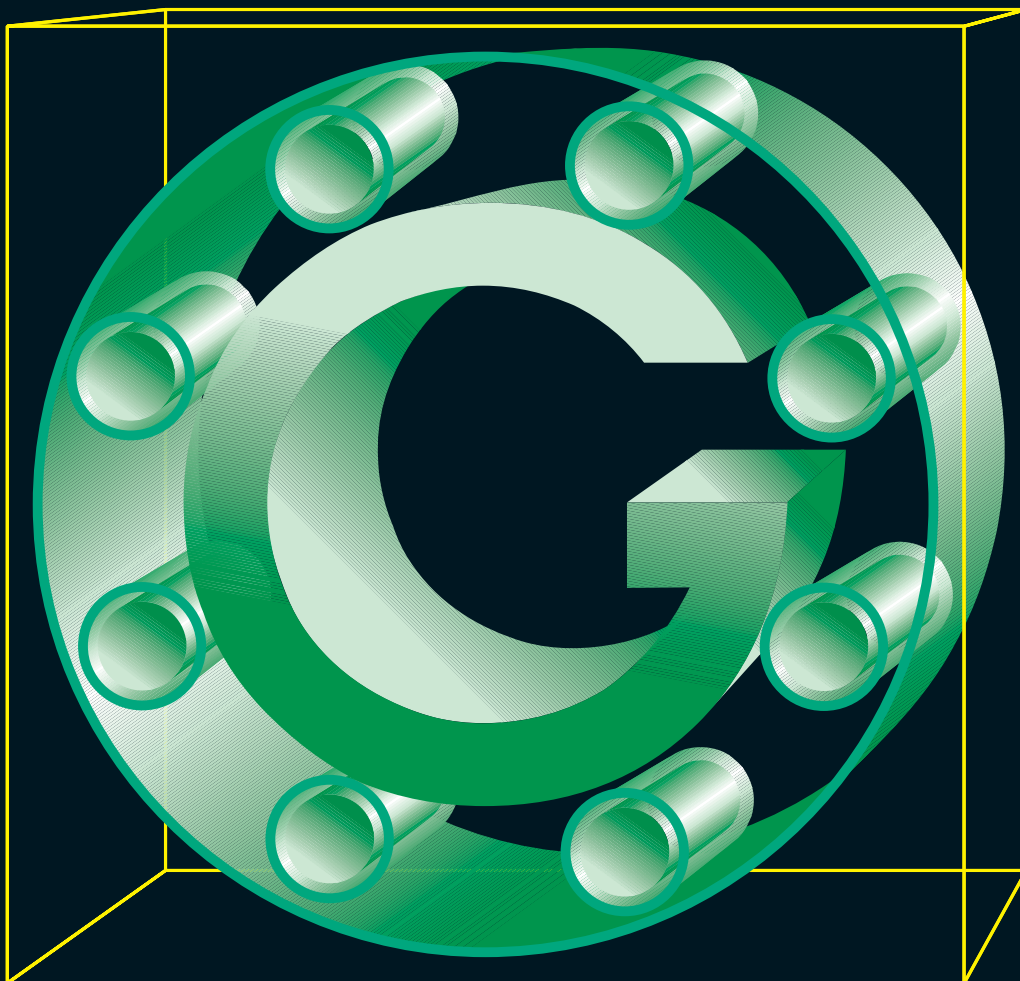




GALPERT ENGINEERING

and Flow Control

The Original®



CLAMP CONNECTORS





GALPERTI ENGINEERING AND FLOW CONTROL s.r.l.
 ZONA INDUSTRIALE - 23823 COLICO (LC) - ITALY
 TEL. 00 39 0341 930780 - FAX 00 39 0341 930777
 E-mail: galpeng@galpeng.com - www.galperti.com

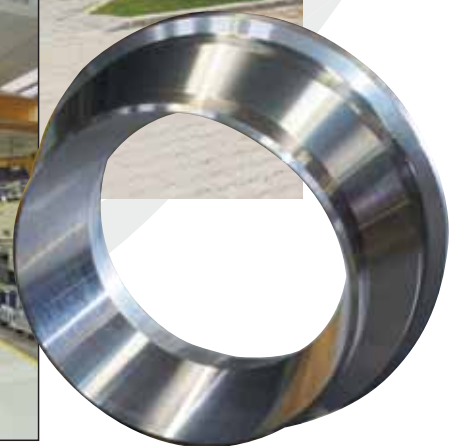
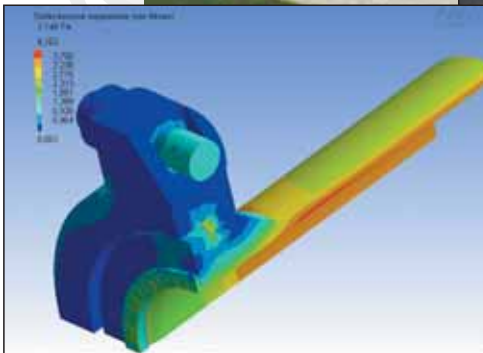
OFFICINE NICOLA GALPERTI E FIGLIO S.p.A.
 22010 GERA LARIO (CO) - LOCALITÀ S. AGATA - ITALY
 TEL. 00 39 0344 97200 - FAX 00 39 0344 97210
 E-mail: galperti@galperti.com - www.galperti.com

GALPERTI INC.
 160 SOUTHBELT INDUSTRIAL DRIVE
 HOUSTON, TEXAS 77047
 TEL. +1-713-4330700 - FAX +1-713-4335580
 E-mail: galpmail@galperti-am.com

GALPERTI TECH s.r.l.
 ZONA INDUSTRIALE - 23823 COLICO (LC) - ITALY
 TEL. 00 39 0341 930186 - FAX 00 39 0341 930252
 E-mail: galptech@galptech.com



Engineering Solutions...



GALPERTI ENGINEERING is an International Company whose business is the design, manufacture and supply of high integrity connectors, forged fittings and flow control products.

Oil, Gas, Power and Petrochemical Companies utilize our products in a variety of applications, where often complex technical problems can now be solved cost effectively.

In order to focus our effort upon our Customer requirements, GALPERTI ENGINEERING offer a total design and manufacturing capability, from our dedicated in-house forge through to finished product, a unique feature in today's ever demanding global marketplace.

The G-LOK® Connector has an established record throughout the world, meeting or exceeding all current industry codes and standards.

Our facility is accredited with ISO 9001 and our products meet all current industry standards.

The G-LOK® Clamp Connector is a fully proven alternative to the conventional flanged connection used throughout the oil, gas, petrochemical and power generation industries. Produced in a comprehensive range of sizes and materials they offer versatility, compactness, weight and cost effectiveness in connecting piping system.

The Connector is designed to meet ANSI B 16.5, ASME VIII, API 6A/Q1 and other design codes. The design has the approval of Lloyds, DNV and Stoomwezen. Fully fire tested in accordance with API 6FB parts 1 and 2. Also gas tested to meet all aspects of ASME B31.3 Chapter IX (e.g. 1400 bar at 180°C Gas test with bending).

Clamp Connectors offer:

- Easy Assembly
- Compact Construction
- Reduced Weight
- Metal to metal sealing technology – re-usable
- Flexibility
- Full Design approval



Quality Type Approval & Testing

EXTERNAL LOADING

Tension



The G-LOK® connector is capable of withstanding higher tensile loads than a conventional ANSI flange. Tensile loads can cause conventional flange faces to separate, providing a leak path across the flange face. With the pressure energised bore seal, this does not occur and the G-LOK® connector will remain leak tight.

Bending

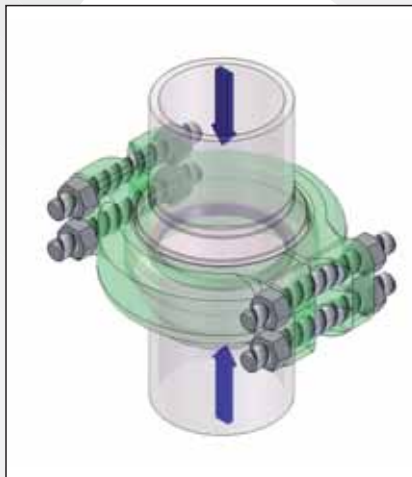


G-LOK® connectors are designed to withstand severe bending loads without leaking or loosening. Independent tests evaluating G-LOK® clamp connectors have shown that even under severe pressure and bending conditions, the connector does not leak and the bolting remains tight.

Increasing the bending moment to

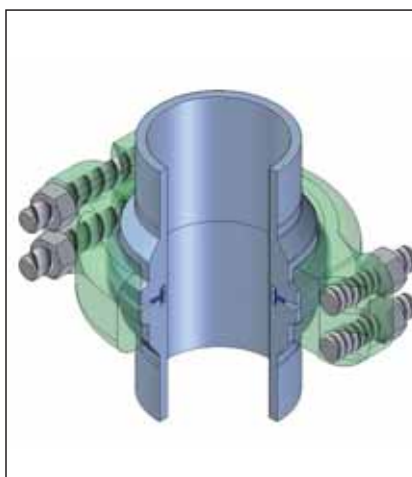
ultimate failure of the pipe has not resulted in connector leakage. For application with high bending loads hubs can be offered with recessed seal.

Compression



As in most cases the bearing area of the sealing rib is larger than the cross section of the adjoining pipe it becomes impossible to over compress the sealing within the G-LOK® connector. For normal piping applications, the compressive limits are governed by other factors such as piping flexibility analysis or anchor loads and in practice the G-LOK® connector will always perform under the applied compressive loading.

Thermal Shock



G-LOK® connectors have been applied to both Cryogenic and high temperature service which are subject to thermal transient conditions.

For very severe thermal shock (i.e. quenching), the connectors can be provided with thermal shrouds to protect the sealing lips from the full effects of the thermal shock. The shrouded configuration also offers protection of the seal ring from erosive flow.

QUALITY ASSURANCE

GALPERTI ENGINEERING has been successfully audited and awarded the prestigious BS EN ISO 9001 accreditation for its thorough Quality Assurance Programme.

This ensures strict compliance with all relevant Regulatory Specifications and codes including ANSI, API, ASME, BS, NACE. Material specifications for ASTM and BS are adhered to, and full traceability of all components is assured.

Using the latest CNC machine tools in a modern factory environment, manufacturing is carried out in accordance with all current specifications.

G-LOK® connectors, in addition to meeting the current Industry Standards for Interchangeability, can be supplied in accordance with various design codes/regulations including:

- ◆ ANSI/ASME
- ◆ API
- ◆ BS 5500
- ◆ UK Offshore Regulations
- ◆ Customers' special requirements
- ◆ Country Codes

TYPE APPROVAL TESTING

The G-LOK® range of connectors has been subjected to extensive strain gauge and destructive testing and has been awarded full design approval by Lloyd's Register.



Quality Type Approval & Testing

API 6FB FIRE TESTING - ASME B 31.3 CHAPTER IX GAS TEST

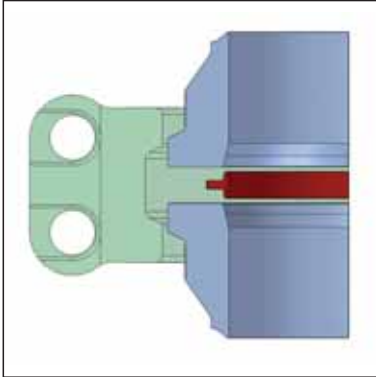
The need for correct analysis of product performance is a prerequisite when specifying pipe connectors. Having successfully completed strain gauge testing under full load conditions, fire testing to API 6FB parts 1 and 2 and full gas testing under the conditions of ASME B 31.3 CHAPTER IX GAS at temperature plus bending, the G-LOK® range of clamp connectors suits most applications.

Independent testing and witnessing, resulting in Lloyds Register Type Approval, coupled with extensive Finite Element Analysis during the fire test programme, affords clients one of the most comprehensively tested clamp connector available.

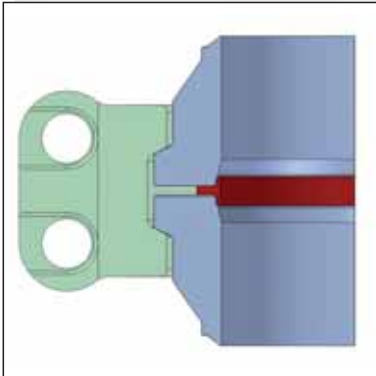




G-LOK® – The Advantages



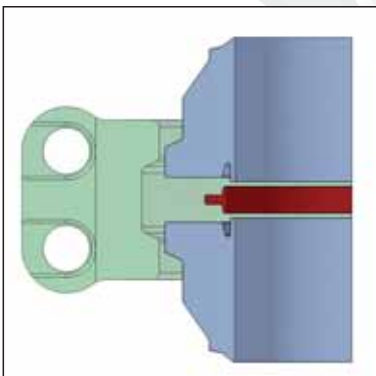
G-LOK® std free position



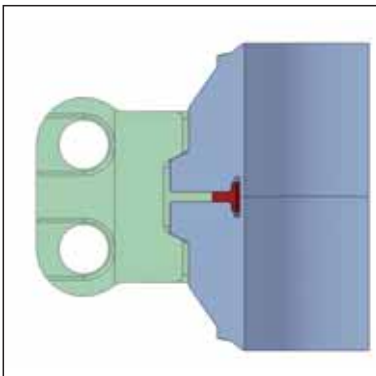
G-LOK® std made-up position

torque is required for proper seating of the seal.

The design of the connector provides considerable stored energy in the system when compared with ANSI or API flanges. This stored energy works to provide leak resistance during thermal cycling and maintains proper bolt loading.



G-LOK® shrouded free position



G-LOK® shrouded made-up position

The G-LOK® Connector is designed to offer the strength and sealing integrity of a welded joint and the versatility of a mechanical joint. It serves the same purpose as a bolted flange assembly, with the advantages of being more easily installed, lighter and smaller.

A self-energized, pressure activated connection, the G-LOK® clamp-type connector consists of four basic elements:

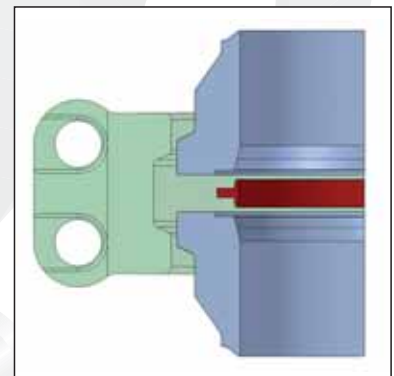
- (1) Hub
- (2) Clamps
- (3) Seal
- (4) Bolting

The hubs are usually welded to pipe; the seal is installed and the bolting is tightened on the clamps to form a pipe connector that provides superior strength and leak integrity. The G-LOK® is commonly used in service with temperatures of up to 650°C. The G-LOK® also excels in high pressure applications, where working pressure of 30,000 psi is not uncommon.

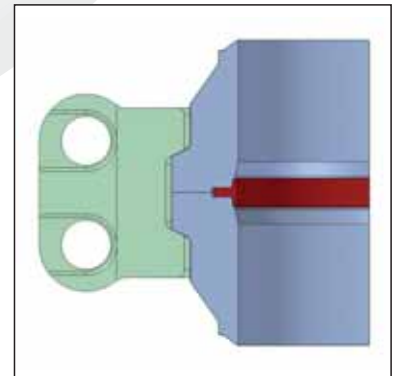
The G-LOK® clamp has been designed for the optimum strength of a bolted connection. Since the bolts are perpendicular to the axis of the pipe, they do not receive direct bending and pressure loads. This system of clamping provides greater strength than ANSI or API flanges at a fraction of the seal size and weight as a result of this design. Less bolting

is required for proper seating of the seal. The design of the connector provides considerable stored energy in the system when compared with ANSI or API flanges. This stored energy works to provide leak resistance during thermal cycling and maintains proper bolt loading.

When properly installed, the G-LOK® will usually provide greater bending and torsional strength than the connecting pipe. The full face contact of the connector resists bending and ensures rigidity not provided by other clamp-type connectors. The pressure and temperature limitations are determined only by the materials of construction.



G-LOK® recessed free position



G-LOK® recessed made-up position

HOW THE G-LOK® CONNECTORS SEALS

The seal ring in the G-LOK® resembles a "T" in cross section. The base of the "T" is the rib that is held by abutting hub faces as the connection is made up. The top of the "T" forms the lips that seal against the inner surfaces of the hubs.

In the assembly of the connection, the clamps fit over the two hubs, and as they draw the hubs together the seal ring rib ensures proper seal alignment.

As the hubs are drawn together by the clamp assembly, the seal ring lips deflect against the inner sealing surfaces of the hubs. This deflection elastically loads the lips of the seal ring against the inner sealing surface of the hub, forming the self-energized seal. Internal pressure reinforces this seal, so the sealing action of the G-LOK® is both self-energized and pressure energized.

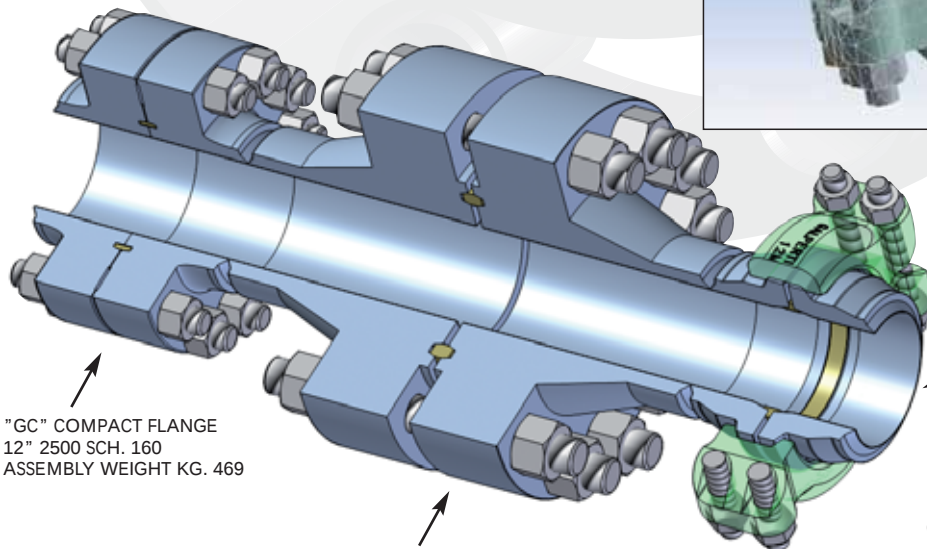
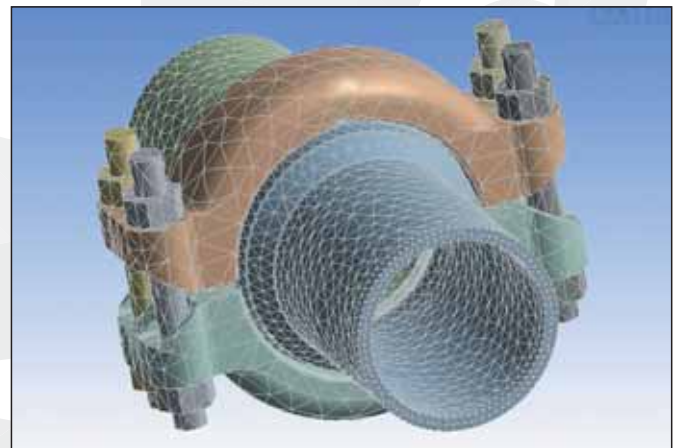
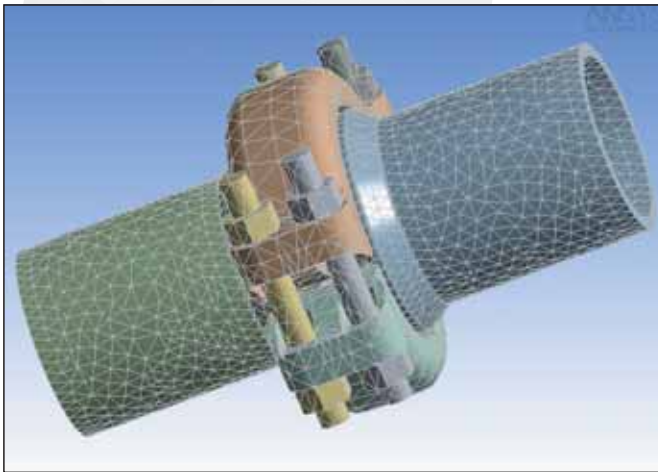
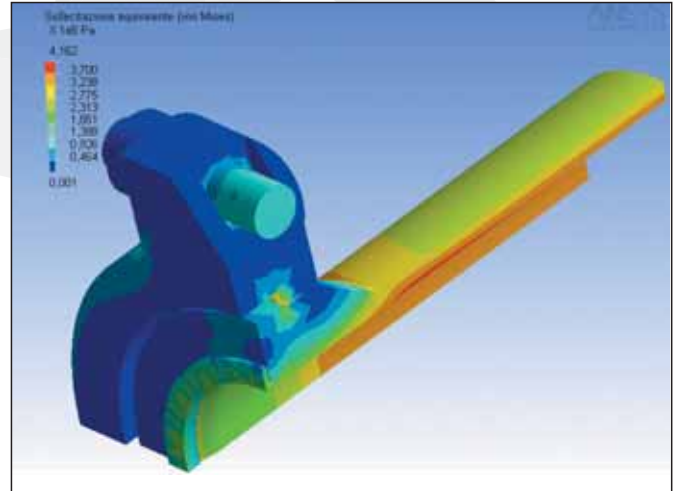
G-LOK® clamp connectors are interchangeable with other connectors designed and manufactured according to the same standard.



