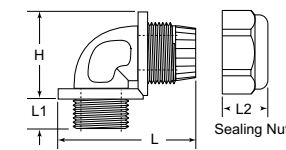
#### Specifications:

- Material: UL94 V-2 Nylon 6/6
- Color: Black
- Temperature Range: Working -40°F to 221°F (-40°C to 105°C) Intermittent up to 300°F (149°C)



#### Features:

- IP 68 rated protection: 5 bar
- Provides dust & water-tight performance and strain relief
- EPDM gasket & lock nut are sold separately



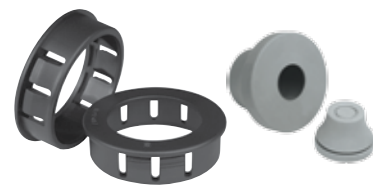
#### Optional Parts

LNPT - NPT Locknuts			
Locknut Item No.	NPT Thread	Pack Qty.	Bulk Pack Qty.
LNPT100B	3/8"	1	50
LNPT200B	1/2"	1	50
LNPT300B	3/4"	1	50
LNPT050B	1-1/4"	1	10

Item No.	NPT Thread	Mounting Hole	Overall Length L		Mounting Thread L1		Nut Length L2		Overall Height H		Variable Clamping Range (Max/Min)			Pack Qty.	Bulk Pack Qty.	
			In	mm	In	mm	In	mm	In	mm	In	mm				
CGRA011A	3/8"	0.687	1.909	48.5	0.461	11.7	0.657	16.7	1.181	30.0	0.197	0.354	5.0	8.0	1	20
CGRA015A	1/2"	0.875	2.031	51.6	0.579	14.7	0.724	18.4	1.228	31.2	0.393	0.512	10.0	13.0	1	20
CGRA018A	3/4"	1.0625	2.539	64.5	0.583	14.8	0.878	22.3	1.638	41.6	0.512	0.630	13.0	16.0	1	20
CGRA020A	1-1/4"	1.687	3.346	85.0	0.740	18.8	1.220	31.0	2.087	53.0	0.866	1.412	22.0	29.0	1	10



## ESSENTRA ALSO CARRIES



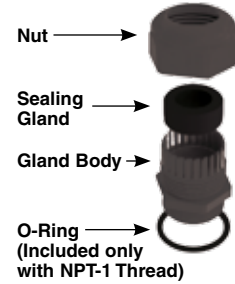
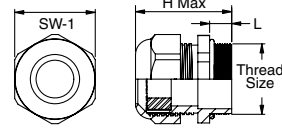
### Snap Bushings and Rubber Grommets

We Are One



## CABLE GLANDS

### CG-NPT NPT Cable Gland



#### Specifications:

- Material: Body and Nut: UL94 V-2 Nylon 6  
Sealing Gland: CR / NBR  
O-Ring: NBR
- Color: Black
- Material: Optional CGLN Locking Nut:  
UL94 V-2 Glass Filled Nylon 6
- Color: Black

#### Features:

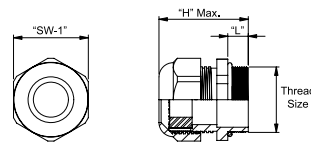
- Protection Class: IP68 - 5 Bar
- Designed for superior sealing; no O-ring is needed for smaller sizes to meet IP68 rating
- Operating temperature: -4°F - 212°F (-20°C -100°C)