Designed To Withstand Severe Conditions

The G-LOK® connector has been designed for many different critical service applications. Many of these involve rapid cyclic operating conditions over extended periods of time, with various combinations of both pressure and temperature. To ensure compliance with the applicable design codes with regard to these severe thermal and pressure excursions, G-LOK® utilizes state of the art engineering technology.

Finite Element Analysis (FEA) allows the detailed examination of all connector elements under these varying conditions.



"GC" COMPACT FLANGE
12" 2500 SCH. 160
ASSEMBLY WEIGHT KG. 469

WELDING NECK FLANGE
12" 2500 RTJ SCH. 160 ANSI B 16.5
ASSEMBLY WEIGHT 1710 KG

G-LOK® HUB TYPE 12M102
(12" SCH. 160)
G-LOK® CLAMP TYPE 12M
G-LOK® SEAL RING TYPE 102
ASSEMBLY WEIGHT KG 270

G-LOK® CONNECTORS VS ANSI FLANGE

The G-LOK® clamp connection has a significantly smaller diameter and a shorter length than that a comparably rated ANSI or API ring joint flange connection, reducing weight and space required for make-up.

The G-LOK® is especially well suited to systems that require close piping and hookup arrangements. As there are no bolt holes to align, the G-LOK® clamp may be rotated to conveniently locate the bolts for easy assembly and disassembly of the connections.

G-LOK® CONNECTORS VS FLANGES

SIZE	G-LOK® ASSEMBLY WEIGHT KG.	ANSI FLANGES 1500# ASSEMBLY WEIGHT KG.
2"	9	27
3"	18	50
4"	24	74
6"	62	175
8"	100	300
10"	190	485
12"	280	730
16"	560	1.370

WEIGHTS GIVEN ARE APPROXIMATE PER COMPLETE CONNECTION



Sizing Selection

HOW TO SELECT THE G-LOK® CONNECTOR

1) Determine the following information needed to correctly size the G-LOK® connector:

- Maximum Service Pressure and Temperature (Your Design Conditions)
- The engineering or industry code your project has specified. (ASME VIII, B31.3, etc.)
- Pipe size and schedule or the I.D. and O.D. of the weld end.
- Your piping material.

2) Refer to the tables in this catalogue:

- Locate your pipe size and schedule in the Butt weld hub table on pages 16 to 23, then read across to the corresponding hub size (third column). As an example, the 12" schedule 160 Pipe requires a G-LOK® Hub size 12M102. Also note that this chart has weights and dimensions for this hub and for most popular hub sizes.
- The G-LOK® number 12M102 designates the correct clamp, bolting and seal ring sizes for this connection. The first number refers to the pipe and clamp size, in our example the pipe size is 12" and the clamp would be the 12M. More information on the clamp can be located in the Clamp table on page 26 to 27.
- The final set of figures is the G-LOK® seal for this connection (in our example this would be a 102). The G-LOK® seal chart is located on page 24 to 25.

3) Finally, refer to the pressure-temperature rating charts, on pages 28 to 35, to ensure that the selected G-LOK® connector meets the design pressure and temperature requirements for the code to which it is being specified.

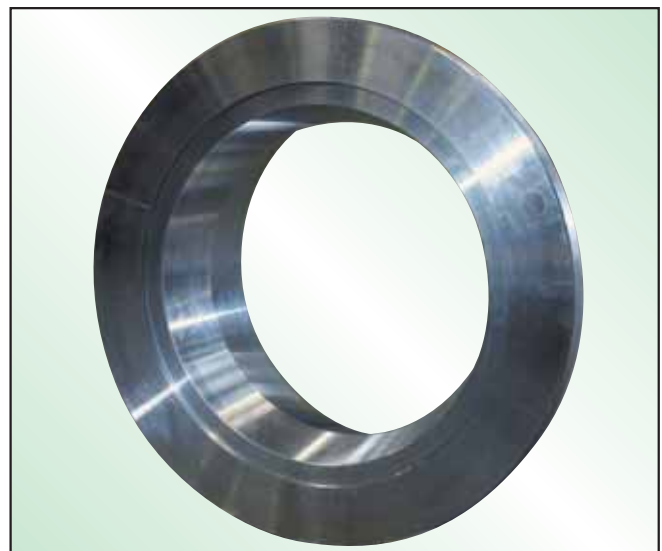
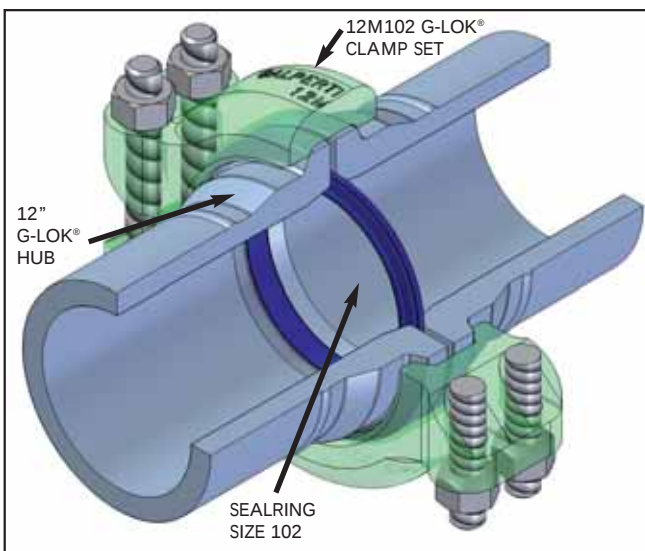
The standard line of G-LOK® connectors and products are available in materials and sizes to fit nearly any requirement. But if your requirements, pipe size, material or design conditions, are not covered by one of our charts, please contact Galperti Engineering. We have an engineering and design staff ready to help you solve your most demanding needs.

HOW TO ORDER THE G-LOK® CONNECTOR

After following the selection procedures the information necessary for ordering G-LOK® connectors is the quantity, the hub number and material, the seal number and seal material, and the clamp number and clamp material.

A G-LOK® assembly consists of the following:

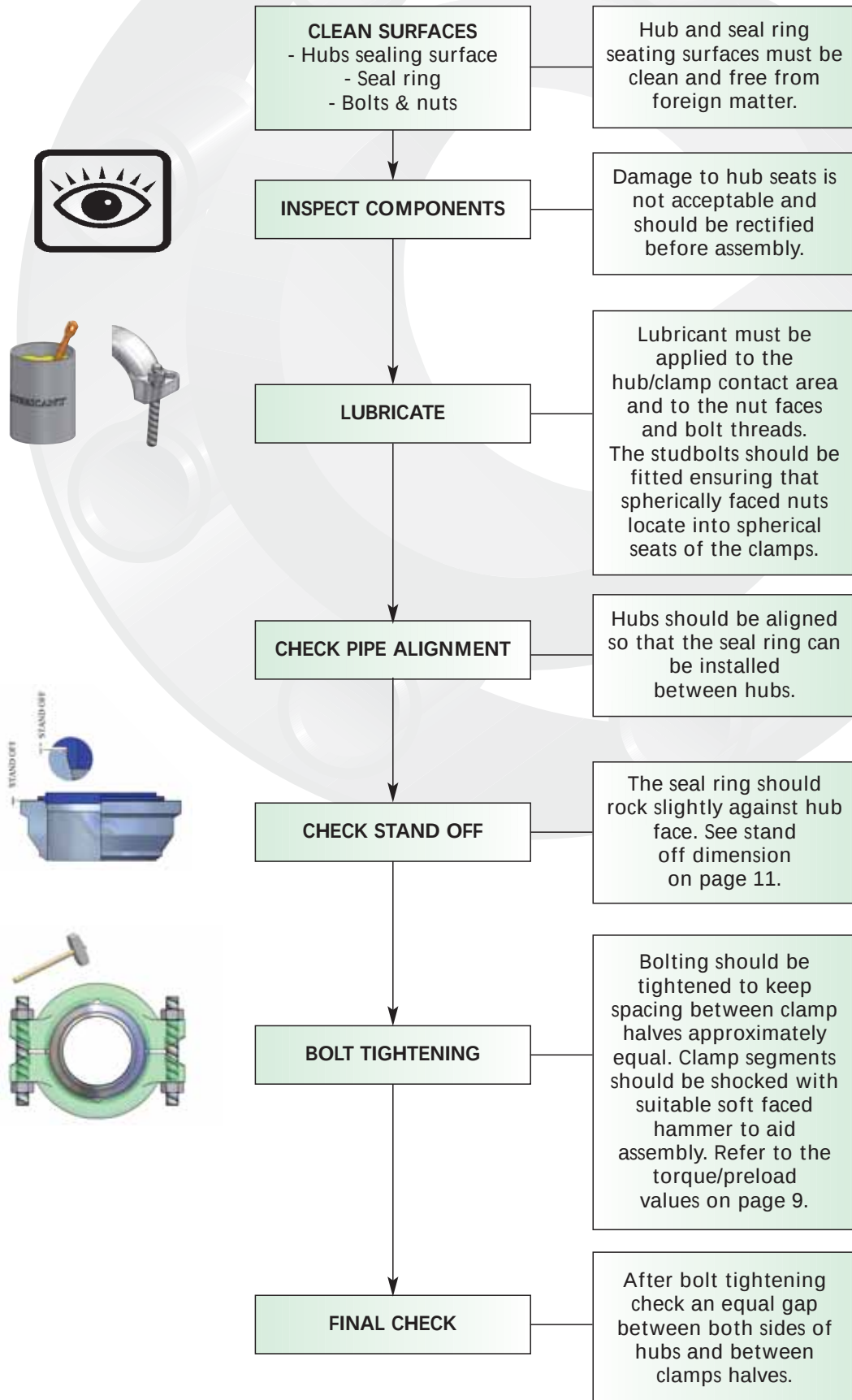
- Two G-LOK® Hubs
- One G-LOK® Clamp Set, with four studs and eight nuts (Spherical washer available on request)
- One G-LOK® Seal Ring





Assembly and Disassembly

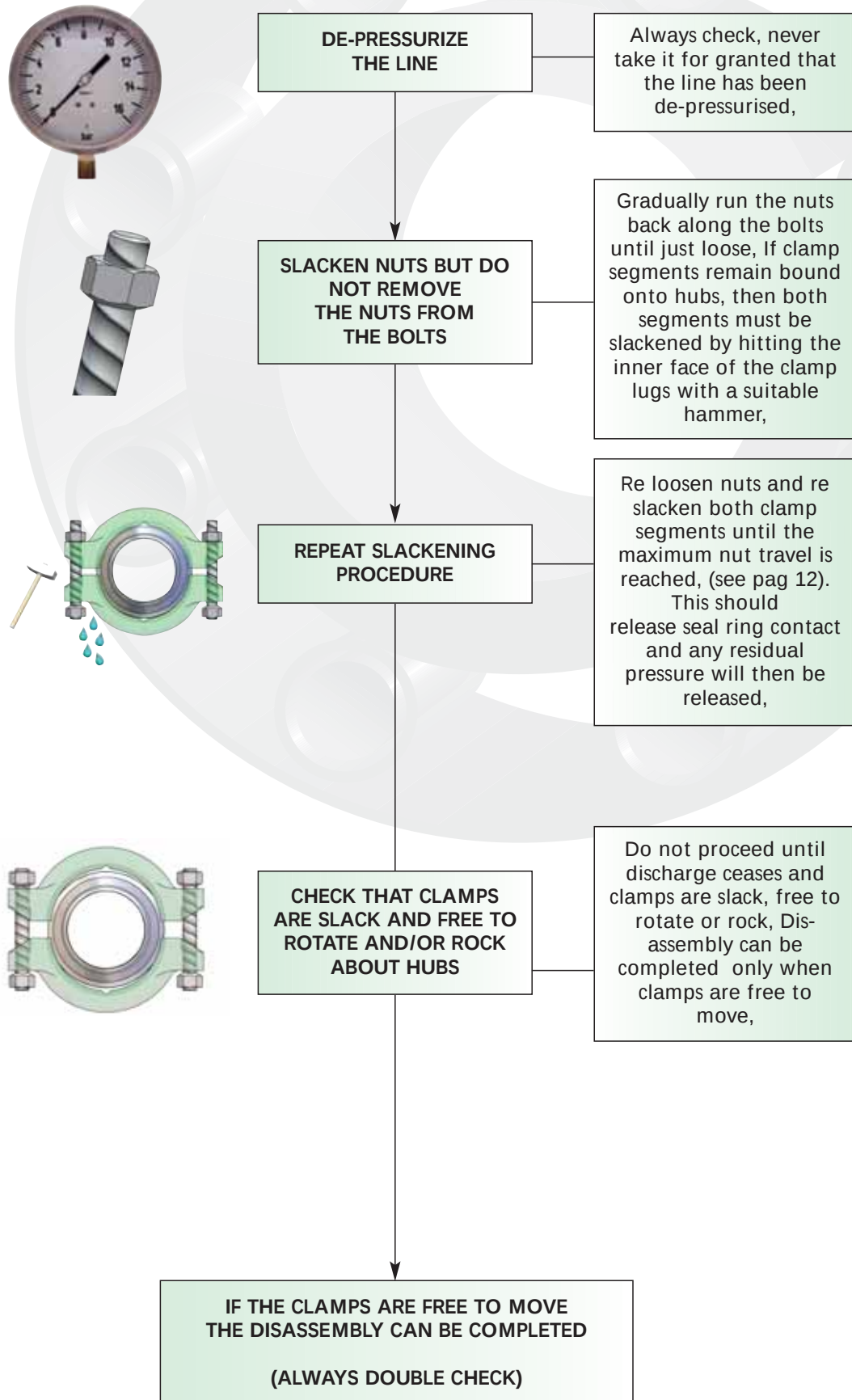
ASSEMBLY





Assembly and Disassembly

DISASSEMBLY





Assembly and Disassembly

BOLTING UP TENSION AND TORQUE VALUES



CLAMP SIZE	PIPE SIZE	BOLT SIZE	RECOMMENDED BOLT TENSION RESIDUAL (kN)	MAXIMUM BOLT TENSION RESIDUAL (kN)	RECOMMENDED BOLT TORQUE u=0,10 (Nm)	MAXIMUM BOLT TORQUE u=0,10 (Nm)
1	1"	1/2"	8.3	12.4	20	29
1.5	1.5"	5/8"	22	33	59	87
2	2"	3/4"	24	36	57	83
B	2"	7/8"	47	69	163	241
3	3"	3/4"	34	49	79	116
C	3"	7/8"	47	69	163	241
4	4"	7/8"	47	69	163	241
D	4"	1"	63	92	225	327
5	5"	1"	63	92	225	327
E	6"	1"	63	92	225	327
6	6"	1-1/8"	81	119	351	517
F	6"	1-1/8"	81	119	351	517
XF	6"	1-1/4"	103	152	486	716
ZX	6"	1-1/4"	103	152	486	716
G	6"	1-3/8"	129	189	652	961
XG	6"	1-3/8"	129	189	652	961
8	8"	1-1/4"	103	152	486	716
X8	8"	1-3/8"	129	189	652	961
10H	10"	1-5/8"	187	275	1089	1604
X10H	10"	1-3/4"	220	324	1376	2013
12M	12"	1-3/4"	220	324	1376	2013
X12M	12"	2"	295	435	2054	3024
14	14"	1-5/8"	187	275	1089	1604
X14	14"	1-5/8"	187	275	1089	1604
R	14"	1-7/8"	248	367	1558	2279
A-P	14"	2"	295	435	2054	3024
5P	14"	2-1/2"	478	703	4048	5961
16	16"	1-3/4"	220	324	1376	2013
X16	16"	1-3/4"	220	324	1376	2013
T	16"	2"	295	435	2054	3024
S	16"	2-1/2"	478	703	4048	5961
18	18"	1-7/8"	248	367	1558	2279
X18	18"	1-7/8"	248	367	1558	2279
U	18"	2-1/2"	478	703	4048	5961
20	20"	2"	295	435	2054	3024
X20	20"	2"	295	435	2054	3024
V	20"	2-1/4"	398	583	2690	4328
3V	20"	2-1/4"	398	583	2690	4328
5V	20"	2-1/2"	478	703	4048	5961
W	22"	2-1/4"	398	583	2690	4328
3W	22"	2-1/2"	478	703	4048	5961
24	24"	2-1/4"	398	583	2690	4328
X24	24"	2-1/4"	398	583	2690	4328
Y	24"	2-3/4"	505	802	4515	7182
3Y	24"	3-1/4"	833	1227	8963	12006
28	28"	3-1/4"	833	1227	8963	12006
30	30"	3-1/4"	833	1227	8963	12006
32	32"	3-1/4"	833	1227	8963	12006
34	34"	3-1/4"	833	1227	8963	12006
36	36"	3-1/4"	833	1227	8963	12006

Note:

- Bolt material: ASTM A193 B7

- In case of friction coefficient different from 0,1 or different bolt material please contact our technical department



Assembly and Disassembly

BOLTING UP TENSION AND TORQUE VALUES

CLAMP SIZE	PIPE SIZE	BOLT SIZE	RECOMMENDED BOLT TENSION RESIDUAL (klb)	MAXIMUM BOLT TENSION RESIDUAL (klb)	RECOMMENDED BOLT TORQUE u=0,10 (lb ft)	MAXIMUM BOLT TORQUE u=0,10 (lb ft)
1	1"	1/2"	1.87	2.79	14.8	21.4
1.5	1.5"	5/8"	4.95	7.42	43.5	64.2
2	2"	3/4"	5.40	8.09	42.1	61.3
B	2"	7/8"	10.6	15.5	120.3	177.9
3	3"	3/4"	7.64	11.02	58.3	85.6
C	3"	7/8"	10.6	15.5	120.3	177.9
4	4"	7/8"	10.6	15.5	120.3	177.9
D	4"	1"	14.2	20.7	166.1	241.3
5	5"	1"	14.2	20.7	166.1	241.3
E	6"	1"	14.2	20.7	166.1	241.3
6	6"	1-1/8"	18.2	26.8	259.0	381.5
F	6"	1-1/8"	18.2	26.8	259.0	381.5
XF	6"	1-1/4"	23.2	34.2	358.7	528.4
ZX	6"	1-1/4"	23.2	34.2	358.7	528.4
G	6"	1-3/8"	29.0	42.5	481.2	709.2
XG	6"	1-3/8"	29.0	42.5	481.2	709.2
8	8"	1-1/4"	23.2	34.2	358.7	528.4
X8	8"	1-3/8"	29.0	42.5	481.2	709.2
10H	10"	1-5/8"	42.0	61.8	803.7	1183.8
X10H	10"	1-3/4"	49.5	72.8	1015.5	1485.6
12M	12"	1-3/4"	49.5	72.8	1015.5	1485.6
X12M	12"	2"	66.3	97.8	1515.9	2231.7
14	14"	1-5/8"	42.0	61.8	803.7	1183.8
X14	14"	1-5/8"	42.0	61.8	803.7	1183.8
R	14"	1-7/8"	55.8	82.5	1149.8	1681.9
A-P	14"	2"	66.3	97.8	1515.9	2231.7
5P	14"	2-1/2"	107.5	158.0	2987.4	4399.2
16	16"	1-3/4"	49.5	72.8	1015.5	1485.6
X16	16"	1-3/4"	49.5	72.8	1015.5	1485.6
T	16"	2"	66.3	97.8	1515.9	2231.7
S	16"	2-1/2"	107.5	158.0	2987.4	4399.2
18	18"	1-7/8"	55.8	82.5	1149.8	1681.9
X18	18"	1-7/8"	55.8	82.5	1149.8	1681.9
U	18"	2-1/2"	107.5	158.0	2987.4	4399.2
20	20"	2"	66.3	97.8	1515.9	2231.7
X20	20"	2"	66.3	97.8	1515.9	2231.7
V	20"	2-1/4"	89.5	131.1	1985.2	3194.1
3V	20"	2-1/4"	89.5	131.1	1985.2	3194.1
5V	20"	2-1/2"	107.5	158.0	2987.4	4399.2
W	22"	2-1/4"	89.5	131.1	1985.2	3194.1
3W	22"	2-1/2"	107.5	158.0	2987.4	4399.2
24	24"	2-1/4"	89.5	131.1	1985.2	3194.1
X24	24"	2-1/4"	89.5	131.1	1985.2	3194.1
Y	24"	2-3/4"	113.5	180.3	3332.1	5300.3
3Y	24"	3-1/4"	187.3	275.8	6614.7	8860.4
28	28"	3-1/4"	187.3	275.8	6614.7	8860.4
30	30"	3-1/4"	187.3	275.8	6614.7	8860.4
32	32"	3-1/4"	187.3	275.8	6614.7	8860.4
34	34"	3-1/4"	187.3	275.8	6614.7	8860.4
36	36"	3-1/4"	187.3	275.8	6614.7	8860.4

Note:

- Bolt material: ASTM A193 B7

- In case of friction coefficient different from 0,1 or different bolt material please contact our technical department



Assembly and Disassembly

STAND OFF VALUES

SEAL RING SIZE	STAND-OFF NOMINAL		STAND-OFF FOR RE-USE	
	(mm)	(inch)	(mm)	(inch)
4	0.40	0.016	0.20	0.008
5	0.40	0.016	0.20	0.008
7	0.45	0.018	0.23	0.009
8	0.45	0.018	0.23	0.009
11	0.45	0.018	0.23	0.009
13	0.47	0.019	0.24	0.009
14	0.50	0.020	0.25	0.010
16	0.50	0.020	0.25	0.010
20	0.55	0.022	0.28	0.011
23	0.60	0.024	0.30	0.012
25	0.60	0.024	0.30	0.012
27	0.65	0.026	0.33	0.013
31	0.70	0.028	0.35	0.014
34	0.75	0.030	0.38	0.015
40	0.80	0.031	0.40	0.016
42	0.80	0.031	0.40	0.016
46	0.90	0.035	0.45	0.018
52	0.90	0.035	0.45	0.018
53	0.89	0.035	0.45	0.018
54	0.89	0.035	0.45	0.018
56	0.90	0.035	0.45	0.018
62	1.10	0.043	0.55	0.022
64	1.00	0.039	0.50	0.020
67	1.10	0.043	0.55	0.022
72	1.10	0.043	0.55	0.022
73	1.11	0.044	0.56	0.022
74	1.11	0.044	0.56	0.022
76	1.20	0.047	0.60	0.024
82	1.35	0.053	0.68	0.027
84	1.20	0.047	0.60	0.024
87	1.20	0.047	0.60	0.024
91	1.20	0.047	0.60	0.024
92	1.41	0.056	0.71	0.028
94	1.40	0.055	0.70	0.028
97	1.50	0.059	0.75	0.030
102	1.70	0.067	0.85	0.033
106	1.70	0.067	0.85	0.033
112	1.40	0.055	0.70	0.028
114	2.23	0.088	1.12	0.044
116	1.37	0.054	0.69	0.027

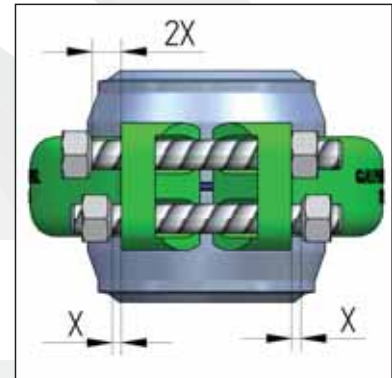
SEAL RING SIZE	STAND-OFF NOMINAL		STAND-OFF FOR RE-USE	
	(mm)	(inch)	(mm)	(inch)
120	1.80	0.071	0.90	0.035
122	1.80	0.071	0.90	0.035
124	0.98	0.039	0.49	0.019
125	1.36	0.054	0.68	0.027
130	1.90	0.075	0.95	0.037
134	2.00	0.079	1.00	0.039
137	1.50	0.059	0.75	0.030
140	1.90	0.075	0.95	0.037
144	2.00	0.079	1.00	0.039
152	2.10	0.083	1.05	0.041
160	2.30	0.091	1.15	0.045
162	2.48	0.098	1.24	0.049
170	2.50	0.098	1.25	0.049
180	2.70	0.106	1.35	0.053
185	2.70	0.106	1.35	0.053
192	2.90	0.114	1.45	0.057
200	3.00	0.118	1.50	0.059
210	3.10	0.122	1.55	0.061
212	3.10	0.122	1.55	0.061
213	3.15	0.124	1.58	0.062
220	3.25	0.128	1.63	0.064
232	3.40	0.134	1.70	0.067
240	3.55	0.140	1.78	0.070
244	3.55	0.140	1.78	0.070
248	3.55	0.140	1.78	0.070
251	3.55	0.140	1.78	0.070
254	3.40	0.134	1.70	0.067
260	3.40	0.134	1.70	0.067
264	3.40	0.134	1.70	0.067
270	3.55	0.140	1.78	0.070
280	4.00	0.157	2.00	0.079
292	4.20	0.165	2.10	0.083
303	4.20	0.165	2.10	0.083
320	4.21	0.166	2.11	0.083
330	4.20	0.165	2.10	0.083
338	4.20	0.165	2.10	0.083
344	4.20	0.165	2.10	0.083
354	4.20	0.165	2.10	0.083
378	4.20	0.165	2.10	0.083
390	4.20	0.165	2.10	0.083



Assembly and Disassembly

NUT TRAVEL

STANDARD CLAMPS					
CLAMP SIZE	(mm)	X (inch)	(mm)	2X (inch)	
1	3.0	0.118	6.0	0.236	
1.5	3.0	0.118	6.0	0.236	
2	3.0	0.118	6.0	0.236	
3	4.0	0.157	8.0	0.315	
4	5.0	0.197	10.0	0.394	
5	7.0	0.276	14.0	0.551	
6	12.5	0.492	25.0	0.984	
8	14.0	0.551	28.0	1.102	
10H	16.0	0.630	32.0	1.260	
12M	18.0	0.709	36.0	1.417	
X14	19.0	0.748	38.0	1.496	
X16	19.5	0.768	39.0	1.535	
X18	21.0	0.827	42.0	1.654	
X20	22.0	0.866	44.0	1.732	
X24	23.0	0.906	46.0	1.811	
LIGHT WEIGHT CLAMPS					
CLAMP SIZE	(mm)	X (inch)	(mm)	2X (inch)	
14	16.0	0.630	32.0	1.260	
16	20.0	0.787	40.0	1.575	
18	19.0	0.748	38.0	1.496	
20	19.0	0.748	38.0	1.496	
24	21.0	0.827	42.0	1.654	
HEAVY DUTY CLAMPS					
CLAMP SIZE	(mm)	X (inch)	(mm)	2X (inch)	
B	3.0	0.118	6.0	0.236	
C	4.0	0.157	8.0	0.315	
D	5.5	0.217	11.0	0.433	
E	5.5	0.217	11.0	0.433	
F	12.5	0.492	25.0	0.984	
XF	12.0	0.472	24.0	0.945	
ZX	14.0	0.551	28.0	1.102	
G	12.0	0.472	24.0	0.945	
XG	15.0	0.591	30.0	1.181	
X8	12.0	0.472	24.0	0.945	
X10H	16.0	0.630	32.0	1.260	
X12M	19.0	0.748	38.0	1.496	
R	20.5	0.807	41.0	1.614	
A-P	20.0	0.787	40.0	1.575	
5P	20.0	0.787	40.0	1.575	
T	19.0	0.748	38.0	1.496	
S	20.5	0.807	41.0	1.614	
U	21.0	0.827	42.0	1.654	
V	23.0	0.906	46.0	1.811	
3V	22.0	0.866	44.0	1.732	
5V	22.0	0.866	44.0	1.732	
W	20.5	0.807	41.0	1.614	
3W	22.0	0.866	44.0	1.732	
Y	22.0	0.866	44.0	1.732	
3Y	23.0	0.906	46.0	1.811	
28" - 30"	23.0	0.906	46.0	1.811	
32" - 34" - 36"	23.0	0.906	46.0	1.811	
X = Nut travel at each end of bolt 2X = Total nut travel from assembled position					





Other Configurations

Adapter hub	Transition reducer hub	Transition enlarging hub	Hub spade
Hub spacer	Nozzle hub	Socked weld hub	Threaded hub
Rigid interface	Pressure tapped hub	Test port hub - back seal test	Two pieces shrouded hub
Integral shrouded hub	Hub weld overlaid on seal area & bore	Hub weld overlaid on seal area only	Weld-o-hub
Thermowell hub	Hubbed elbow	Hubbed tee	Valve end
Transition seal ring	Orifice seal ring	Blind seal ring	Anti corrosion drain hole

Not to be used for full differential pressure
Contact Engineering Department for more information



Other Configurations



G-LOK® connectors are highly versatile and can be used in many different applications. In addition to the standard products, there are many other configurations in the G-LOK® range, some of which are illustrated below and on page 13.

316 Stainless Steel, Inconel 625, Incoloy 825, Hastelloy C276 weld overlaid hub are also available for corrosive service.

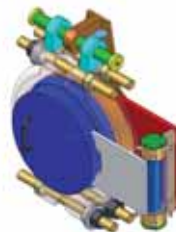


Superduplex manifold



BW-Hubs
Forging

Hinged closure - closed



Hinged closure - opened

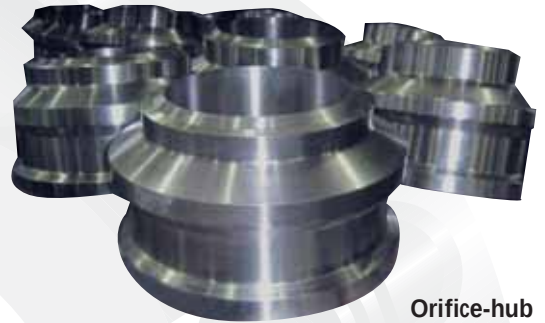




Other Configurations



Weld-o-hub



Orifice-hub



Machining shop

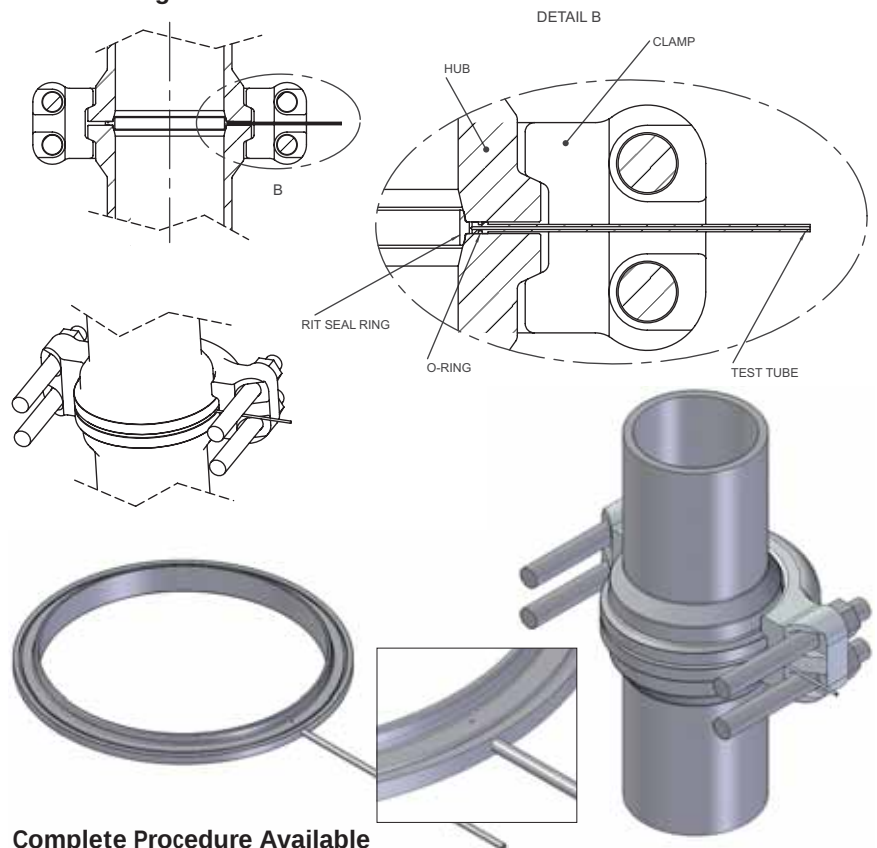


Hub valve inlet/outlet



Thermowell-hub

BST Test Ring - Back Seal Test



Complete Procedure Available



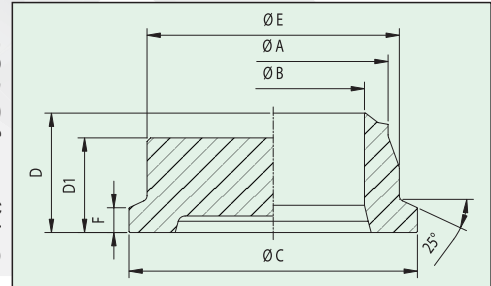
Standard Hubs (mm)

Designations

The G-LOK® connector designation (example 12M102) identifies the correct hub, clamp, bolting and sealing sizes. The first number ("12" in the example) refers to the hub and clamp size. The correct clamp can be located in the clamp table on page 26 and 27. The second number in the designation ("102" in the example) refers to the sealing size. The correct sealing can be located in the sealing table on page 24 and 25.

G-LOK® blind hubs are designed to save space.

Available for all standard size G-LOK® connectors, they can carry the full basic pressure rating of the G-LOK® connector. They can also be used as closures for pressure vessels and heat exchangers, and can be drilled and tapped to incorporate instrumentation, and customised to fit your specific requirements.



NPS	SCH.	G-LOK® SIZE	PIPE O.D.	INSIDE DIAMETER	OUTSIDE DIAMETER	BW HUB LENGTH	BLIND HUB LENGTH	HUB BACK FACE Ø	LIP THICKNESS	BW HUB WEIGHT	BLIND HUB WEIGHT
			A (mm)	B (mm)	C (mm)	D (mm)	D1 (mm)	E (mm)	F (mm)	kg	kg
0.5"	40	1GR5	21.30	15.80	50.80	44.50	44.50	38.10	7.95	0.30	0.40
0.5"	80	1GR5	21.30	13.90	50.80	44.50	44.50	38.10	7.95	0.30	0.40
0.5"	160	1GR4	21.30	11.80	50.80	44.50	44.50	38.10	7.95	0.30	0.40
0.5"	XXS	1GR4	21.30	6.40	50.80	44.50	44.50	38.10	7.95	0.30	0.40
0.75"	40	1GR7	26.70	20.90	50.80	44.50	44.50	38.10	7.95	0.20	0.40
0.75"	80	1GR7	26.70	18.90	50.80	44.50	44.50	38.10	7.95	0.20	0.40
0.75"	160	1GR5	26.70	15.60	50.80	44.50	44.50	38.10	7.95	0.30	0.40
0.75"	XXS	1GR4	26.70	11.00	50.80	44.50	44.50	38.10	7.95	0.30	0.40
1"	40	1GR11	33.40	26.60	50.80	44.50	44.50	38.10	7.95	0.20	0.40
1"	80	1GR11	33.40	24.30	50.80	44.50	44.50	38.10	7.95	0.20	0.40
1"	160	1GR7	33.40	20.70	50.80	44.50	44.50	38.10	7.95	0.30	0.40
1"	XXS	1GR5	33.40	15.20	50.80	44.50	44.50	38.10	7.95	0.30	0.40
1"	10mm	1GR5	33.40	13.40	50.80	44.50	44.50	38.10	7.95	0.40	0.40
1.5"	40	1.5GR14	48.30	40.90	79.40	60.30	54.00	60.30	11.10	0.70	1.30
1.5"	80	1.5GR14	48.30	38.10	79.40	60.30	54.00	60.30	11.10	0.80	1.30
1.5"	80	1.5GR13	48.30	38.10	79.40	60.30	54.00	60.30	12.70	0.80	1.30
1.5"	160	1.5GR14	48.30	34.00	79.40	60.30	54.00	60.30	11.10	0.80	1.30
1.5"	XXS	1.5GR11	48.30	27.90	79.40	60.30	54.00	60.30	12.70	1.10	1.40
1.5"	14.2mm	1.5GR11	48.30	19.90	79.40	60.30	54.00	60.30	12.70	1.10	1.40
2"	40	2GR20	60.30	52.50	92.10	69.90	50.80	73.00	11.10	1.00	1.60
2"	80	2GR20	60.30	49.20	92.10	69.90	50.80	73.00	11.10	1.10	1.60
2"	160	2GR20	60.30	42.90	92.10	69.90	50.80	73.00	11.10	1.20	1.60
2"	160	2GR16	60.30	42.90	92.10	69.90	50.80	73.00	11.10	1.30	1.70
2"	XXS	2GR14	60.30	38.10	92.10	69.90	50.80	73.00	11.10	1.50	1.80
2"	12.5mm	2GR14	60.30	35.30	92.10	69.90	50.80	73.00	11.10	1.60	1.80
2"	14.2mm	2GR14	60.30	31.90	92.10	69.90	50.80	73.00	11.10	1.60	1.80
2"	17.5mm	2GR11	60.30	25.30	92.10	69.90	44.50	73.00	12.70	1.90	1.70
2.5"	XXS	2.5-3GR20	73.00	45.00	127.00	82.60	63.50	101.60	12.70	3.50	4.30
2.5"	20mm	2.5-3GR14	73.00	33.00	127.00	82.60	54.00	101.60	12.70	4.00	3.80
3"	40	3GR27	88.90	77.90	127.00	82.60	63.50	101.60	12.70	2.10	4.00
3"	80	3GR27	88.90	73.70	127.00	82.60	63.50	101.60	12.70	2.30	4.00
3"	160	3GR25	88.90	66.70	127.00	82.60	63.50	101.60	12.70	2.90	4.10
3"	XXS	3GR23	88.90	58.50	127.00	82.60	63.50	101.60	12.70	3.40	4.20
3"	16mm	3GR23	88.90	56.90	127.00	82.60	63.50	101.60	12.70	3.50	4.20
3"	17.5mm	3GR23	88.90	53.90	127.00	82.60	63.50	101.60	12.70	3.60	4.20
3"	25mm	3GR14	88.90	38.90	127.00	82.60	54.00	101.60	12.70	4.50	3.90
4"	40	4GR40	114.30	102.30	152.40	92.10	54.00	127.00	12.70	2.80	4.70
4"	80	4GR40	114.30	97.20	152.40	92.10	54.00	127.00	12.70	3.20	4.70
4"	120	4GR34	114.30	92.10	152.40	92.10	73.00	127.00	12.70	4.10	7.10
4"	160	4GR34	114.30	87.30	152.40	92.10	73.00	127.00	12.70	4.40	7.10
4"	XXS	4GR31	114.30	80.10	152.40	92.10	73.00	127.00	12.70	5.20	7.30
4"	17.5mm	4GR31	114.30	79.30	152.40	92.10	73.00	127.00	12.70	5.30	7.30
4"	20mm	4GR27	114.30	74.30	152.40	92.10	73.00	127.00	12.70	5.70	7.40
4"	22.2mm	4GR27	114.30	69.90	152.40	92.10	73.00	127.00	12.70	5.90	7.40
5"	5	5GR54	141.30	135.80	190.50	111.10	88.90	165.10	15.88	5.10	14.70
5"	40	5GR52	141.30	128.20	190.50	111.10	73.00	165.10	15.88	5.40	11.10
5"	80	5GR52	141.30	122.30	190.50	111.10	73.00	165.10	15.88	5.90	11.10
5"	120	5GR46	141.30	115.90	190.50	111.10	73.00	165.10	15.88	7.70	11.50
5"	XXS	5GR40	141.30	103.30	190.50	111.10	88.90	165.10	15.88	9.90	14.70
5"	22.2mm	5GR40	141.30	96.90	190.50	111.10	88.90	165.10	15.88	10.50	14.70
6"	40	6GR62	168.30	154.10	235.00	117.50	73.00	196.90	19.05	9.30	16.00
6"	80	6GR62	168.30	146.30	235.00	117.50	73.00	196.90	19.05	9.90	16.00
6"	120	6GR62	168.30	139.70	235.00	117.50	73.00	196.90	19.05	10.10	16.00
6"	120	6GR56	168.30	139.70	235.00	117.50	88.90	196.90	20.63	12.70	21.40
6"	120	6GR54	168.30	139.70	235.00	117.50	88.90	196.90	20.63	13.10	21.40
6"	160	6GR52	168.30	131.90	235.00	117.50	88.90	196.90	20.63	14.50	21.40
6"	160	6GR54	168.30	131.90	235.00	117.50	88.90	196.90	20.63	14.00	21.40
6"	XXS	6GR52	168.30	124.50	235.00	117.50	88.90	196.90	20.63	15.30	21.40
6"	XXS	6GR54	168.30	124.50	235.00	117.50	88.90	196.90	20.63	14.50	21.40
6"	25mm	6GR46	168.30	118.30	235.00	117.50	85.70	196.90	20.63	17.10	21.10
6"	28mm	6GR46	168.30	112.30	235.00	117.50	85.70	196.90	20.63	17.70	21.10
8"	60	8GR82	219.10	198.50	292.10	136.50	76.20	254.00	19.05	14.50	26.50
8"	100	8GR76	219.10	188.90	292.10	136.50	76.20	254.00	19.05	18.50	27.20
8"	120	8GR72	219.10	182.70	292.10	136.50	88.90	254.00	19.05	21.80	33.00
8"	140	8GR76	219.10	177.90	292.10	136.50	76.20	254.00	19.05	19.10	27.30
8"	140	8GR72	219.10	177.90	292.10	136.50	88.90	254.00	19.05	22.40	33.00
8"	160	8GR72	219.10	173.10	292.10	136.50	88.90	254.00	19.05	22.90	33.00
8"	160	8GR67	219.10	173.10	292.10	136.50	88.90	254.00	19.05	24.70	33.50
8"	25mm	8GR72	219.10	169.10	292.10	136.50	88.90	254.00	19.05	23.10	33.00

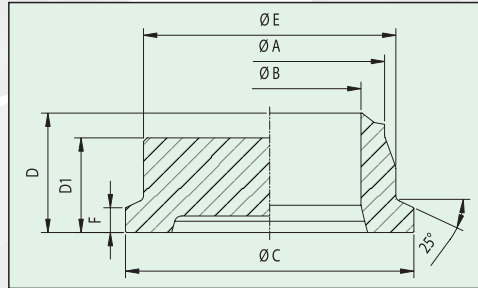


Standard Hubs (mm)