Item No.	UL Approval	Cable Ø Range Min		Cable Ø Range Max		Mounting Hole		L		SW-1		H Max Ref.		Pack Qty.	Bulk Pack Qty.	
		In	mm	In	mm	Thread Size	In	mm	In	mm	In	mm	In			mm
CG-NPT-3/8-1-BK	UL	0.118	3.0	0.276	7.0	NPT-3/8	0.670	17.0	0.571	14.5	0.866	22.0	1.750	44.5	1	100
CG-NPT-3/8-2-BK	UL	0.197	5.0	0.394	10.0	NPT-3/8	0.670	17.0	0.571	14.5	0.866	22.0	1.750	44.5	1	100
CG-NPT-1/2-1-BK	UL	0.197	5.0	0.236	9.0	NPT-1/2	0.875	22.2	0.571	14.5	0.945	24.0	1.770	45.0	1	100
CG-NPT-1/2-2-BK	UL	0.276	7.0	0.472	12.0	NPT-1/2	0.875	22.2	0.591	15.0	1.063	27.0	1.870	47.5	1	100
CG-NPT-1/2-3-BK	UL	0.394	10.0	0.551	14.0	NPT-1/2	0.875	22.2	0.591	15.0	1.063	27.0	1.870	47.5	1	100
CG-NPT-3/4-1-BK	UL	0.236	9.0	0.630	16.0	NPT-3/4	1.068	27.1	0.591	15.0	1.299	33.0	2.050	52.0	1	50
CG-NPT-3/4-1-BK	UL	0.551	14.0	0.709	18.0	NPT-3/4	1.068	27.1	0.591	15.0	1.299	33.0	2.050	52.0	1	50
CG-NPT-1-1-BK	UL	0.472	12.0	0.787	20.0	NPT-1	1.350	34.3	0.709	18.0	1.654	42.0	2.380	60.5	1	25
CG-NPT-1-1-BK	UL	0.748	19.0	0.984	25.0	NPT-1	1.350	34.3	0.709	18.0	1.654	42.0	2.380	60.5	1	25

#### Optional Parts

Item No.	Thread Size	Across Flats		Thickness		Pack Qty.	Bulk Pack Qty.
		In	mm	In	mm		
CGLN-NPT-3/8-BK	NPT-3/8	0.866	22.0	0.197	5.0	1	100
CGLN-NPT-1/2-BK	NPT-1/2	1.063	27.0	0.236	6.0	1	100
CGLN-NPT-3/4-BK	NPT-3/4	1.417	36.0	0.276	7.0	1	100
CGLN-NPT-1-BK	NPT-1	1.654	42.0	0.276	7.0	1	100

### CGPG PG Cable Gland



#### Specifications:

- Material: UL94 V-2 Nylon 6/6
- Color: See Table
- Temperature Range: Working -40°F to 221°F (-40°C to 105°C)  
Intermittent up to 300°F (149°C)

#### Features:

- Parts designed with AVC – Essentra's variable clamping ranges to fit a wide range of diameters
- IP 68 rated protection – 5 bar
- Provides dust & water-tight performance and strain relief
- EPDM gasket & lock nut are sold separately

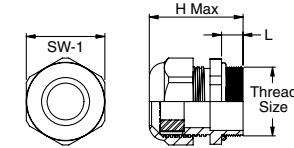
Item No.	Black	Silver Grey	Thread Size	Mounting Hole		Mounting Thread L		Flat Sealing Nut F		Variable Clamping Range (Max/Min)		Pack Qty.	Bulk Pack Qty.	
				In	mm	In	mm	In	mm	In	mm			
CGPG150B	CGPG150G	PG7	0.492	12.5	0.335	8.50	0.748	19	0.307	0.177	7.80	4.50	1	50
CGPG250B	CGPG250G	PG9	0.598	15.2	0.354	9.00	0.748	19	0.307	0.177	7.80	4.50	1	50
CGPG350B	CGPG350G	PG11	0.732	18.6	0.394	10.0	0.866	22	0.394	0.236	10.0	6.00	1	50
CGPG450B	CGPG450G	PG13.5	0.803	20.4	0.394	10.0	0.945	24	0.472	0.276	12.0	7.00	1	50
CGPG550B	CGPG550G	PG16	0.886	22.5	0.433	11.0	1.457	37	0.551	0.354	14.0	9.00	1	50
CGPG650B	CGPG650G	PG21	1.114	28.3	0.492	12.5	1.299	33	0.709	0.551	18.0	14.0	1	50
CGPG750B	CGPG750G	PG29	1.469	37.3	0.472	12.0	1.654	42	0.984	0.709	25.0	18.0	1	10