NPS	SCH.	G-LOK® SIZE	PIPE O.D.	INSIDE DIAMETER	OUTSIDE DIAMETER	BW HUB LENGTH	BLIND HUB LENGTH	HUB BACK FACE Ø	LIP THICKNESS	BW HUB WEIGHT	BLIND HUB WEIGHT
			A (mm)	B (mm)	C (mm)	D (mm)	D1 (mm)	E (mm)	F (mm)	kg	kg
8"	25mm	8GR67	219.10	169.10	292.10	136.50	88.90	254.00	19.05	25.20	33.50
8"	28mm	8GR72	219.10	163.10	292.10	136.50	88.90	254.00	19.05	23.10	33.00
8"	28mm	8GR64	219.10	163.10	292.10	136.50	108.00	254.00	19.05	27.50	41.60
8"	30mm	8GR64	219.10	159.10	292.10	136.50	108.00	254.00	19.05	28.00	41.60
8"	32mm	8GR64	219.10	155.10	292.10	136.50	108.00	254.00	19.05	28.30	41.60
8"	32mm	8GR62	219.10	155.10	292.10	136.50	108.00	254.00	19.05	30.10	42.10
8"	36mm	8GR62	219.10	147.10	292.10	136.50	108.00	254.00	19.05	31.10	42.10
10"	60	10H97	273.00	247.60	346.10	152.40	88.90	295.30	31.75	25.90	45.20
10"	100	10H94	273.00	236.60	346.10	152.40	95.30	295.30	31.75	30.70	49.30
10"	120	10H91	273.00	230.20	346.10	152.40	127.00	295.30	31.74	33.10	69.00
10"	120	10H92	273.00	230.20	346.10	152.40	127.00	295.30	31.75	32.50	69.00
10"	120	10H94	273.00	230.20	346.10	152.40	95.30	295.30	31.75	31.80	49.30
10"	140	10H94	273.00	222.20	346.10	152.40	95.30	295.30	31.75	32.50	49.30
10"	140	10H87	273.00	222.20	346.10	152.40	108.00	295.30	31.75	37.30	57.00
10"	160	10H84	273.00	215.80	346.10	152.40	108.00	295.30	31.75	40.60	58.00
10"	28mm	10H84	273.00	217.00	346.10	152.40	108.00	295.30	31.75	40.30	58.00
10"	30mm	10H84	273.00	213.00	346.10	152.40	108.00	295.30	31.75	41.20	58.00
10"	32mm	10H84	273.00	209.00	346.10	152.40	108.00	295.30	31.75	42.00	58.00
10"	32mm	10H82	273.00	209.00	346.10	152.40	127.00	295.30	31.75	43.30	69.00
10"	36mm	10H84	273.00	201.00	346.10	152.40	108.00	295.30	31.75	43.00	58.00
10"	36mm	10H82	273.00	201.00	346.10	152.40	127.00	295.30	31.75	44.80	69.00
10"	40mm	10H76	273.00	193.00	346.10	152.40	127.00	295.30	31.75	48.80	69.00
10"	45mm	10H72	273.00	183.00	346.10	152.40	127.00	295.30	31.75	53.00	72.00
12"	60	12M120	323.80	295.20	406.40	168.30	98.50	355.60	34.93	38.70	70.00
12"	80	12M114	323.80	289.00	406.40	168.30	142.90	355.60	34.92	47.10	113.00
12"	100	12M112	323.80	281.00	406.40	168.30	108.00	355.60	31.75	48.20	80.00
12"	120	12M112	323.80	273.00	406.40	168.30	108.00	355.60	31.75	50.00	80.00
12"	120	12M106	323.80	273.00	406.40	168.30	133.40	355.60	34.93	55.00	102.00
12"	140	12M112	323.80	266.60	406.40	168.30	108.00	355.60	31.75	51.00	80.00
12"	140	12M106	323.80	266.60	406.40	168.30	133.40	355.60	34.93	57.00	102.00
12"	160	12M102	323.80	257.20	406.40	168.30	133.40	355.60	34.93	63.00	103.00
12"	25mm	12M112	323.80	273.80	406.40	168.30	108.00	355.60	31.75	50.00	100.00
12"	31.8mm	12M102	323.80	260.20	406.40	168.30	133.40	355.60	34.93	62.00	103.00
12"	32mm	12M102	323.80	259.80	406.40	168.30	133.40	355.60	34.93	62.00	103.00
12"	36mm	12M102	323.80	251.80	406.40	168.30	133.40	355.60	34.93	64.00	103.00
12"	45mm	12M94	323.80	233.80	406.40	168.30	133.40	355.60	34.93	74.00	104.00
12"	50mm	12M87	323.80	223.80	406.40	168.30	142.90	355.60	34.93	80.00	113.00
14"	60	X14GR130	355.60	325.40	438.20	177.80	104.80	400.10	19.05	43.50	91.00
14"	80	X14GR124	355.60	317.50	438.20	177.80	133.40	400.10	20.63	45.50	126.00
14"	80	X14GR125	355.60	317.50	438.20	177.80	133.40	400.10	20.60	46.00	120.00
14"	100	X14GR130	355.60	308.00	438.20	177.80	104.80	400.10	19.05	47.90	91.00
14"	120	X14GR120	355.60	300.00	438.20	177.80	120.70	400.10	20.63	61.00	109.00
14"	140	X14GR120	355.60	292.00	438.20	177.80	120.70	400.10	20.63	64.00	109.00
14"	160	X14GR112	355.60	284.20	438.20	177.80	120.70	400.10	17.45	72.00	110.00
14"	55mm	X14GR97	355.60	245.60	438.20	177.80	133.40	400.10	20.63	94.00	126.00
14"	60mm	X14GR94	355.60	235.60	438.20	177.80	133.40	400.10	20.63	100.00	127.00
16"	60	X16GR152	406.40	373.00	495.30	196.90	111.10	457.20	19.05	55.00	125.00
16"	100	X16GR140	406.40	354.00	495.30	196.90	120.70	457.20	19.05	78.00	141.00
16"	120	X16GR140	406.40	344.60	495.30	196.90	120.70	457.20	19.05	82.00	141.00
16"	120	X16GR137	406.40	344.60	495.30	196.90	120.70	457.20	17.45	83.00	141.00
16"	140	X16GR140	406.40	333.40	495.30	196.90	120.70	457.20	19.05	86.00	141.00
16"	140	X16GR137	406.40	333.40	495.30	196.90	120.70	457.20	17.45	87.00	141.00
16"	160	X16GR130	406.40	325.40	495.30	196.90	136.50	457.20	19.05	101.00	164.00
16"	34.9mm	X16GR134	406.40	336.60	495.30	196.90	136.50	457.20	19.05	91.00	163.00
16"	50mm	X16GR120	406.40	306.40	495.30	196.90	130.20	457.20	20.63	117.00	159.00
16"	55mm	X16GR120	406.40	296.40	495.30	196.90	130.20	457.20	20.63	122.00	159.00
16"	65mm	X16GR112	406.40	276.40	495.30	196.90	130.20	457.20	17.45	135.00	160.00
18"	60	X18GR170	457.20	419.20	552.50	209.60	120.70	514.40	19.05	75.00	174.00
18"	100	X18GR160	457.20	398.40	552.50	209.60	139.70	514.40	19.05	101.00	208.00
18"	120	X18GR152	457.20	387.40	552.50	209.60	139.70	514.40	19.05	115.00	210.00
18"	160	X18GR152	457.20	366.80	552.50	209.60	139.70	514.40	19.05	126.00	210.00
18"	160	X18GR144	457.20	366.80	552.50	209.60	139.70	514.40	19.05	135.00	213.00
18"	55mm	X18GR140	457.20	347.20	552.50	209.60	139.70	514.40	19.05	151.00	214.00
18"	60mm	X18GR134	457.20	337.20	552.50	209.60	139.70	514.40	19.05	161.00	215.00
20"	40	X20GR210	508.00	477.80	622.30	222.30	108.00	584.20	19.05	85.00	190.00
20"	60	X20GR185	508.00	466.80	622.30	222.30	146.10	584.20	19.05	103.00	279.00
20"	60	X20GR192	508.00	466.80	622.30	222.30	130.20	584.20	19.05	98.00	244.00
20"	100	X20GR180	508.00	443.00	622.30	222.30	146.10	584.20	19.05	135.00	282.00
20"	120	X20GR170	508.00	431.80	622.30	222.30	146.10	584.20	19.05	155.00	285.00
20"	160	X20GR170	508.00	408.00	622.30	222.30	146.10	584.20	19.05	169.00	285.00
20"	160	X20GR162	508.00	408.00	622.30	222.30	146.10	584.20	19.04	175.00	290.00
20"	34.9mm	X20GR180	508.00	438.20	622.30	222.30	146.10	584.20	19.05	137.00	282.00
20"	55mm	X20GR160	508.00	398.00	622.30	222.30	146.10	584.20	19.05	191.00	288.00
20"	60mm	X20GR152	508.00	388.00	622.30	222.30	146.10	584.20	19.05	206.00	291.00
20"	65mm	X20GR152	508.00	378.00	622.30	222.30	146.10	584.20	19.05	213.00	291.00
24"	40	X24GR244	609.60	574.80	749.30	247.70	152.40	698.50	25.40	102.00	414.00
24"	60	X24GR220	609.60	560.40	749.30	247.70	174.60	698.50	25.40	185.00	491.00
24"	100	X24GR210	609.60	531.80	749.30	247.70	174.60	698.50	25.40	232.00	496.00
24"	120	X24GR210	609.60	517.60	749.30	247.70	174.60	698.50	25.40	245.00	496.00
24"	160	X24GR200	609.60	490.60	749.30	247.70	174.60	698.50	25.40	287.00	500.00
24"	65mm	X24GR192	609.60	479.60	749.30	247.70	174.60	698.50	25.40	309.00	503.00



Standard Hubs (inch)



NPS	SCH.	G-LOK [®] SIZE	PIPE O.D.	INSIDE DIAMETER	OUTSIDE DIAMETER	BW HUB LENGTH	BLIND HUB LENGTH	HUB BACK FACE Ø	LIP THICKNESS	BW HUB WEIGHT	BLIND HUB WEIGHT
			A (inch)	B (inch)	C (inch)	D (inch)	D1 (inch)	E (inch)	F (inch)	lb	lb
0.5"	40	1GR5	0.839	0.622	2.000	1.752	1.752	1.500	0.313	0.66	0.88
0.5"	80	1GR5	0.839	0.547	2.000	1.752	1.752	1.500	0.313	0.66	0.88
0.5"	160	1GR4	0.839	0.465	2.000	1.752	1.752	1.500	0.313	0.66	0.88
0.5"	XXS	1GR4	0.839	0.252	2.000	1.752	1.752	1.500	0.313	0.66	0.88
0.75"	40	1GR7	1.051	0.823	2.000	1.752	1.752	1.500	0.313	0.44	0.88
0.75"	80	1GR7	1.051	0.744	2.000	1.752	1.752	1.500	0.313	0.44	0.88
0.75"	160	1GR5	1.051	0.614	2.000	1.752	1.752	1.500	0.313	0.66	0.88
0.75"	XXS	1GR4	1.051	0.433	2.000	1.752	1.752	1.500	0.313	0.66	0.88
1"	40	1GR11	1.315	1.047	2.000	1.752	1.752	1.500	0.313	0.44	0.88
1"	80	1GR11	1.315	0.957	2.000	1.752	1.752	1.500	0.313	0.44	0.88
1"	160	1GR7	1.315	0.815	2.000	1.752	1.752	1.500	0.313	0.66	0.88
1"	XXS	1GR5	1.315	0.598	2.000	1.752	1.752	1.500	0.313	0.66	0.88
1"	0.393inch	1GR5	1.315	0.528	2.000	1.752	1.752	1.500	0.313	0.88	0.88
1.5"	40	1.5GR14	1.902	1.610	3.126	2.374	2.126	2.374	0.437	1.54	2.87
1.5"	80	1.5GR14	1.902	1.500	3.126	2.374	2.126	2.374	0.437	1.76	2.87
1.5"	160	1.5GR13	1.902	1.500	3.126	2.374	2.126	2.374	0.500	1.76	2.87
1.5"	XXS	1.5GR14	1.902	1.339	3.126	2.374	2.126	2.374	0.437	1.76	2.87
1.5"	40	1.5GR11	1.902	1.098	3.126	2.374	2.126	2.374	0.500	2.43	3.09
1.5"	0.559inch	1.5GR11	1.902	0.783	3.126	2.374	2.126	2.374	0.500	2.43	3.09
2"	40	2GR20	2.374	2.067	3.626	2.752	2.000	2.874	0.437	2.20	3.53
2"	80	2GR20	2.374	1.937	3.626	2.752	2.000	2.874	0.437	2.43	3.53
2"	160	2GR20	2.374	1.689	3.626	2.752	2.000	2.874	0.437	2.65	3.53
2"	XXS	2GR16	2.374	1.689	3.626	2.752	2.000	2.874	0.437	2.87	3.75
2"	40	2GR14	2.374	1.500	3.626	2.752	2.000	2.874	0.437	3.31	3.97
2"	0.492inch	2GR14	2.374	1.390	3.626	2.752	2.000	2.874	0.437	3.53	3.97
2"	0.559inch	2GR14	2.374	1.256	3.626	2.752	2.000	2.874	0.437	3.53	3.97
2"	0.688inch	2GR11	2.374	0.996	3.626	2.752	1.752	2.874	0.500	4.19	3.75
2.5"	XXS	2.5-3GR20	2.874	1.772	5.000	3.252	2.500	4.000	0.500	7.72	9.48
2.5"	0.787inch	2.5-3GR14	2.874	1.299	5.000	3.252	2.126	4.000	0.500	8.82	8.38
3"	40	3GR27	3.500	3.067	5.000	3.252	2.500	4.000	0.500	4.63	8.82
3"	80	3GR27	3.500	2.902	5.000	3.252	2.500	4.000	0.500	5.07	8.82
3"	160	3GR25	3.500	2.626	5.000	3.252	2.500	4.000	0.500	6.39	9.04
3"	XXS	3GR23	3.500	2.303	5.000	3.252	2.500	4.000	0.500	7.50	9.26
3"	0.629inch	3GR23	3.500	2.240	5.000	3.252	2.500	4.000	0.500	7.72	9.26
3"	0.688inch	3GR23	3.500	2.122	5.000	3.252	2.500	4.000	0.500	7.94	9.26
3"	0.984inch	3GR14	3.500	1.531	5.000	3.252	2.126	4.000	0.500	9.92	8.60
4"	40	4GR40	4.500	4.028	6.000	3.626	2.126	5.000	0.500	6.17	10.36
4"	80	4GR40	4.500	3.827	6.000	3.626	2.126	5.000	0.500	7.05	10.36
4"	120	4GR34	4.500	3.626	6.000	3.626	2.874	5.000	0.500	9.04	15.65
4"	160	4GR34	4.500	3.437	6.000	3.626	2.874	5.000	0.500	9.70	15.65
4"	XXS	4GR31	4.500	3.154	6.000	3.626	2.874	5.000	0.500	11.46	16.09
4"	0.688inch	4GR31	4.500	3.122	6.000	3.626	2.874	5.000	0.500	11.68	16.09
4"	0.787inch	4GR27	4.500	2.925	6.000	3.626	2.874	5.000	0.500	12.57	16.31
4"	0.874inch	4GR27	4.500	2.752	6.000	3.626	2.874	5.000	0.500	13.01	16.31
5"	5	5GR54	5.563	5.346	7.500	4.374	3.500	6.500	0.625	11.24	32.41
5"	40	5GR52	5.563	5.047	7.500	4.374	2.874	6.500	0.625	11.90	24.47
5"	80	5GR52	5.563	4.815	7.500	4.374	2.874	6.500	0.625	13.01	24.47
5"	120	5GR46	5.563	4.563	7.500	4.374	2.874	6.500	0.625	16.98	25.35
5"	XXS	5GR40	5.563	4.067	7.500	4.374	3.500	6.500	0.625	21.83	32.41
5"	0.874inch	5GR40	5.563	3.815	7.500	4.374	3.500	6.500	0.625	23.15	32.41
6"	40	6GR62	6.626	6.067	9.252	4.626	2.874	7.752	0.750	20.50	35.27
6"	80	6GR62	6.626	5.760	9.252	4.626	2.874	7.752	0.750	21.83	35.27
6"	120	6GR62	6.626	5.500	9.252	4.626	2.874	7.752	0.750	22.27	35.27
6"	120	6GR56	6.626	5.500	9.252	4.626	3.500	7.752	0.812	28.00	47.18
6"	120	6GR54	6.626	5.500	9.252	4.626	3.500	7.752	0.812	28.88	47.18
6"	160	6GR52	6.626	5.193	9.252	4.626	3.500	7.752	0.812	31.97	47.18
6"	160	6GR54	6.626	5.193	9.252	4.626	3.500	7.752	0.812	30.86	47.18
6"	XXS	6GR52	6.626	4.902	9.252	4.626	3.500	7.752	0.812	33.73	47.18
6"	XXS	6GR54	6.626	4.902	9.252	4.626	3.500	7.752	0.812	31.97	47.18
6"	0.984inch	6GR46	6.626	4.657	9.252	4.626	3.374	7.752	0.812	37.70	46.52
6"	1.102inch	6GR46	6.626	4.421	9.252	4.626	3.374	7.752	0.812	39.02	46.52
8"	60	8GR82	8.626	7.815	11.500	5.374	3.000	10.000	0.750	31.97	58.42
8"	100	8GR76	8.626	7.437	11.500	5.374	3.000	10.000	0.750	40.79	59.97
8"	120	8GR72	8.626	7.193	11.500	5.374	3.500	10.000	0.750	48.06	72.75
8"	140	8GR76	8.626	7.004	11.500	5.374	3.000	10.000	0.750	42.11	60.19
8"	140	8GR72	8.626	7.004	11.500	5.374	3.500	10.000	0.750	49.38	72.75
8"	160	8GR72	8.626	6.815	11.500	5.374	3.500	10.000	0.750	50.49	72.75
8"	160	8GR67	8.626	6.815	11.500	5.374	3.500	10.000	0.750	54.45	73.85
8"	0.984inch	8GR72	8.626	6.657	11.500	5.374	3.500	10.000	0.750	50.93	72.75

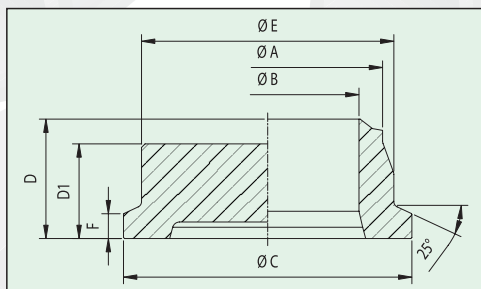


Standard Hubs (inch)

NPS	SCH.	G-LOK® SIZE	PIPE O.D.	INSIDE DIAMETER	OUTSIDE DIAMETER	BW HUB LENGTH	BLIND HUB LENGTH	HUB BACK FACE Ø	LIP THICKNESS	BW HUB WEIGHT	BLIND HUB WEIGHT
			A (inch)	B (inch)	C (inch)	D (inch)	D1 (inch)	E (inch)	F (inch)	lb	lb
8"	0.984inch	8GR67	8.626	6.657	11.500	5.374	3.500	10.000	0.750	55.56	73.85
8"	1.102inch	8GR72	8.626	6.421	11.500	5.374	3.500	10.000	0.750	50.93	72.75
8"	1.102inch	8GR64	8.626	6.421	11.500	5.374	4.252	10.000	0.750	60.63	91.71
8"	1.181inch	8GR64	8.626	6.264	11.500	5.374	4.252	10.000	0.750	61.73	91.71
8"	1.259inch	8GR64	8.626	6.106	11.500	5.374	4.252	10.000	0.750	62.39	91.71
8"	1.259inch	8GR62	8.626	6.106	11.500	5.374	4.252	10.000	0.750	66.36	92.81
8"	1.417inch	8GR62	8.626	5.791	11.500	5.374	4.252	10.000	0.750	68.56	92.81
10"	60	10H97	10.748	9.748	13.626	6.000	3.500	11.626	1.250	57.10	99.65
10"	100	10H94	10.748	9.315	13.626	6.000	3.752	11.626	1.250	67.68	108.69
10"	120	10H91	10.748	9.063	13.626	6.000	5.000	11.626	1.250	72.97	152.12
10"	120	10H92	10.748	9.063	13.626	6.000	5.000	11.626	1.250	71.65	152.12
10"	120	10H94	10.748	9.063	13.626	6.000	3.752	11.626	1.250	70.11	108.69
10"	140	10H94	10.748	8.748	13.626	6.000	3.752	11.626	1.250	71.65	108.69
10"	140	10H87	10.748	8.748	13.626	6.000	4.252	11.626	1.250	82.23	125.66
10"	160	10H84	10.748	8.496	13.626	6.000	4.252	11.626	1.250	89.51	127.87
10"	1.102inch	10H84	10.748	8.543	13.626	6.000	4.252	11.626	1.250	88.85	127.87
10"	1.181inch	10H84	10.748	8.386	13.626	6.000	4.252	11.626	1.250	90.83	127.87
10"	1.259inch	10H84	10.748	8.228	13.626	6.000	4.252	11.626	1.250	92.59	127.87
10"	1.259inch	10H82	10.748	8.228	13.626	6.000	5.000	11.626	1.250	95.46	152.12
10"	1.417inch	10H84	10.748	7.913	13.626	6.000	4.252	11.626	1.250	94.80	127.87
10"	1.417inch	10H82	10.748	7.913	13.626	6.000	5.000	11.626	1.250	98.77	152.12
10"	1.574inch	10H76	10.748	7.598	13.626	6.000	5.000	11.626	1.250	107.58	152.12
10"	1.771inch	10H72	10.748	7.205	13.626	6.000	5.000	11.626	1.250	116.84	154.32
12"	60	12M120	12.748	11.622	16.000	6.626	3.878	14.000	1.375	85.32	158.73
12"	80	12M114	12.748	11.378	16.000	6.626	5.626	14.000	1.375	103.84	249.12
12"	100	12M112	12.748	11.063	16.000	6.626	4.252	14.000	1.250	106.26	176.37
12"	120	12M112	12.748	10.748	16.000	6.626	4.252	14.000	1.250	110.23	176.37
12"	120	12M106	12.748	10.748	16.000	6.626	5.252	14.000	1.375	121.25	224.87
12"	140	12M112	12.748	10.496	16.000	6.626	4.252	14.000	1.250	112.43	176.37
12"	140	12M106	12.748	10.496	16.000	6.626	5.252	14.000	1.375	125.66	224.87
12"	160	12M102	12.748	10.126	16.000	6.626	5.252	14.000	1.375	138.89	227.07
12"	0.984inch	12M112	12.748	10.780	16.000	6.626	4.252	14.000	1.250	110.23	220.46
12"	1.251inch	12M102	12.748	10.244	16.000	6.626	5.252	14.000	1.375	136.69	227.07
12"	1.259inch	12M102	12.748	10.228	16.000	6.626	5.252	14.000	1.375	136.69	227.07
12"	1.417inch	12M102	12.748	9.913	16.000	6.626	5.252	14.000	1.375	141.09	227.07
12"	1.771inch	12M94	12.748	9.205	16.000	6.626	5.252	14.000	1.375	163.14	229.28
12"	1.968inch	12M87	12.748	8.811	16.000	6.626	5.626	14.000	1.375	176.37	249.12
14"	60	X14GR130	14.000	12.811	17.252	7.000	4.126	15.752	0.750	95.90	200.62
14"	80	X14GR124	14.000	12.500	17.252	7.000	5.252	15.752	0.812	100.31	277.78
14"	80	X14GR125	14.000	12.500	17.252	7.000	5.252	15.752	0.811	101.41	264.55
14"	100	X14GR130	14.000	12.126	17.252	7.000	4.126	15.752	0.750	105.60	200.62
14"	120	X14GR120	14.000	11.811	17.252	7.000	4.752	15.752	0.812	134.48	240.30
14"	140	X14GR120	14.000	11.496	17.252	7.000	4.752	15.752	0.812	141.09	240.30
14"	160	X14GR112	14.000	11.189	17.252	7.000	4.752	15.752	0.687	158.73	242.51
14"	2.165inch	X14GR97	14.000	9.669	17.252	7.000	5.252	15.752	0.812	207.23	277.78
14"	2.362inch	X14GR94	14.000	9.276	17.252	7.000	5.252	15.752	0.812	220.46	279.98
16"	60	X16GR152	16.000	14.685	19.500	7.752	4.374	18.000	0.750	121.25	275.58
16"	100	X16GR140	16.000	13.937	19.500	7.752	4.752	18.000	0.750	171.96	310.85
16"	120	X16GR140	16.000	13.567	19.500	7.752	4.752	18.000	0.750	180.78	310.85
16"	120	X16GR137	16.000	13.567	19.500	7.752	4.752	18.000	0.687	182.98	310.85
16"	140	X16GR140	16.000	13.126	19.500	7.752	4.752	18.000	0.750	189.60	310.85
16"	140	X16GR137	16.000	13.126	19.500	7.752	4.752	18.000	0.687	191.80	310.85
16"	160	X16GR130	16.000	12.811	19.500	7.752	5.374	18.000	0.750	222.66	361.55
16"	1.374inch	X16GR134	16.000	13.252	19.500	7.752	5.374	18.000	0.750	200.62	359.35
16"	1.968inch	X16GR120	16.000	12.063	19.500	7.752	5.126	18.000	0.812	257.94	350.53
16"	2.165inch	X16GR120	16.000	11.669	19.500	7.752	5.126	18.000	0.812	268.96	350.53
16"	2.559inch	X16GR112	16.000	10.882	19.500	7.752	5.126	18.000	0.687	297.62	352.74
18"	60	X18GR170	18.000	16.504	21.752	8.252	4.752	20.252	0.750	165.35	383.60
18"	100	X18GR160	18.000	15.685	21.752	8.252	5.500	20.252	0.750	222.66	458.56
18"	120	X18GR152	18.000	15.252	21.752	8.252	5.500	20.252	0.750	253.53	462.97
18"	160	X18GR152	18.000	14.441	21.752	8.252	5.500	20.252	0.750	277.78	462.97
18"	160	X18GR144	18.000	14.441	21.752	8.252	5.500	20.252	0.750	297.62	469.58
18"	2.165inch	X18GR140	18.000	13.669	21.752	8.252	5.500	20.252	0.750	332.89	471.78
18"	2.362inch	X18GR134	18.000	13.276	21.752	8.252	5.500	20.252	0.750	354.94	473.99
20"	40	X20GR210	20.000	18.811	24.500	8.752	4.252	23.000	0.750	187.39	418.87
20"	60	X20GR185	20.000	18.378	24.500	8.752	5.752	23.000	0.750	227.07	615.08
20"	60	X20GR192	20.000	18.378	24.500	8.752	5.126	23.000	0.750	216.05	537.92
20"	100	X20GR180	20.000	17.441	24.500	8.752	5.752	23.000	0.750	297.62	621.70
20"	120	X20GR170	20.000	17.000	24.500	8.752	5.752	23.000	0.750	341.71	628.31
20"	160	X20GR170	20.000	16.063	24.500	8.752	5.752	23.000	0.750	372.58	628.31
20"	160	X20GR162	20.000	16.063	24.500	8.752	5.752	23.000	0.750	385.81	639.33
20"	1.374inch	X20GR180	20.000	17.252	24.500	8.752	5.752	23.000	0.750	302.03	621.70
20"	2.165inch	X20GR160	20.000	15.669	24.500	8.752	5.752	23.000	0.750	421.08	634.92
20"	2.362inch	X20GR152	20.000	15.276	24.500	8.752	5.752	23.000	0.750	454.15	641.54
20"	2.559inch	X20GR122	20.000	14.882	24.500	8.752	5.752	23.000	0.750	469.58	641.54
24"	40	X24GR244	24.000	22.630	29.500	9.752	6.000	27.500	1.000	224.87	912.70
24"	60	X24GR220	24.000	22.063	29.500	9.752	6.874	27.500	1.000	407.85	1082.46
24"	100	X24GR210	24.000	20.937	29.500	9.752	6.874	27.500	1.000	511.47	1093.48
24"	120	X24GR210	24.000	20.378	29.500	9.752	6.874	27.500	1.000	540.13	1093.48
24"	160	X24GR200	24.000	19.315	29.500	9.752	6.874	27.500	1.000	632.72	1102.30
24"	2.559inch	X24GR192	24.000	18.882	29.500	9.752	6.874	27.500	1.000	681.22	1108.91



Heavy Duty Hubs (mm)



NPS	SCH.	G-LOK® SIZE	PIPE O.D.	INSIDE DIAMETER	OUTSIDE DIAMETER	BW HUB LENGTH	BLIND HUB LENGTH	HUB BACK FACE Ø	LIP THICKNESS	BW HUB WEIGHT	BLIND HUB WEIGHT
			A (mm)	B (mm)	C (mm)	D (mm)	D1 (mm)	E (mm)	F (mm)	KG	KG
2"	40	B20	60.30	52.50	120.70	82.60	63.50	95.30	15.88	2.80	3.70
2"	80	B20	60.30	49.20	120.70	82.60	63.50	95.30	15.88	2.90	3.70
2"	160	B16	60.30	42.90	120.70	82.60	63.50	95.30	15.88	3.20	3.80
2"	XXS	B14	60.30	38.10	120.70	82.60	63.50	95.30	15.88	3.40	3.90
3"	40	C27	88.90	77.90	139.70	88.90	66.70	114.30	15.88	3.30	5.10
3"	80	C27	88.90	73.70	139.70	88.90	66.70	114.30	15.88	3.60	5.10
3"	160	C25	88.90	66.70	139.70	88.90	66.70	114.30	15.88	4.20	5.30
3"	XXS	C23	88.90	58.50	139.70	88.90	66.70	114.30	15.88	4.70	5.50
4"	40	D40	114.30	102.30	171.50	101.60	73.00	146.10	15.88	5.40	8.70
4"	80	D40	114.30	97.20	171.50	101.60	73.00	146.10	15.88	5.80	8.70
4"	120	D34	114.30	92.10	171.50	101.60	73.00	146.10	15.88	6.80	9.10
4"	160	D34	114.30	87.30	171.50	101.60	73.00	146.10	15.88	7.20	9.10
4"	17,5mm	D31	114.30	79.30	171.50	101.60	73.00	146.10	15.88	8.10	9.40
4"	20mm	D27	114.30	74.30	171.50	101.60	73.00	146.10	15.88	8.60	9.50
6"	120	ZX54	168.30	139.70	268.00	196.00	95.30	230.00	21.14	31.70	30.00
6"	XXS	ZX52	168.30	124.50	268.00	196.00	95.30	230.00	21.14	32.50	31.00
6"	32mm	ZX42	168.30	104.30	268.00	196.00	95.30	230.00	21.14	38.80	32.10
6"	28mm	G46	168.30	112.30	292.10	136.50	108.00	241.30	27.00	32.00	34.90
6"	30mm	G46	168.30	108.30	292.10	136.50	108.00	241.30	27.00	32.40	34.90
8"	25mm	X8GR72	219.10	169.10	292.10	136.50	88.90	254.00	19.05	23.10	33.00
8"	25mm	X8GR67	219.10	169.10	292.10	136.50	88.90	254.00	19.05	25.20	33.50
8"	28mm	X8GR64	219.10	163.10	292.10	136.50	108.00	254.00	19.05	27.50	41.60
8"	32mm	X8GR64	219.10	155.10	292.10	136.50	108.00	254.00	19.05	28.30	41.60
8"	36mm	X8GR62	219.10	147.10	292.10	136.50	108.00	254.00	19.05	31.10	42.10
10"	120	X10H91	273.00	230.20	346.10	152.40	127.00	295.30	31.74	44.50	69.00
10"	120	X10H92	273.00	230.20	346.10	152.40	127.00	295.30	31.75	44.00	69.00
10"	36mm	X10H84	273.00	201.00	346.10	152.40	108.00	295.30	31.75	43.00	69.00
10"	36mm	X10H82	273.00	201.00	346.10	152.40	127.00	295.30	31.75	44.80	69.00
10"	40mm	X10H76	273.00	193.00	346.10	152.40	127.00	295.30	31.75	48.80	69.00
12"	80	X12M114	323.80	289.00	406.40	168.30	142.90	355.60	34.92	78.50	110.00
12"	25mm	X12M112	323.80	273.80	406.40	168.30	108.00	355.60	31.75	50.00	100.00
12"	36mm	X12M102	323.80	251.80	406.40	168.30	133.40	355.60	34.93	64.00	103.00
12"	45mm	X12M94	323.80	233.80	406.40	168.30	133.40	355.60	34.93	74.00	104.00
12"	50mm	X12M87	323.80	223.80	406.40	168.30	142.90	355.60	34.93	80.00	113.00
14"	60	A-P130	355.60	325.40	469.90	184.20	152.40	419.10	30.16	64.00	158.00
14"	80	AP-124	355.60	317.50	469.90	184.20	152.40	419.10	31.75	81.50	162.00
14"	80	AP-125	355.60	317.50	469.90	184.20	152.40	419.10	31.72	81.00	161.00
14"	100	A-P130	355.60	308.00	469.90	184.20	152.40	419.10	30.16	69.00	158.00
14"	120	A-P120	355.60	300.00	469.90	184.20	152.40	419.10	31.75	83.00	161.00
14"	140	A-P120	355.60	292.00	469.90	184.20	152.40	419.10	31.75	85.00	161.00
14"	160	A-P112	355.60	284.20	469.90	184.20	152.40	419.10	28.57	93.00	162.00
14"	25mm	A-P120	355.60	305.60	469.90	184.20	152.40	419.10	31.75	80.00	161.00
14"	34,9mm	A-P112	355.60	285.80	469.90	184.20	152.40	419.10	28.57	92.00	162.00
14"	34,9mm	A-P120	355.60	285.80	469.90	184.20	152.40	419.10	31.75	87.00	161.00
14"	36mm	A-P112	355.60	283.60	469.90	184.20	152.40	419.10	28.57	93.00	162.00

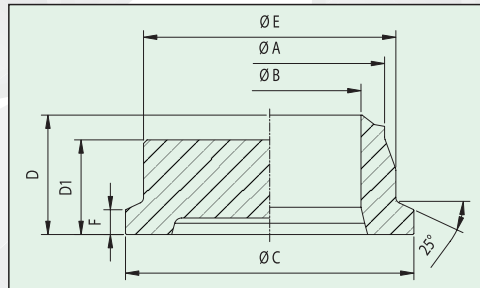


Heavy Duty Hubs (mm)

NPS	SCH.	G-LOK® SIZE	PIPE O.D.	INSIDE DIAMETER	OUTSIDE DIAMETER	BW HUB LENGTH	BLIND HUB LENGTH	HUB BACK FACE Ø	LIP THICKNESS	BW HUB WEIGHT	BLIND HUB WEIGHT
			A (mm)	B (mm)	C (mm)	D (mm)	D1 (mm)	E (mm)	F (mm)	KG	KG
14"	38mm	A-P112	355.60	279.60	469.90	184.20	152.40	419.10	28.57	95.00	162.00
14"	40mm	A-P112	355.60	275.60	469.90	184.20	152.40	419.10	28.57	96.00	162.00
14"	55mm	A-P97	355.60	245.60	469.90	184.20	146.00	419.10	31.75	117.00	158.00
14"	60mm	A-P94	355.60	235.60	469.90	184.20	146.00	419.10	31.75	122.00	159.00
16"	60	S152	406.40	373.00	533.40	200.00	162.00	482.60	42.88	99.00	225.00
16"	100	S140	406.40	354.00	533.40	200.00	162.00	482.60	42.88	121.00	228.00
16"	120	S140	406.40	344.60	533.40	200.00	162.00	482.60	42.88	126.00	228.00
16"	120	S137	406.40	344.60	533.40	200.00	162.00	482.60	41.28	127.00	228.00
16"	140	S140	406.40	333.40	533.40	200.00	162.00	482.60	42.88	129.00	228.00
16"	140	S137	406.40	333.40	533.40	200.00	162.00	482.60	41.28	131.00	228.00
16"	160	S130	406.40	325.40	533.40	200.00	178.00	482.60	42.88	144.00	254.00
16"	28mm	S140	406.40	350.40	533.40	200.00	162.00	482.60	42.88	123.00	228.00
16"	34,9mm	S134	406.40	336.60	533.40	200.00	178.00	482.60	42.88	135.00	253.00
16"	40mm	S130	406.40	326.40	533.40	200.00	178.00	482.60	42.88	144.00	254.00
16"	45mm	S130	406.40	316.40	533.40	200.00	178.00	482.60	42.88	148.00	254.00
16"	50mm	S120	406.40	306.40	533.40	200.00	190.00	482.60	44.47	162.00	274.00
16"	55mm	S120	406.40	296.40	533.40	200.00	190.00	482.60	44.47	166.00	274.00
16"	65mm	S112	406.40	276.40	533.40	200.00	190.00	482.60	41.28	179.00	275.00
18"	60	U170	457.20	419.20	635.00	222.20	181.00	584.20	41.28	176.00	366.00
18"	100	U160	457.20	398.40	635.00	222.20	184.00	584.20	41.28	203.00	380.00
18"	120	U152	457.20	387.40	635.00	222.20	184.00	584.20	41.28	218.00	382.00
18"	160	U152	457.20	366.80	635.00	222.20	184.00	584.20	41.28	230.00	382.00
18"	160	U144	457.20	366.80	635.00	222.20	184.00	584.20	41.28	239.00	384.00
18"	34,9mm	U152	457.20	387.40	635.00	222.20	184.00	584.20	41.28	218.00	382.00
18"	44mm	U152	457.20	369.20	635.00	222.20	184.00	584.20	41.28	229.00	382.00
18"	45mm	U152	457.20	367.20	635.00	222.20	184.00	584.20	41.28	230.00	382.00
18"	50mm	U152	457.20	357.20	635.00	222.20	184.00	584.20	41.28	232.00	382.00
18"	55mm	U140	457.20	347.20	635.00	222.20	184.00	584.20	41.28	256.00	385.00
18"	60mm	U134	457.20	337.20	635.00	222.20	184.00	584.20	41.28	266.00	387.00
20"	40	3V210	508.00	477.80	660.40	228.60	133.40	609.60	31.75	93.00	265.00
20"	60	3V185	508.00	466.80	660.40	228.60	187.00	609.60	31.75	211.00	405.00
20"	60	3V192	508.00	466.80	660.40	228.60	159.00	609.60	31.75	156.00	337.00
20"	100	3V180	508.00	443.00	660.40	228.60	181.00	609.60	31.75	193.00	393.00
20"	120	3V170	508.00	431.80	660.40	228.60	187.00	609.60	31.75	215.00	411.00
20"	160	3V170	508.00	408.00	660.40	228.60	187.00	609.60	31.75	229.00	411.00
20"	160	3V162	508.00	408.00	660.40	228.60	187.00	609.60	31.74	218.00	411.00
20"	34,9mm	3V180	508.00	438.20	660.40	228.60	181.00	609.60	31.75	196.00	393.00
20"	55mm	3V160	508.00	398.00	660.40	228.60	178.00	609.60	31.75	252.00	397.00
20"	60mm	3V152	508.00	388.00	660.40	228.60	178.00	609.60	31.75	266.00	399.00
20"	65mm	3V152	508.00	378.00	660.40	228.60	178.00	609.60	31.75	273.00	399.00
24"	40	3Y244	609.60	574.80	793.80	254.00	181.00	743.00	41.28	242.00	564.00
24"	60	3Y220	609.60	560.40	793.80	254.00	245.00	743.00	41.28	325.00	796.00
24"	100	3Y210	609.60	531.80	793.80	254.00	203.00	743.00	41.28	373.00	658.00
24"	120	3Y210	609.60	517.60	793.80	254.00	203.00	743.00	41.28	387.00	658.00
24"	160	3Y200	609.60	490.60	793.80	254.00	203.00	743.00	41.28	430.00	669.00
24"	65mm	3Y192	609.60	479.60	793.80	254.00	203.00	743.00	41.28	453.00	672.00
26"	160	26GR210	660.40	531.40	793.80	254.00	203.00	743.00	41.28	489.00	679.00
28"	60mm	28GR232	711.20	591.20	992.30	349.00	250.00	941.50	41.28	858.00	1329.00
30"	140	30GR248	762.00	631.00	992.30	323.60	250.00	941.50	41.28	783.00	1318.00
30"	31,8mm	30GR280	762.00	698.40	992.30	323.60	250.00	941.50	41.28	610.00	1300.00
32"	120	32GR270	812.80	690.00	1087.00	369.80	300.00	1036.00	41.28	958.00	1557.00
34"	60	34GR320	863.60	793.90	1087.00	345.00	300.00	1036.00	41.28	692.00	1523.00
36"	75mm	36GR303	914.40	764.40	1087.00	345.00	300.00	1036.00	41.28	846.00	1559.00



Heavy Duty Hubs (inch)