#### Optional Parts

LNPG – PG Locknuts					CGPW – Sealing Washers					
Locknut Part Number		Flats Locknut		Pack Qty.	Bulk Pack Qty.	Sealing Gasket Part Number	Thread Size	Pack Qty.	Bulk Pack Qty.	
Black	Silver Gray	Thread Size	In							mm
LNPG100B	LNPG100G	PG7	0.669	17.0	1	50	CGPW100A	PG7	1	50
LNPG200B	LNPG200G	PG9	0.866	22.0	1	50	CGPW200A	PG9	1	50
LNPG300B	LNPG300G	PG11	0.945	24.0	1	50	CGPW300A	PG11	1	50
LNPG400B	LNPG400G	PG13.5	1.063	27.0	1	50	CGPW400A	PG13.5	1	50
LNPG500B	LNPG500G	PG16	1.181	30.0	1	50	CGPW500A	PG16	1	50
LNPG600B	LNPG600G	PG21	1.417	36.0	1	50	CGPW600A	PG21	1	50
LNPG700B	LNPG700G	PG29	1.811	46.0	1	10	CGPW700A	PG29	1	10

## CABLE GLANDS

### CG-PG PG Cable Gland

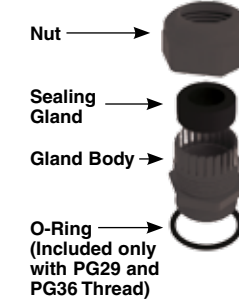


#### Specifications:

- Material: Body and Nut: UL94 V-2 Nylon 6  
Sealing Gland: CR / NBR  
O-Ring: NBR
- Color: Black
- Material: Optional CGLN Locking Nut:  
UL94 V-2 Glass Filled Nylon 6
- Color: Black
- Operating temperature: -4°F - 212°F (-20°C -100°C)

#### Features:

- Protection Class: IP68 - 5 Bar
- Designed for superior sealing; no O-ring needed for smaller sizes to meet IP68 rating

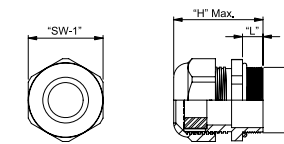


#### Optional Parts

Item No.	Thread Size	Across Flats		Thickness		Pack Qty.	Bulk Pack Qty.
		In	mm	In	mm		
CGLN-PG7-BK	PG7	0.748	19.0	0.197	5.0	1	100
CGLN-PG9-BK	PG9	0.866	22.0	0.197	5.0	1	100
CGLN-PG11-BK	PG11	0.945	24.0	0.197	5.0	1	100
CGLN-PG13.5-BK	PG13.5	1.063	27.0	0.236	6.0	1	100
CGLN-PG16-BK	PG16	1.181	30.0	0.236	6.0	1	100
CGLN-PG21-BK	PG21	1.417	36.0	0.276	7.0	1	100
CGLN-PG29-BK	PG29	1.811	46.0	0.276	7.0	1	100
CGLN-PG36-BK	PG36	2.362	60.0	0.315	8.0	1	50

Item No.	UL Approval	Cable Ø Range Min		Cable Ø Range Max		Thread Size	Mounting Hole		L		SW-1		H Max Ref.		Pack Qty.	Bulk Pack Qty.
		In	mm	In	mm		In	mm	In	mm	In	mm	In	mm		
CG-PG7-1-BK	UL	0.079	2.0	0.197	5.0	PG7	0.500	12.7	0.315	8.0	0.591	15.0	1.201	30.5	1	100
CG-PG7-2-BK	UL	0.118	3.0	0.256	6.5	PG7	0.500	12.7	0.315	8.0	0.591	15.0	1.201	30.5	1	100
CG-PG9-1-BK	UL	0.079	2.0	0.236	6.0	PG9	0.606	15.4	0.315	8.0	0.748	19.0	1.339	34.0	1	100
CG-PG9-2-BK	UL	0.157	4.0	0.315	8.0	PG9	0.606	15.4	0.315	8.0	0.748	19.0	1.339	34.0	1	100
CG-PG11-1-BK	UL	0.118	3.0	0.276	7.0	PG11	0.740	18.8	0.315	8.0	0.866	22.0	1.457	37.0	1	100
CG-PG11-2-BK	UL	0.197	5.0	0.394	10.0	PG11	0.740	18.8	0.315	8.0	0.866	22.0	1.457	37.0	1	100
CG-PG13.5-1-BK	UL	0.236	6.0	0.472	12.0	PG13.5	0.815	20.7	0.354	9.0	0.945	24.0	1.535	39.0	1	100
CG-PG16-1-BK	UL	0.394	10.0	0.551	14.0	PG16	0.898	22.8	0.394	10.0	1.063	27.0	1.673	42.5	1	50
CG-PG21-1-BK	UL	0.236	9.0	0.630	16.0	PG21	1.126	28.6	0.433	11.0	1.299	33.0	1.870	47.5	1	50
CG-PG21-2-BK	UL	0.512	13.0	0.709	18.0	PG21	1.126	28.6	0.433	11.0	1.299	33.0	1.870	47.5	1	50
CG-PG29-1-BK	UL	0.472	12.0	0.787	20.0	PG29	1.472	37.4	0.433	11.0	1.654	42.0	2.087	53.0	1	25
CG-PG36-1-BK	UL	0.787	20.0	1.024	26.0	PG36	1.870	47.5	0.512	13.0	2.087	53.0	2.402	61.0	1	10
CG-PG36-2-BK	UL	0.866	22.0	1.260	32.0	PG36	1.870	47.5	0.512	13.0	2.087	53.0	2.402	61.0	1	10

### CGM Metric Cable Gland



#### Specifications:

- Material: UL 94V-2 Nylon 6/6
- Colors: See Table
- Temperature Range: Working -40°F to 221°F (-40°C to 105°C)  
Intermittent up to 300°F (149°C)

#### Features:

- Parts designed with AVC – Essentra's variable clamping ranges to fit a wide range of diameters
- IP 68 rated protection: 5 bar
- Provides dust & water-tight performance and strain relief
- EPDM gasket & lock nut are sold separately
- For best results select a gland with the smallest maximum clamping range for your application

Item No.	Black	Silver Grey	Thread Size	Mounting Hole		Mounting Thread L		Flat Sealing Nut F		Variable Clamping Range (Max/Min)		Pack Qty.	Bulk Pack Qty.	
				In	mm	In	mm	In	mm	In	mm			
CGM150B	CGM150G	M12 X 1.5	0.472	12.0	0.354	9.00	0.748	19.0	0.307	0.177	7.80	4.50	1	50
CGM250B	CGM250G	M16 X 1.5	0.630	16.0	0.394	10.0	0.748	19.0	0.307	0.177	7.80	4.50	1	50
CGM325B	CGM325G	M20 X 1.5	0.787	20.0	0.394	10.0	0.866	22.0	0.394	0.236	10.0	6.00	1	50
CGM350B	CGM350G	M20 X 1.5	0.787	20.0	0.394	10.0	1.063	27.0	0.551	0.354	14.0	9.00	1	50
CGM425B	CGM425G	M25 X 1.5	0.984	25.0	0.472	12.0	1.063	27.0	0.551	0.354	14.0	9.00	1	50
CGM450B	CGM450G	M25 X 1.5	0.984	25.0	0.591	15.0	1.299	33.0	0.709	0.551	18.0	14.0	1	50
CGM550B	CGM550G	M32 X 1.5	1.260	32.0	0.591	15.0	1.654	42.0	0.866	0.630	22.0	16.0	1	10

#### Optional Parts

LNM – Metric Locknuts					CGMW – Sealing Washers				
Locknut Part Number		Flats Locknut		Pack Qty.	Bulk Pack Qty.	Sealing Gasket Part Number	Thread Size	Pack Qty.	Bulk Pack Qty.
Black	Silver Gray								