NPS	SCH.	G-LOK® SIZE	PIPE O.D.	INSIDE DIAMETER	OUTSIDE DIAMETER	BW HUB LENGTH	BLIND HUB LENGTH	HUB BACK FACE Ø	LIP THICKNESS	BW HUB WEIGHT	BLIND HUB WEIGHT
			A (inch)	B (inch)	C (inch)	D (inch)	D1 (inch)	E (inch)	F (inch)	lb	lb
2"	40	B20	2.374	2.067	4.752	3.252	2.500	3.752	0.625	6.17	8.16
2"	80	B20	2.374	1.937	4.752	3.252	2.500	3.752	0.625	6.39	8.16
2"	160	B16	2.374	1.689	4.752	3.252	2.500	3.752	0.625	7.05	8.38
2"	XXS	B14	2.374	1.500	4.752	3.252	2.500	3.752	0.625	7.50	8.60
3"	40	C27	3.500	3.067	5.500	3.500	2.626	4.500	0.625	7.28	11.24
3"	80	C27	3.500	2.902	5.500	3.500	2.626	4.500	0.625	7.94	11.24
3"	160	C25	3.500	2.626	5.500	3.500	2.626	4.500	0.625	9.26	11.68
3"	XXS	C23	3.500	2.303	5.500	3.500	2.626	4.500	0.625	10.36	12.13
4"	40	D40	4.500	4.028	6.752	4.000	2.874	5.752	0.625	11.90	19.18
4"	80	D40	4.500	3.827	6.752	4.000	2.874	5.752	0.625	12.79	19.18
4"	120	D34	4.500	3.626	6.752	4.000	2.874	5.752	0.625	14.99	20.06
4"	160	D34	4.500	3.437	6.752	4.000	2.874	5.752	0.625	15.87	20.06
4"	0,688inch	D31	4.500	3.122	6.752	4.000	2.874	5.752	0.625	17.86	20.72
4"	0,787inch	D27	4.500	2.925	6.752	4.000	2.874	5.752	0.625	18.96	20.94
6"	120	ZX54	6.626	5.500	10.551	7.717	3.752	9.055	0.832	69.89	66.14
6"	XXS	ZX52	6.626	4.902	10.551	7.717	3.752	9.055	0.832	71.65	68.34
6"	1,259inch	ZX42	6.626	4.106	10.551	7.717	3.752	9.055	0.832	85.54	70.77
6"	1,102inch	G46	6.626	4.421	11.500	5.374	4.252	9.500	1.063	70.55	76.94
6"	1,181inch	G46	6.626	4.264	11.500	5.374	4.252	9.500	1.063	71.43	76.94
8"	0,984inch	X8GR72	8.626	6.657	11.500	5.374	3.500	10.000	0.750	50.93	72.75
8"	0,984inch	X8GR67	8.626	6.657	11.500	5.374	3.500	10.000	0.750	55.56	73.85
8"	1,102inch	X8GR64	8.626	6.421	11.500	5.374	4.252	10.000	0.750	60.63	91.71
8"	1,259inch	X8GR64	8.626	6.106	11.500	5.374	4.252	10.000	0.750	62.39	91.71
8"	1,417inch	X8GR62	8.626	5.791	11.500	5.374	4.252	10.000	0.750	68.56	92.81
10"	120	X10H91	10.748	9.063	13.626	6.000	5.000	11.626	1.250	98.10	152.12
10"	120	X10H92	10.748	9.063	13.626	6.000	5.000	11.626	1.250	97.00	152.12
10"	1,417inch	X10H84	10.748	7.913	13.626	6.000	4.252	11.626	1.250	94.80	152.12
10"	1,417inch	X10H82	10.748	7.913	13.626	6.000	5.000	11.626	1.250	98.77	152.12
10"	1,574inch	X10H76	10.748	7.598	13.626	6.000	5.000	11.626	1.250	107.58	152.12
12"	80	X12M114	12.748	11.378	16.000	6.626	5.626	14.000	1.375	173.06	242.51
12"	0,984inch	X12M112	12.748	10.780	16.000	6.626	4.252	14.000	1.250	110.23	220.46
12"	1,417inch	X12M102	12.748	9.913	16.000	6.626	5.252	14.000	1.375	141.09	227.07
12"	1,771inch	X12M94	12.748	9.205	16.000	6.626	5.252	14.000	1.375	163.14	229.28
12"	1,968inch	X12M87	12.748	8.811	16.000	6.626	5.626	14.000	1.375	176.37	249.12
14"	60	A-P130	14.000	12.811	18.500	7.252	6.000	16.500	1.187	141.09	348.33
14"	80	AP-124	14.000	12.500	18.500	7.252	6.000	16.500	1.250	179.67	357.15
14"	80	AP-125	14.000	12.500	18.500	7.252	6.000	16.500	1.249	178.57	354.94
14"	100	A-P130	14.000	12.126	18.500	7.252	6.000	16.500	1.187	152.12	348.33
14"	120	A-P120	14.000	11.811	18.500	7.252	6.000	16.500	1.250	182.98	354.94
14"	140	A-P120	14.000	11.496	18.500	7.252	6.000	16.500	1.250	187.39	354.94
14"	160	A-P112	14.000	11.189	18.500	7.252	6.000	16.500	1.125	205.03	357.15
14"	0,984inch	A-P120	14.000	12.031	18.500	7.252	6.000	16.500	1.250	176.37	354.94
14"	1,374inch	A-P112	14.000	11.252	18.500	7.252	6.000	16.500	1.125	202.82	357.15
14"	1,374inch	A-P120	14.000	11.252	18.500	7.252	6.000	16.500	1.250	191.80	354.94
14"	1,417inch	A-P112	14.000	11.165	18.500	7.252	6.000	16.500	1.125	205.03	357.15



Heavy Duty Hubs (inch)

NPS	SCH.	G-LOK® SIZE	PIPE O.D.	INSIDE DIAMETER	OUTSIDE DIAMETER	BW HUB LENGTH	BLIND HUB LENGTH	HUB BACK FACE Ø	LIP THICKNESS	BW HUB WEIGHT	BLIND HUB WEIGHT
			A (inch)	B (inch)	C (inch)	D (inch)	D1 (inch)	E (inch)	F (inch)	lb	lb
14"	1,496inch	A-P112	14.000	11.008	18.500	7.252	6.000	16.500	1.125	209.44	357.15
14"	1,574inch	A-P112	14.000	10.850	18.500	7.252	6.000	16.500	1.125	211.64	357.15
14"	2,165inch	A-P97	14.000	9.669	18.500	7.252	5.748	16.500	1.250	257.94	348.33
14"	2,362inch	A-P94	14.000	9.276	18.500	7.252	5.748	16.500	1.250	268.96	350.53
16"	60	S152	16.000	14.685	21.000	7.874	6.378	19.000	1.688	218.26	496.04
16"	100	S140	16.000	13.937	21.000	7.874	6.378	19.000	1.688	266.76	502.65
16"	120	S140	16.000	13.567	21.000	7.874	6.378	19.000	1.688	277.78	502.65
16"	120	S137	16.000	13.567	21.000	7.874	6.378	19.000	1.625	279.98	502.65
16"	140	S140	16.000	13.126	21.000	7.874	6.378	19.000	1.688	284.39	502.65
16"	140	S137	16.000	13.126	21.000	7.874	6.378	19.000	1.625	288.80	502.65
16"	160	S130	16.000	12.811	21.000	7.874	7.008	19.000	1.688	317.46	559.97
16"	1,102inch	S140	16.000	13.795	21.000	7.874	6.378	19.000	1.688	271.17	502.65
16"	1,374inch	S134	16.000	13.252	21.000	7.874	7.008	19.000	1.688	297.62	557.76
16"	1,574inch	S130	16.000	12.850	21.000	7.874	7.008	19.000	1.688	317.46	559.97
16"	1,771inch	S130	16.000	12.457	21.000	7.874	7.008	19.000	1.688	326.28	559.97
16"	1,968inch	S120	16.000	12.063	21.000	7.874	7.480	19.000	1.751	357.15	604.06
16"	2,165inch	S120	16.000	11.669	21.000	7.874	7.480	19.000	1.751	365.96	604.06
16"	2,559inch	S112	16.000	10.882	21.000	7.874	7.480	19.000	1.625	394.62	606.27
18"	60	U170	18.000	16.504	25.000	8.748	7.126	23.000	1.625	388.01	806.88
18"	100	U160	18.000	15.685	25.000	8.748	7.244	23.000	1.625	447.53	837.75
18"	120	U152	18.000	15.252	25.000	8.748	7.244	23.000	1.625	480.60	842.16
18"	160	U152	18.000	14.441	25.000	8.748	7.244	23.000	1.625	507.06	842.16
18"	160	U144	18.000	14.441	25.000	8.748	7.244	23.000	1.625	526.90	846.57
18"	1,374inch	U152	18.000	15.252	25.000	8.748	7.244	23.000	1.625	480.60	842.16
18"	1,732inch	U152	18.000	14.535	25.000	8.748	7.244	23.000	1.625	504.85	842.16
18"	1,771inch	U152	18.000	14.457	25.000	8.748	7.244	23.000	1.625	507.06	842.16
18"	1,968inch	U152	18.000	14.063	25.000	8.748	7.244	23.000	1.625	511.47	842.16
18"	2,165inch	U140	18.000	13.669	25.000	8.748	7.244	23.000	1.625	564.38	848.77
18"	2,362inch	U134	18.000	13.276	25.000	8.748	7.244	23.000	1.625	586.42	853.18
20"	40	3V210	20.000	18.811	26.000	9.000	5.252	24.000	1.250	205.03	584.22
20"	60	3V185	20.000	18.378	26.000	9.000	7.362	24.000	1.250	465.17	892.86
20"	60	3V192	20.000	18.378	26.000	9.000	6.260	24.000	1.250	343.92	742.95
20"	100	3V180	20.000	17.441	26.000	9.000	7.126	24.000	1.250	425.49	866.41
20"	120	3V170	20.000	17.000	26.000	9.000	7.362	24.000	1.250	473.99	906.09
20"	160	3V170	20.000	16.063	26.000	9.000	7.362	24.000	1.250	504.85	906.09
20"	160	3V162	20.000	16.063	26.000	9.000	7.362	24.000	1.250	480.60	906.09
20"	1,374inch	3V180	20.000	17.252	26.000	9.000	7.126	24.000	1.250	432.10	866.41
20"	2,165inch	3V160	20.000	15.669	26.000	9.000	7.008	24.000	1.250	555.56	875.23
20"	2,362inch	3V152	20.000	15.276	26.000	9.000	7.008	24.000	1.250	586.42	879.64
20"	2,559inch	3V152	20.000	14.882	26.000	9.000	7.008	24.000	1.250	601.86	879.64
24"	40	3Y244	24.000	22.630	31.252	10.000	7.126	29.252	1.625	533.51	1243.39
24"	60	3Y220	24.000	22.063	31.252	10.000	9.646	29.252	1.625	716.50	1754.86
24"	100	3Y210	24.000	20.937	31.252	10.000	7.992	29.252	1.625	822.32	1450.63
24"	120	3Y210	24.000	20.378	31.252	10.000	7.992	29.252	1.625	853.18	1450.63
24"	160	3Y200	24.000	19.315	31.252	10.000	7.992	29.252	1.625	947.98	1474.88
24"	2,559inch	3Y192	24.000	18.882	31.252	10.000	7.992	29.252	1.625	998.68	1481.49
26"	160	26GR210	26.000	20.921	31.252	10.000	7.992	29.252	1.625	1078.05	1496.92
28"	2,362inch	28GR232	28.000	23.276	39.067	13.740	9.843	37.067	1.625	1891.55	2929.91
30"	140	30GR248	30.000	24.843	39.067	12.740	9.843	37.067	1.625	1726.20	2905.66
30"	1,251inch	30GR280	30.000	27.496	39.067	12.740	9.843	37.067	1.625	1344.81	2865.98
32"	120	32GR270	32.000	27.165	42.795	14.559	11.811	40.787	1.625	2112.01	3432.56
34"	60	34GR320	34.000	31.256	42.795	13.583	11.811	40.787	1.625	1525.58	3357.61
36"	2,952inch	36GR303	36.000	30.094	42.795	13.583	11.811	40.787	1.625	1865.09	3436.97

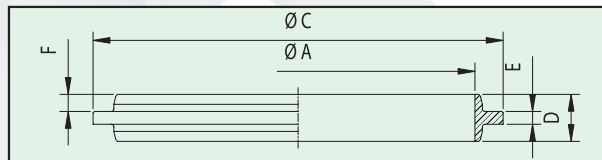


Seal Ring (mm - inch)

G-LOK® sealrings are offered in a comprehensive range including. AISI 4140, A564 GR 630 (17-4PH) and Alloy 718. They are coated with either PTFE or MOS₂ to provide lubrication during make-up. Sealrings manufactured of materials or with coatings other than those specified in the table can be available to meet specific service conditions. For applications greater than 400° C, consult Galperti Engineering for advice on materials and coatings. All G-LOK® sealrings meet the hardness requirements of NACE MR-01-75. For easy identification G-LOK® sealrings are coloured.

SEAL RING COLOR & MATERIAL

GREEN	BLACK	BLUE
4140	A564 Gr. 630	others



SIZE	INSIDE DIAMETER A		OUTSIDE DIAMETER C		OVERAL THICKNESS D		RIB THICKNESS E		LIP DEPTH F		SEALRING WEIGHT	
	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(kg)	(lb)
4	12.79	0.504	25.40	1.000	9.53	0.375	3.17	0.125	3.18	0.125	0.01	0.022
5	15.96	0.628	27.80	1.094	9.53	0.375	3.17	0.125	3.18	0.125	0.01	0.022
7	23.08	0.909	34.90	1.374	9.53	0.375	3.17	0.125	3.18	0.125	0.02	0.044
8	25.55	1.006	40.80	1.606	9.53	0.375	3.17	0.125	3.18	0.125	0.03	0.066
11	28.73	1.131	44.00	1.732	9.53	0.375	3.17	0.125	3.18	0.125	0.03	0.066
13	38.10	1.500	60.30	2.374	9.61	0.378	3.17	0.125	3.22	0.127	0.05	0.110
14	40.90	1.610	66.70	2.626	14.29	0.563	6.35	0.250	3.97	0.156	0.13	0.287
16	47.71	1.878	68.30	2.689	15.87	0.625	6.35	0.250	4.76	0.187	0.12	0.265
20	53.24	2.096	82.50	3.248	19.05	0.750	6.35	0.250	6.35	0.250	0.20	0.441
23	61.21	2.410	88.90	3.500	19.05	0.750	6.35	0.250	6.35	0.250	0.20	0.441
25	69.15	2.722	101.60	4.000	19.05	0.750	6.35	0.250	6.35	0.250	0.30	0.661
27	78.71	3.099	108.00	4.252	19.05	0.750	6.35	0.250	6.35	0.250	0.30	0.661
31	83.50	3.287	114.30	4.500	19.05	0.750	6.35	0.250	6.35	0.250	0.30	0.661
34	94.66	3.727	127.00	5.000	19.05	0.750	6.35	0.250	6.35	0.250	0.40	0.882
40	104.32	4.107	139.70	5.500	25.40	1.000	6.34	0.250	9.53	0.375	0.50	1.102
42	107.50	4.232	168.30	6.626	25.40	1.000	6.34	0.250	9.53	0.375	0.90	1.984
46	121.85	4.797	157.20	6.189	25.40	1.000	6.34	0.250	9.53	0.375	0.60	1.323
52	136.14	5.360	168.30	6.626	25.40	1.000	6.34	0.250	9.53	0.375	0.60	1.323
53	139.70	5.500	171.90	6.768	25.40	1.000	6.34	0.250	9.53	0.375	0.61	1.345
54	139.70	5.500	173.10	6.815	25.40	1.000	6.34	0.250	9.53	0.375	0.66	1.455
56	147.25	5.797	190.50	7.500	25.40	1.000	6.34	0.250	9.53	0.375	0.80	1.764
62	156.50	6.161	200.00	7.874	34.93	1.375	9.53	0.375	12.70	0.500	1.50	3.307
64	167.60	6.598	222.40	8.756	34.93	1.375	9.53	0.375	12.70	0.500	1.90	4.189
67	177.14	6.974	222.30	8.752	34.93	1.375	9.53	0.375	12.70	0.500	1.70	3.748
72	186.70	7.350	241.30	9.500	34.93	1.375	9.53	0.375	12.70	0.500	2.00	4.409
73	190.38	7.495	245.00	9.646	34.93	1.375	9.53	0.375	12.70	0.500	2.00	4.409
74	193.04	7.600	247.60	9.748	34.93	1.375	9.53	0.375	12.70	0.500	2.10	4.630
76	199.40	7.850	254.00	10.000	34.93	1.375	9.53	0.375	12.70	0.500	2.20	4.850
82	212.10	8.350	257.20	10.126	34.93	1.375	9.53	0.375	12.70	0.500	2.00	4.409
84	218.40	8.598	282.60	11.126	34.93	1.375	9.53	0.375	12.70	0.500	2.70	5.952
87	227.90	8.972	282.60	11.126	34.93	1.375	9.53	0.375	12.70	0.500	2.40	5.291
91	231.70	9.122	330.40	13.008	35.45	1.396	9.56	0.376	12.95	0.510	4.20	9.259
92	235.00	9.252	297.40	11.709	34.93	1.375	9.53	0.375	12.70	0.500	2.90	6.393
94	243.80	9.598	304.80	12.000	34.93	1.375	9.53	0.375	12.70	0.500	2.80	6.173
97	253.30	9.972	304.80	12.000	34.93	1.375	9.53	0.375	12.70	0.500	2.60	5.732
102	262.90	10.350	304.80	12.000	34.93	1.375	9.53	0.375	12.70	0.500	2.30	5.071



Seal Ring (mm - inch)

SIZE	INSIDE DIAMETER A		OUTSIDE DIAMETER C		OVERAL THICKNESS D		RIB THICKNESS E		LIP DEPTH F		SEALRING WEIGHT	
	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(kg)	(lb)
106	275.60	10.850	323.90	12.752	34.93	1.375	9.53	0.375	12.70	0.500	2.70	5.952
112	288.30	11.350	358.80	14.126	41.28	1.625	15.88	0.625	12.70	0.500	5.50	12.125
114	292.87	11.530	343.00	13.504	35.31	1.390	9.51	0.374	12.90	0.508	3.00	6.614
116	298.45	11.750	358.80	14.126	34.93	1.375	9.53	0.375	12.70	0.500	3.26	7.187
120	308.30	12.138	352.40	13.874	34.93	1.375	9.53	0.375	12.70	0.500	2.70	5.952
122	314.70	12.390	358.80	14.126	34.93	1.375	9.53	0.375	12.70	0.500	2.70	5.952
124	317.50	12.500	371.50	14.626	35.33	1.391	9.53	0.375	12.90	0.508	3.70	8.157
125	320.64	12.624	368.35	14.502	35.34	1.391	9.60	0.378	12.87	0.507	3.30	7.275
130	332.20	13.079	381.00	15.000	38.10	1.500	12.70	0.500	12.70	0.500	3.90	8.598
134	344.90	13.579	393.70	15.500	38.10	1.500	12.70	0.500	12.70	0.500	4.10	9.039
137	354.40	13.953	419.10	16.500	41.28	1.625	15.88	0.625	12.70	0.500	6.20	13.669
140	357.60	14.079	419.10	16.500	38.10	1.500	12.70	0.500	12.70	0.500	5.00	11.023
144	370.30	14.579	431.80	17.000	38.10	1.500	12.70	0.500	12.70	0.500	5.20	11.464
152	389.30	15.327	450.90	17.752	38.10	1.500	12.70	0.500	12.70	0.500	5.50	12.125
160	408.40	16.079	469.90	18.500	38.10	1.500	12.70	0.500	12.70	0.500	5.70	12.566
162	412.63	16.245	470.00	18.504	38.43	1.513	12.73	0.501	12.85	0.506	5.80	12.787
170	433.50	17.067	495.30	19.500	44.50	1.752	12.70	0.500	15.90	0.626	6.70	14.771
180	459.10	18.075	520.70	20.500	44.50	1.752	12.70	0.500	15.90	0.626	7.10	15.653
185	473.10	18.626	540.00	21.260	44.50	1.752	12.70	0.500	15.90	0.626	7.50	16.535
192	490.70	19.319	558.80	22.000	44.50	1.752	12.70	0.500	15.90	0.626	8.10	17.857
200	509.70	20.067	577.90	22.752	44.50	1.752	12.70	0.500	15.90	0.626	8.40	18.519
210	535.30	21.075	609.60	24.000	50.80	2.000	12.70	0.500	19.05	0.750	10.20	22.487
212	541.65	21.325	616.00	24.252	50.80	2.000	12.70	0.500	19.05	0.750	9.98	22.002
213	544.80	21.449	619.10	24.374	50.80	2.000	12.70	0.500	19.05	0.750	10.40	22.928
220	561.10	22.091	635.00	25.000	50.80	2.000	12.70	0.500	19.05	0.750	10.50	23.148
232	592.90	23.343	666.80	26.252	50.80	2.000	12.70	0.500	19.05	0.750	11.10	24.471
240	612.40	24.110	692.20	27.252	50.80	2.000	12.70	0.500	19.05	0.750	11.60	25.573
244	625.10	24.610	704.90	27.752	50.80	2.000	12.70	0.500	19.05	0.750	12.20	26.896
248	635.30	25.012	715.10	28.154	50.80	2.000	12.70	0.500	19.05	0.750	11.90	26.235
251	642.00	25.276	721.80	28.417	50.80	2.000	12.70	0.500	19.05	0.750	12.00	26.455
254	650.90	25.626	736.60	29.000	50.80	2.000	12.70	0.500	19.05	0.750	12.70	27.998
260	663.60	26.126	749.30	29.500	50.80	2.000	12.70	0.500	19.05	0.750	13.50	29.762
264	676.30	26.626	762.00	30.000	50.80	2.000	12.70	0.500	19.05	0.750	13.70	30.203
270	690.00	27.165	775.70	30.539	50.80	2.000	12.70	0.500	19.05	0.750	13.50	29.762
280	714.90	28.146	797.00	31.378	50.80	2.000	12.70	0.500	19.05	0.750	13.90	30.644
292	746.60	29.394	819.20	32.252	50.80	2.000	12.70	0.500	19.05	0.750	13.20	29.101
303	768.40	30.252	841.00	33.110	50.80	2.000	12.70	0.500	19.05	0.750	13.10	28.880
320	828.20	32.606	900.80	35.465	50.80	2.000	12.70	0.500	19.05	0.750	14.10	31.085
330	841.85	33.144	914.50	36.004	50.80	2.000	12.70	0.500	19.05	0.750	14.30	31.526
338	860.00	33.858	932.60	36.717	50.80	2.000	12.70	0.500	19.05	0.750	14.60	32.187
344	879.95	34.644	974.00	38.346	50.80	2.000	12.70	0.500	19.05	0.750	18.30	40.344
354	900.00	35.433	994.00	39.134	50.80	2.000	12.70	0.500	19.05	0.750	18.70	41.226
378	954.00	37.559	1070.00	42.126	50.80	2.000	12.70	0.500	19.05	0.750	31.20	68.784
390	986.00	38.819	1080.00	42.520	50.80	2.000	12.70	0.500	19.05	0.750	20.40	44.974



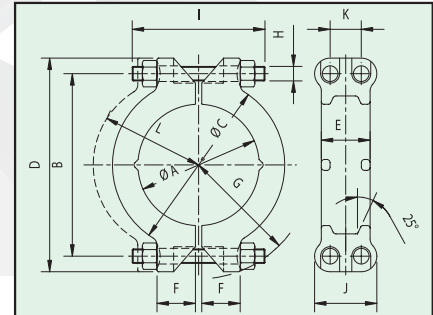
Clamp (mm)

G-LOK® clamps are manufactured in low alloy steel AISI 4140 or A320L7 or A487 GR 10A/4D or Stainless Steel.

Other material grades and additional sizes can be supplied on request. Low alloy steel clamps are coated with a green industrial paint system for standard supply.

Clamps are supplied complete with stud bolting in either A193 B7, A320 L7, or A193 B8 grades. Bolting is supplied hot dip galvanized as standard, UNC/8UN thread series, and spherically faced heavy hex nuts. Other coating and bolt supply options are available on request. Spherical washers are also available on request.

Refer to page 7 for bolting and assembly procedures.



STANDARD CLAMPS

CL.	Clamp I.D. A (mm)	Bolt Centres B (mm)	Clamp O.D. C (mm)	Overall Length D (mm)	Clamp Width E (mm)	Lug Height F (mm)	Clamp Clearance G (mm)	Bolt Ø H (mm)	Bolt Length ⁽²⁾ I (mm)	Bolt lug Width J (mm)	Bolt Pitch K (mm)	Assembly Clearance L (mm)	Clamp Weight (Kg)
1	43	81	71	108	35	25	67	1/2"	92	59	32	52	1.7
1.5	68	127	114	165	51	37	97	5/8"	127	79	41	80	4.6
2	81	146	129	190	51	41	111	3/4"	138	90	46	89	6.4
3	111	191	175	234	60	52	136	3/4"	162	89	46	121	10
4	137	216	206	267	60	62	156	7/8"	191	105	52	140	14
5	175	260	248	314	76	73	184	1"	224	113	59	164	22
6	213	321	305	381	89	76	217	1-1/8"	253	122	62	205	34
8	270	387	368	464	90	86	256	1-1/4"	285	149	73	242	51
10H	311	464	454	559	143	118	316	1-5/8"	373	188	92	305	105
12M	372	559	527	654	149	118	364	1-3/4"	406	191	95	349	140
X14	416	565	543	660	127	129	373	1-5/8"	432	187	92	343	110
X16	473	610	600	705	127	156	411	1-3/4"	495	194	98	376	130
X18	530	654	657	749	127	170	445	1-7/8"	546	203	105	409	135
X20	600	719	740	818	127	205	497	2"	629	216	111	455	120
X24	719	870	878	987	165	221	577	2-1/4"	686	241	127	547	300

LIGHT WEIGHT CLAMPS

CL.	Clamp I.D. A (mm)	Bolt Centres B (mm)	Clamp O.D. C (mm)	Overall Length D (mm)	Clamp Width E (mm)	Lug Height F (mm)	Clamp Clearance G (mm)	Bolt Ø H (mm)	Bolt Length ⁽²⁾ I (mm)	Bolt lug Width J (mm)	Bolt Pitch K (mm)	Assembly Clearance L (mm)	Clamp Weight (Kg)
14	416	565	533	660	102	118	360	1-5/8"	373	187	92	338	105
16	473	622	584	718	102	124	394	1-3/4"	419	194	98	368	117
18	530	686	645	781	102	127	343	1-7/8"	464	203	105	402	137
20	600	765	718	864	102	140	473	2"	470	216	111	444	164
24	719	927	870	1041	146	156	560	2-1/4"	527	241	127	543	296

HEAVY DUTY CLAMPS

CL.	Clamp I.D. A (mm)	Bolt Centres B (mm)	Clamp O.D. C (mm)	Overall Length D (mm)	Clamp Width E (mm)	Lug Height F (mm)	Clamp Clearance G (mm)	Bolt Ø H (mm)	Bolt Length ⁽²⁾ I (mm)	Bolt lug Width J (mm)	Bolt Pitch K (mm)	Assembly Clearance L (mm)	Clamp Weight (Kg)
B	105	184	175	229	73	59	141	7/8"	181	99	51	120	13
C	124	203	197	254	76	62	151	7/8"	189	103	52	133	16
D	156	243	229	299	76	68	175	1"	211	113	59	153	20
E	175	260	248	314	76	73	184	1"	224	113	59	164	22
F	213	321	305	381	89	76	217	1-1/8"	253	122	62	205	34
XF	213	343	327	406	102	83	234	1-1/4"	279	130	70	216	48
ZX	246	410	388	485	125	105	273	1-1/4"	325	150	75	250	90
G	257	406	375	477	116	89	271	1-3/8"	322	152	80	259	64
XG	257	406	381	508	127	114	284	1-3/8"	365	152	80	262	81
X8	270	413	384	483	105	86	271	1-3/8"	287	152	83	251	59
X10H	311	495	464	591	165	119	338	1-3/4"	407	191	95	310	145
X12M	372	591	546	692	184	132	398	2"	470	216	114	358	225
R	435	572	581	670	146	175	400	1-7/8"	559	203	108	382	171
A-P	435	635	584	737	154	114	403	2"	419	210	108	383	175
5P	435	711	651	838	203	143	465	2-1/2"	508	267	140	417	360
T	500	689	645	781	159	127	435	2"	457	216	114	418	192
S	500	765	699	892	229	149	500	2-1/2"	559	267	140	445	440
U	602	860	794	991	222	165	541	2-1/2"	559	279	140	501	450
V	627	762	805	870	165	233	535	2-1/4"	686	235	127	509	330
3V	627	889	837	997	203	152	563	2-1/4"	610	235	127	524	440
5V	627	953	887	1080	248	178	593	2-1/2"	610	279	140	550	720
W	716	914	864	1016	159	165	566	2-1/4"	578	235	127	545	484
3W	716	940	926	1054	203	241	627	2-1/2"	749	279	140	576	534
Y	760	984	953	1111	229	221	642	2-3/4"	730	279	152	593	570
3Y	760	1137	1080	1299	322	222	711	3-1/4"	762	362	191	656	1372
28"-30" ⁽¹⁾	959	1373	1279	1545	336	230	810	3-1/4"	762	376	205	770	2057
32"-34"-36" ⁽¹⁾	1054	1468	1354	1640	322	222	853	3-1/4"	762	362	191	813	2066

Note: (1) Clamps 28" and larger are three-pieces, six bolts, (2) Other lengths are available on request for hydraulic tensioning tools.



Clamp (inch)

STANDARD CLAMPS

CL.	Clamp I.D. A (inch)	Bolt Centres B (inch)	Clamp O.D. C (inch)	Overall Length D (inch)	Clamp Width E (inch)	Lug Height F (inch)	Clamp Clearance G (inch)	Bolt Ø H (inch)	Bolt Length ⁽²⁾ I (inch)	Bolt lug Width J (inch)	Bolt Pitch K (inch)	Assembly Clearance L (inch)	Clamp Weight (lb)
1	1.69	3.19	2.81	4.25	1.37	1.00	2.64	1/2"	3.61	2.31	1.25	2.04	3.75
1.5	2.69	5.00	4.50	6.50	2.00	1.44	3.82	5/8"	5.00	3.13	1.63	3.15	10.14
2	3.19	5.75	5.06	7.48	2.00	1.62	4.37	3/4"	5.43	3.55	1.81	3.49	14.11
3	4.37	7.50	6.87	9.21	2.37	2.06	5.35	3/4"	6.38	3.50	1.81	4.75	22.05
4	5.37	8.50	8.13	10.50	2.37	2.44	6.14	7/8"	7.52	4.13	2.06	5.50	30.86
5	6.87	10.25	9.75	12.37	3.00	2.87	7.24	1"	8.80	4.44	2.31	6.47	48.50
6	8.38	12.63	12.00	15.00	3.50	3.00	8.54	1-1/8"	9.98	4.81	2.44	8.06	74.96
8	10.63	15.25	14.50	18.25	3.56	3.38	10.08	1-1/4"	11.23	5.87	2.88	9.55	112.43
10H	12.25	18.25	17.86	22.00	5.63	4.63	12.44	1-5/8"	14.67	7.38	3.63	12.01	231.48
12M	14.63	22.00	20.76	25.75	5.88	4.63	14.33	1-3/4"	16.00	7.50	3.75	13.72	308.64
X14	16.37	22.25	21.37	26.00	5.00	5.06	14.69	1-5/8"	17.00	7.37	3.63	13.50	242.51
X16	18.63	24.00	23.63	27.75	5.00	6.13	16.18	1-3/4"	19.50	7.63	3.87	14.80	286.60
X18	20.87	25.75	25.87	29.50	5.00	6.69	17.52	1-7/8"	21.50	8.00	4.13	16.09	297.62
X20	23.63	28.31	29.13	32.19	5.00	8.06	19.57	2"	24.75	8.50	4.37	17.90	264.55
X24	28.31	34.25	34.56	38.87	6.50	8.69	22.72	2-1/4"	27.01	9.50	5.00	21.53	661.388

LIGHT WEIGHT CLAMPS

CL.	Clamp I.D. A (inch)	Bolt Centres B (inch)	Clamp O.D. C (inch)	Overall Length D (inch)	Clamp Width E (inch)	Lug Height F (inch)	Clamp Clearance G (inch)	Bolt Ø H (inch)	Bolt Length ⁽²⁾ I (inch)	Bolt lug Width J (inch)	Bolt Pitch K (inch)	Assembly Clearance L (inch)	Clamp Weight (lb)
14	16.37	22.25	21.00	26.00	4.00	4.63	14.17	1-5/8"	14.67	7.37	3.63	13.32	231.48
16	18.63	24.50	23.00	28.25	4.00	4.88	15.51	1-3/4"	16.50	7.63	3.87	14.48	257.94
18	20.87	27.00	25.37	30.75	4.00	5.00	13.50	1-7/8"	18.27	8.00	4.13	15.84	302.03
20	23.63	30.13	28.25	34.00	4.00	5.50	18.62	2"	18.50	8.50	4.37	17.47	361.55
24	28.31	36.50	34.25	40.98	5.75	6.13	22.05	2-1/4"	20.75	9.50	5.00	21.37	652.56

HEAVY DUTY CLAMPS

Clamp CL.	Bolt I.D. A (inch)	Clamp Centres B (inch)	Overall O.D. C (inch)	Clamp Length D (inch)	Lug Width E (inch)	Lug Height F (inch)	Clamp Clearance G (inch)	Bolt Ø H (inch)	Bolt Length ⁽²⁾ I (inch)	Bolt lug Width J (inch)	Bolt Pitch K (inch)	Assembly Clearance L (inch)	Clamp Weight (lb)
B	4.13	7.25	6.87	9.00	2.87	2.31	5.55	7/8"	7.13	3.91	2.00	4.71	28.66
C	4.87	8.00	7.75	10.00	3.00	2.44	5.94	7/8"	7.46	4.06	2.06	5.25	35.27
D	6.13	9.56	9.00	11.75	3.00	2.69	6.89	1"	8.31	4.44	2.31	6.02	44.09
E	6.87	10.25	9.75	12.37	3.00	2.87	7.24	1"	8.80	4.44	2.31	6.47	48.50
F	8.38	12.63	12.00	15.00	3.50	3.00	8.54	1-1/8"	9.98	4.81	2.44	8.06	74.96
XF	8.37	13.50	12.87	15.98	4.02	3.27	9.21	1-1/4"	11.00	5.12	2.76	8.50	105.82
ZX	9.69	16.14	15.28	19.09	4.92	4.13	10.75	1-1/4"	12.80	5.91	2.95	9.83	198.41
G	10.13	16.00	14.76	18.78	4.57	3.50	10.67	1-3/8"	12.66	6.00	3.15	10.21	141.09
XG	10.13	16.00	15.00	20.00	5.00	4.50	11.18	1-3/8"	14.37	6.00	3.15	10.32	178.57
X8	10.62	16.25	15.12	19.00	4.12	3.38	10.67	1-3/8"	11.31	6.00	3.25	9.87	130.07
X10H	12.25	19.50	18.25	23.25	6.50	4.69	13.31	1-3/4"	16.01	7.50	3.75	12.21	319.67
X12M	14.63	23.25	21.50	27.25	7.24	5.19	15.67	2"	18.50	8.50	4.50	14.09	496.04
R	17.13	22.50	22.88	26.37	5.75	6.87	15.75	1-7/8"	22.00	8.00	4.25	15.04	376.99
A-P	17.13	25.00	23.00	29.00	6.06	4.50	15.87	2"	16.50	8.25	4.25	15.10	385.81
5P	17.13	28.00	25.63	33.00	8.00	5.63	18.31	2-1/2"	20.00	10.50	5.50	16.41	793.66
T	19.69	27.13	25.37	30.75	6.25	5.00	17.13	2"	17.99	8.50	4.50	16.44	423.28
S	19.69	30.13	27.50	35.13	9.00	5.87	19.69	2-1/2"	22.00	10.50	5.50	17.50	970.02
U	23.69	33.87	31.25	39.00	8.75	6.50	21.30	2-1/2"	22.00	11.00	5.50	19.73	992.07
V	24.69	30.00	31.69	34.25	6.50	9.19	21.06	2-1/4"	27.00	9.25	5.00	20.02	727.52
3V	24.69	35.00	32.94	39.25	8.00	6.00	22.17	2-1/4"	24.00	9.25	5.00	20.65	970.02
5V	24.69	37.50	34.94	42.50	9.75	7.00	23.35	2-1/2"	24.00	11.00	5.50	21.65	1587.31
W	28.19	36.00	34.00	40.00	6.25	6.50	22.28	2-1/4"	22.76	9.25	5.00	21.45	1067.03
3W	28.19	37.00	36.44	41.50	8.00	9.50	24.69	2-1/2"	29.49	11.00	5.50	22.67	1177.26
Y	29.94	38.75	37.50	43.75	9.00	8.69	25.28	2-3/4"	28.75	11.00	6.00	23.33	1256.62
3Y	29.94	44.76	42.50	51.14	12.69	8.75	27.99	3-1/4"	30.00	14.25	7.50	25.83	3024.71
28"-30" ⁽¹⁾	37.75	54.07	50.35	60.82	13.23	9.06	31.87	3-1/4"	30.00	14.80	8.05	30.30	4534.86
32"-34"-36" ⁽¹⁾	41.48	57.80	53.29	64.55	12.69	8.75	33.58	3-1/4"	30.00	14.26	7.50	32.00	4554.7

Note: (1) Clamps 28" and larger are three-pieces, six bolts, (2) Other lengths are available on request for hydraulic tensioning tools.



Pressure Temperature Rating – Carbon Steel

STANDARD SERIES

Clamp material: AISI 4140/A487 GR 10A - 4D - A320L7

Hub material: A694 F52

Seal Ring material: AISI 4140

ANSI ratings have been calculated based on allowable stresses as per

ASME/ANSI B 31.3

All figures are based on "zero" corrosion allowance

All figures are based on the maximum bore through connector

PRESSURE RATING (BAR - PSI)

NOM. SIZE	G- LOK SIZE CODE	120°F 50°C		210°F 100°C		300°F 150°C		390°F 200°C		480°F 250°C		570°F 300°C		660°F 350°C	
		BAR	PSI	BAR	PSI	BAR	PSI	BAR	PSI	BAR	PSI	BAR	PSI	BAR	PSI
1"	1 GR 4	984	14268	934	13543	911	13210	884	12818	839	12166	781	11325	773	11209
	1 GR 5	893	12949	845	12253	828	12006	803	11644	762	11049	709	10281	701	10165
	1 GR 7	572	8294	543	7874	530	7685	514	7453	488	7076	454	6583	449	6511
	1 GR 11	286	4147	272	3944	265	3843	257	3727	244	3538	227	3292	225	3263
1.5"	1.5 GR 11	861	12485	817	11847	797	11557	773	11209	734	10643	683	9904	676	9802
	1.5 GR 14	485	7033	461	6685	450	6525	436	6322	414	6003	385	5583	381	5525
2"	2 GR 14	751	10890	713	10339	696	10092	675	9788	641	9295	596	8642	590	8555
	2 GR 16	560	8120	532	7714	519	7526	503	7294	478	6931	445	6453	440	6380
	2 GR 20	414	6003	393	5699	383	5554	372	5394	353	5119	328	4756	325	4713
	3 GR 20	835	12108	792	11484	773	11209	750	10875	712	10324	662	9599	655	9498
3"	3 GR 23	726	10527	689	9991	672	9744	652	9454	619	8976	576	8352	570	8265
	3 GR 25	529	7671	502	7279	490	7105	475	6888	451	6540	420	6090	415	6018
	3 GR 27	304	4408	289	4191	282	4089	273	3959	260	3770	242	3509	239	3466
	3 GR 31	212	3074	201	2915	196	2842	190	2755	181	2625	168	2436	166	2407
	4 GR 25	818	11861	777	11267	758	10991	735	10658	698	10121	649	9411	643	9324
	4 GR 27	675	9788	641	9295	625	9063	606	8787	576	8352	536	7772	530	7685
4"	4 GR 31	576	8352	547	7932	533	7729	517	7497	491	7120	457	6627	452	6554
	4 GR 34	364	5278	345	5003	337	4887	327	4742	310	4495	289	4191	286	4147
	4 GR 40	198	2871	188	2726	184	2668	178	2581	169	2451	157	2277	156	2262
	5 GR 31	868	12586	824	11948	804	11658	780	11310	741	10745	689	9991	682	9889
	5 GR 34	780	11310	740	10730	722	10469	700	10150	665	9643	619	8976	612	8874
	5 GR 40	656	9512	623	9034	608	8816	590	8555	560	8120	521	7555	515	7468
5"	5 GR 46	400	5800	380	5510	371	5380	359	5206	341	4945	317	4597	314	4553
	5 GR 52	209	3031	199	2886	194	2813	188	2726	179	2596	166	2407	164	2378
	6 GR 40	843	12224	800	11600	781	11325	757	10977	719	10426	669	9701	662	9599
	6 GR 46	694	10063	659	9556	643	9324	623	9034	592	8584	551	7990	545	7903
	6 GR 52	507	7352	481	6975	470	6815	455	6598	433	6279	402	5829	398	5771
	6 GR 62	245	3553	233	3379	227	3292	220	3190	209	3031	195	2828	193	2799
8"	8 GR 62	658	9541	643	9324	627	9092	608	8816	578	8381	538	7801	532	7714
	8 GR 72	378	5481	359	5206	350	5075	339	4916	322	4669	300	4350	297	4307
	8 GR 76	265	3843	251	3640	245	3553	238	3451	226	3277	210	3045	208	3016
	8 GR 82	174	2523	165	2393	161	2335	156	2262	148	2146	138	2001	137	1987
10"	10 H 84	427	6192	406	5887	395	5728	388	5626	367	5322	342	4959	326	4727
	10 H 87	412	5974	394	5713	368	5336	342	4959	324	4698	312	4524	302	4379
	10 H 94	346	5017	318	4611	284	4118	265	3843	245	3553	232	3364	218	3161
12"	12 M 102	458	6641	441	6395	413	5989	398	5771	381	5525	353	5119	321	4655
	12 M 112	275	3988	268	3886	252	3654	239	3466	226	3277	206	2987	198	2871
	12 M 120	201	2915	196	2842	185	2683	166	2407	151	2190	141	2045	128	1856
14"	X14GR130	183	2654	177	2567	170	2465	168	2436	155	2248	144	2088	142	2059
	X14GR120	296	4292	264	3828	293	4249	287	4162	270	3915	249	3611	251	3640
	X14GR112	338	4901	336	4872	331	4800	326	4727	320	4640	306	4437	298	4321
16"	X16GR152	161	2335	149	2161	143	2074	136	1972	129	1871	125	1813	119	1726
	X16GR140	255	3698	249	3611	243	3524	236	3422	228	3306	210	3045	206	2987
	X16GR137	258	3741	253	3669	246	3567	239	3466	231	3350	213	3089	210	3045
	X16GR130	288	4176	286	4147	278	4031	271	3930	260	3770	241	3495	237	3437
18"	X18GR170	166	2407	160	2320	155	2248	150	2175	144	2088	135	1958	131	1900
	X18GR160	202	2929	198	2871	194	2813	189	2741	186	2697	184	2668	182	2639
	X18GR152	220	3190	215	3118	212	3074	209	3031	207	3002	203	2944	202	2929
20"	X20GR192	178	2581	170	2465	166	2407	161	2335	152	2204	143	2074	140	2030
	X20GR180	206	2987	195	2828	192	2784	188	2726	177	2567	166	2407	162	2349
	X20GR170	226	3277	214	3103	208	3016	204	2958	196	2842	187	2712	183	2654
24"	X24GR220	177	2567	176	2552	173	2509	170	2465	168	2436	167	2422	165	2393
	X24GR210	199	2886	196	2842	194	2813	192	2784	190	2755	188	2726	186	2697
	X24GR200	220	3190	216	3132	214	3103	211	3060	209	3031	206	2987	203	2944



Pressure Temperature Rating – Carbon Steel

HEAVY DUTY SERIES

Clamp material: AISI 4140/A487 GR 10A - 4D - A320L7

Hub material: A694 F52

Seal Ring material: AISI 4140

PRESSURE RATING (BAR - PSI)

NOM. SIZE	G- LOK SIZE CODE	120°F 50°C		210°F 100°C		300°F 150°C		390°F 200°C		480°F 250°C		570°F 300°C		660°F 350°C	
		BAR	PSI	BAR	PSI	BAR	PSI	BAR	PSI	BAR	PSI	BAR	PSI	BAR	PSI
2"	B 14	935	13558	887	12862	866	12557	840	12180	797	11557	742	10759	734	10643
	B 16	853	12369	810	11745	790	11455	766	11107	728	10556	677	9817	670	9715
	B 20	784	11368	744	10788	726	10527	704	10208	669	9701	622	9019	616	8932
3"	C 20	908	13166	862	12499	841	12195	816	11832	775	11238	721	10455	713	10339
	C 23	822	11919	780	11310	761	11035	738	10701	701	10165	652	9454	645	9353
	C 25	730	10585	693	10049	676	9802	655	9498	622	9019	579	8396	573	8309
	C 27	535	7758	507	7352	495	7178	480	6960	456	6612	424	6148	420	6090
4"	D 27	823	11934	782	11339	763	11064	740	10730	703	10194	654	9483	647	9382
	D 31	779	11296	740	10730	722	10469	700	10150	665	9643	618	8961	612	8874
	D 34	606	8787	594	8613	580	8410	562	8149	534	7743	497	7207	491	7120
	D 40	456	6612	432	6264	422	6119	409	5931	389	5641	362	5249	358	5191
6"	XF40	1240	17980	1200	17400	1146	16617	1114	16153	1035	15008	995	14428	960	13920
	XF46	920	13340	881	12775	826	11977	796	11542	722	10469	693	10049	639	9266
	XF56	640	9280	604	8758	566	8207	521	7555	496	7192	465	6743	419	6076
8"	X 8 62	617	8947	586	8497	572	8294	555	8048	57	827	490	7105	485	7033
	X 8 64	505	7323	479	6946	468	6786	453	6569	431	6250	401	5815	396	5742
	X 8 67	416	6032	395	5728	385	5583	373	5409	355	5148	330	4785	326	4727
	X 8 72	320	4640	304	4408	296	4292	287	4162	273	3959	254	3683	251	3640
10"	X10H 82	471	6830	447	6482	436	6322	423	6134	401	5815	373	5409	369	5351
	X10H 84	423	6134	401	5815	391	5670	380	5510	361	5235	335	4858	332	4814
	X10H 87	346	5017	328	4756	320	4640	311	4510	295	4278	274	3973	272	3944
	X10H 94	233	3379	221	3205	215	3118	209	3031	198	2871	185	2683	183	2654
	X10H 97	176	2552	167	2422	163	2364	158	2291	150	2175	140	2030	138	2001
12"	X12M 102	427	6192	405	5873	395	5728	383	5554	364	5278	339	4916	335	4858
	X12M 106	342	4959	325	4713	317	4597	308	4466	292	4234	272	3944	269	3901
	X12M 112	264	3828	250	3625	244	3538	237	3437	225	3263	209	3031	207	3002
	X12M 120	166	2407	158	2291	154	2233	150	2175	142	2059	132	1914	131	1900
14"	A - P 106	595	8628	577	8367	563	8164	546	7917	518	7511	482	6989	477	6917
	A - P 112	532	7714	505	7323	493	7149	478	6931	454	6583	423	6134	418	6061
	A - P 120	427	6192	406	5887	396	5742	384	5568	365	5293	339	4916	336	4872
	A - P 130	280	4060	265	3843	259	3756	251	3640	239	3466	222	3219	220	3190
16"	S 112	763	11064	724	10498	707	10252	685	9933	651	9440	605	8773	599	8686
	S 120	689	9991	654	9483	638	9251	619	8976	588	8526	547	7932	541	7845
	S 130	551	7990	523	7584	510	7395	495	7178	470	6815	437	6337	433	6279
	S 134	488	7076	464	6728	452	6554	439	6366	417	6047	388	5626	383	5554
	S 137	443	6424	421	6105	411	5960	398	5771	378	5481	352	5104	348	5046
	S 140	429	6221	407	5902	397	5757	385	5583	366	5307	340	4930	337	4887
	S 152	278	4031	264	3828	257	3727	250	3625	237	3437	221	3205	218	3161
18"	U 152	390	5655	371	5380	354	5133	335	4858	311	4510	296	4292	289	4191
	U 160	355	5148	340	4930	323	4684	306	4437	291	4220	276	4002	268	3886
	U 170	316	4582	299	4336	287	4162	273	3959	258	3741	244	3538	236	3422
20"	3V 160	385	5583	363	5264	345	5003	331	4800	312	4524	296	4292	289	4191
	3V 170	337	4887	324	4698	310	4495	293	4249	276	4002	261	3785	254	3683
	3V 180	316	4582	300	4350	292	4234	284	4118	269	3901	250	3625	248	3596
	3V 192	241	3495	227	3292	220	3190	214	3103	200	2900	184	2668	179	2596
24"	3Y 192	534	7743	525	7613	510	7395	493	7149	478	6931	433	6279	416	6032
	3Y 200	516	7482	518	7511	503	7294	482	6989	452	6554	418	6061	402	5829
	3Y 210	453	6569	427	6192	416	6032	403	5844	379	5496	347	5032	341	4945
	3Y 220	365	5293	342	4959	335	4858	324	4698	307	4452	282	4089	276	4002



Pressure Temperature Rating Stainless Steel

STANDARD SERIES

Clamp material: AISI 4140/A487 GR 10A - 4D - A320L7

Hub material: A182 F316

Seal Ring material: A564 GR 630

PRESSURE RATING (BAR - PSI)

ANSI ratings have been calculated
based on allowable stresses as per
ASME/ANSI B 31.3

All figures are based on "zero" corrosion allowance
All figures are based on the maximum
bore through connector

NOM. SIZE	G- LOK SIZE CODE	120°F 50°C		210°F 100°C		300°F 150°C		390°F 200°C		480°F 250°C		570°F 300°C		660°F 350°C	
		BAR	PSI	BAR	PSI	BAR	PSI	BAR	PSI	BAR	PSI	BAR	PSI	BAR	PSI
1"	1 GR 4	803	11644	706	10237	646	9367	595	8628	559	8106	530	7685	524	7598
	1 GR 5	746	10817	656	9512	600	8700	553	8019	519	7526	493	7149	487	7062
	1 GR 7	564	8178	496	7192	453	6569	418	6061	392	5684	372	5394	368	5336
	1 GR 11	330	4785	290	4205	265	3843	244	3538	229	3321	218	3161	215	3118
1.5"	1.5 GR 11	700	10150	616	8932	563	8164	519	7526	487	7062	462	6699	457	6627
	1.5 GR 14	450	6525	395	5728	361	5235	333	4829	313	4539	297	4307	294	4263
2"	2 GR 14	620	8990	546	7917	499	7236	459	6656	432	6264	409	5931	405	5873
	2 GR 16	493	7149	434	6293	397	5757	365	5293	343	4974	326	4727	322	4669
	2 GR 20	359	5206	316	4582	289	4191	266	3857	250	3625	237	3437	235	3408
	3 GR 20	663	9614	583	8454	533	7729	491	7120	461	6685	438	6351	433	6279
3"	3 GR 23	584	8468	514	7453	469	6801	433	6279	406	5887	385	5583	381	5525
	3 GR 25	433	6279	381	5525	349	5061	321	4655	302	4379	286	4147	283	4104
	3 GR 27	264	3828	232	3364	212	3074	195	2828	183	2654	174	2523	172	2494
	3 GR 31	132	1914	116	1682	106	1537	98	1421	92	1334	87	1262	86	1247
	4 GR 25	645	9353	568	8236	519	7526	478	6931	449	6511	426	6177	421	6105
4"	4 GR 27	536	7772	472	6844	431	6250	397	5757	373	5409	354	5133	350	5075
	4 GR 31	461	6685	406	5887	371	5380	342	4959	321	4655	305	4423	301	4365
	4 GR 34	303	4394	267	3872	244	3538	225	3263	211	3060	200	2900	198	2871
	4 GR 40	174	2523	153	2219	140	2030	129	1871	121	1755	115	1668	113	1639
	5 GR 31	677	9817	596	8642	545	7903	502	7279	471	6830	447	6482	442	6409
	5 GR 34	612	8874	539	7816	492	7134	454	6583	426	6177	404	5858	400	5800
5"	5 GR 40	517	7497	455	6598	416	6032	383	5554	360	5220	341	4945	337	4887
	5 GR 46	324	4698	285	4133	260	3770	240	3480	225	3263	214	3103	211	3060
	5 GR 52	177	2567	156	2262	143	2074	131	1900	123	1784	117	1697	116	1682
	6 GR 40	655	9498	576	8352	527	7642	485	7033	456	6612	432	6264	428	6206
	6 GR 46	542	7859	477	6917	436	6322	401	5815	377	5467	358	5191	354	5133
6"	6 GR 52	401	5815	352	5104	322	4669	297	4307	279	4046	264	3828	262	3799
	6 GR 62	202	2929	178	2581	163	2364	150	2175	141	2045	134	1943	132	1914
	8 GR 62	526	7627	463	6714	423	6134	390	5655	366	5307	347	5032	343	4974
	8 GR 72	301	4365	265	3843	242	3509	223	3234	209	3031	199	2886	196	2842
	8 GR 76	214	3103	188	2726	172	2494	159	2306	149	2161	141	2045	140	2030
8"	8 GR 82	144	2088	126	1827	116	1682	106	1537	100	1450	95	1378	94	1363
	10 H 84	342	4959	325	4713	316	4582	310	4495	294	4263	274	3973	261	3785
	10 H 87	330	4785	315	4568	294	4263	274	3973	259	3756	250	3625	242	3509
	10 H 94	277	4017	254	3683	227	3292	212	3074	196	2842	186	2697	174	2523
12"	12 M 102	366	5307	353	5119	330	4785	318	4611	305	4423	282	4089	257	3727
	12 M 112	220	3190	214	3103	202	2929	191	2770	181	2625	165	2393	158	2291
	12 M 120	161	2335	157	2277	148	2146	133	1929	121	1755	113	1639	102	1479
14"	X14GR130	147	2132	132	1914	118	1711	112	1624	104	1508	100	1450	99	1436
	X14GR120	255	3698	230	3335	206	2987	190	2755	179	2596	170	2465	166	2407
	X14GR112	288	4176	261	3785	234	3393	217	3147	206	2987	198	2871	192	2784
16"	X16GR152	130	1885	114	1653	106	1537	102	1479	92	1334	90	1305	86	1247
	X16GR140	202	2929	187	2712	168	2436	154	2233	141	2045	136	1972	132	1914
	X16GR137	209	3031	191	2770	172	2494	160	2320	148	2146	142	2059	139	2016
	X16GR130	234	3393	209	3031	196	2842	177	2567	165	2393	159	2306	152	2204
18"	X18GR170	132	1914	123	1784	116	1682	102	1479	98	1421	92	1334	90	1305
	X18GR160	177	2567	162	2349	149	2161	133	1929	128	1856	121	1755	118	1711
	X18GR152	200	2900	182	2639	171	2480	158	2291	148	2146	139	2016	133	1929
20"	X20GR192	134	1943	121	1755	112	1624	103	1494	99	1436	94	1363	91	1320
	X20GR180	162	2349	148	2146	136	1972	128	1856	117	1697	111	1610	107	1552
	X20GR170	178	2581	164	2378	145	2103	137	1987	128	1856	122	1769	117	1697
24"	X24GR220	162	2349	148	2146	138	2001	121	1755	115	1668	109	1581	106	1537
	X24GR210	182	2639	168	2436	143	2074	132	1914	124	1798	118	1711	112	1624
	X24GR200	198	2871	182	2639	169	2451	153	2219	144	2088	136	1972	131	1900



Pressure Temperature Rating Stainless Steel

HEAVY DUTY SERIES

Clamp material: AISI 4140/A487 GR 10A - 4D - A320L7

Hub material: A182 F316

Seal Ring material: A564 GR 630

PRESSURE RATING (BAR - PSI)

NOM. SIZE	G- LOK SIZE CODE	120°F 50°C		210°F 100°C		300°F 150°C		390°F 200°C		480°F 250°C		570°F 300°C		660°F 350°C	
		BAR	PSI	BAR	PSI	BAR	PSI	BAR	PSI	BAR	PSI	BAR	PSI	BAR	PSI
2"	B 14	737	10687	648	9396	593	8599	546	7917	513	7439	487	7062	481	6975
	B 16	679	9846	597	8657	546	7917	503	7294	472	6844	448	6496	443	6424
	B 20	630	9135	554	8033	506	7337	467	6772	438	6351	416	6032	411	5960
3"	C 20	713	10339	628	9106	574	8323	528	7656	496	7192	471	6830	466	6757
	C 23	651	9440	573	8309	524	7598	483	7004	453	6569	430	6235	425	6163
	C 25	585	8483	514	7453	470	6815	433	6279	407	5902	386	5597	382	5539
	C 27	434	6293	382	5539	349	5061	322	4669	302	4379	287	4162	284	4118
4"	D 27	647	9382	569	8251	520	7540	479	6946	450	6525	427	6192	422	6119
	D 31	614	8903	541	7845	494	7163	455	6598	428	6206	406	5887	401	5815
	D 34	496	7192	437	6337	399	5786	368	5336	345	5003	328	4756	324	4698
	D 40	368	5336	324	4698	296	4292	273	3959	256	3712	243	3524	240	3480
6"	XF40	992	14384	960	13920	917	13297	891	12920	828	12006	796	11542	768	11136
	XF46	736	10672	705	10223	661	9585	637	9237	578	8381	554	8033	511	7410
	XF56	512	7424	483	7004	453	6569	417	6047	397	5757	372	5394	335	4858
8"	X 8 62	483	7004	425	6163	388	5626	358	5191	336	4872	319	4626	315	4568
	X 8 64	397	5757	349	5061	319	4626	294	4263	276	4002	262	3799	259	3756
	X 8 67	330	4785	290	4205	265	3843	244	3538	229	3321	218	3161	215	3118
	X 8 72	257	3727	226	3277	207	3002	191	2770	179	2596	170	2465	168	2436
10"	X10H 82	368	5336	324	4698	296	4292	273	3959	256	3712	243	3524	240	3480
	X10H 84	331	4800	292	4234	267	3872	246	3567	231	3350	219	3176	216	3132
	X10H 87	274	3973	241	3495	220	3190	203	2944	191	2770	181	2625	179	2596
	X10H 94	187	2712	164	2378	150	2175	138	2001	130	1885	123	1784	122	1769
	X10H 97	143	2074	126	1827	115	1668	106	1537	100	1450	95	1378	94	1363
12"	X12M 102	332	4814	293	4249	267	3872	246	3567	231	3350	219	3176	217	3147
	X12M 106	269	3901	237	3437	216	3132	199	2886	187	2712	177	2567	176	2552
	X12M 112	209	3031	184	2668	168	2436	155	2248	145	2103	138	2001	136	1972
	X12M 120	134	1943	118	1711	108	1566	99	1436	93	1349	89	1291	88	1276
14"	A - P 106	468	6786	412	5974	376	5452	347	5032	326	4727	309	4481	305	4423
	A - P 112	411	5960	362	5249	331	4800	305	4423	286	4147	271	3930	268	3886
	A - P 120	332	4814	292	4234	267	3872	246	3567	231	3350	219	3176	217	3147
	A - P 130	220	3190	193	2799	177	2567	163	2364	153	2219	145	2103	143	2074
16"	S 112	586	8497	516	7482	472	6844	434	6293	408	5916	387	5612	383	5554
	S 120	529	7671	465	6743	425	6163	392	5684	368	5336	349	5061	345	5003
	S 130	424	6148	373	5409	341	4945	315	4568	295	4278	280	4060	277	4017
	S 134	377	5467	332	4814	303	4394	279	4046	263	3814	249	3611	246	3567
	S 137	343	4974	302	4379	276	4002	254	3683	239	3466	227	3292	224	3248
	S 140	332	4814	292	4234	267	3872	246	3567	231	3350	219	3176	217	3147
	S 152	218	3161	192	2784	175	2538	161	2335	152	2204	144	2088	142	2059
18"	U 152	262	3799	260	3770	260	3770	251	3640	237	3437	223	3234	218	3161
	U 160	237	3437	237	3437	237	3437	228	3306	215	3118	204	2958	200	2900
	U 170	211	3060	211	3060	211	3060	205	2973	193	2799	181	2625	178	2581
20"	3V 160	254	3683	254	3683	254	3683	246	3567	231	3350	218	3161	214	3103
	3V 170	225	3263	225	3263	225	3263	218	3161	204	2958	193	2799	189	2741
	3V 180	204	2958	204	2958	204	2958	196	2842	183	2654	180	2610	169	2451
	3V 192	177	2567	177	2567	177	2567	171	2480	161	2335	151	2190	148	2146
24"	3Y 192	464	6728	453	6569	409	5931	374	5423	354	5133	338	4901	331	4800
	3Y 200	459	6656	448	6496	402	5829	367	5322	347	5032	329	4771	324	4698
	3Y 210	394	5713	394	5713	367	5322	336	4872	312	4524	296	4292	291	4220
	3Y 220	316	4582	316	4582	316	4582	306	4437	284	4118	270	3915	265	3843



Pressure Temperature Rating – Duplex

STANDARD SERIES

Clamp material: AISI 4140/A487 GR 10A - 4D - A320L7

Hub material: A182 F51/UNS 31803

Seal Ring material: A564 GR 630

ANSI ratings have been calculated based on allowable stresses as per ASME/ANSI B 31.3

All figures are based on "zero" corrosion allowance

All figures are based on the maximum bore through connector

PRESSURE RATING (BAR - PSI)

NOM. SIZE	G- LOK SIZE CODE	70°F 20°C		120°F 50°C		210°F 100°C		300°F 150°C		390°F 200°C	
		BAR	PSI	BAR	PSI	BAR	PSI	BAR	PSI	BAR	PSI
1"	1 GR 4	1364	19778	1217	17647	1096	15892	1043	15124	1001	14515
	1 GR 5	1267	18372	1132	16414	1019	14776	969	14051	930	13485
	1 GR 7	958	13891	855	12398	769	11151	733	10629	703	10194
	1 GR 11	560	8120	500	7250	450	6525	429	6221	411	5960
1.5"	1.5 GR 11	1190	17255	1063	15414	956	13862	910	13195	873	12659
	1.5 GR 14	763	11064	682	9889	614	8903	584	8468	561	8135
2"	2 GR 14	1053	15269	940	13630	847	12282	806	11687	773	11209
	2 GR 16	837	12137	748	10846	674	9773	641	9295	615	8918
	2 GR 20	610	8845	545	7903	490	7105	467	6772	448	6496
	3 GR 20	1126	16327	1006	14587	905	13123	862	12499	826	11977
3"	3 GR 23	992	14384	886	12847	797	11557	759	11006	728	10556
	3 GR 25	736	10672	658	9541	592	8584	563	8164	541	7845
	3 GR 27	448	6496	400	5800	360	5220	342	4959	329	4771
	3 GR 31	256	3712	234	3393	215	3118	209	3031	202	2929
4"	4 GR 25	1096	15892	979	14196	881	12775	838	12151	805	11673
	4 GR 27	910	13195	813	11789	732	10614	697	10107	668	9686
	4 GR 31	783	11354	700	10150	630	9135	599	8686	575	8338
	4 GR 34	515	7468	460	6670	414	6003	394	5713	378	5481
5"	4 GR 40	295	4278	264	3828	237	3437	226	3277	216	3132
	5 GR 31	1078	15631	996	14442	924	13398	880	12760	844	12238
	5 GR 34	847	12282	783	11354	764	11078	744	10788	719	10426
	5 GR 40	712	10324	686	9947	660	9570	634	9193	609	8831
6"	5 GR 46	509	7381	471	6830	438	6351	421	6105	404	5858
	5 GR 52	294	4263	269	3901	172	2494	231	3350	221	3205
	6 GR 40	905	13123	873	12659	842	12209	805	11673	786	11397
	6 GR 46	779	11296	741	10745	702	10179	683	9904	661	9585
8"	6 GR 52	587	8512	549	7961	531	7700	502	7279	478	6931
	6 GR 62	344	4988	307	4452	276	4002	263	3814	252	3654
	8 GR 62	661	9585	661	9585	651	9440	636	9222	619	8976
	8 GR 72	412	5974	394	5713	388	5626	372	5394	358	5191
10"	8 GR 76	339	4916	313	4539	292	4234	278	4031	267	3872
	8 GR 82	244	3538	218	3161	196	2842	186	2697	179	2596
	10 H 84	472	6844	447	6482	422	6119	412	5974	402	5829
	10 H 87	449	6511	428	6206	408	5916	399	5786	392	5684
12"	10 H 94	392	5684	368	5336	351	5090	316	4582	295	4278
	12 M 102	493	7149	478	6931	459	6656	438	6351	416	6032
	12 M 112	335	4858	302	4379	289	4191	266	3857	254	3683
	12 M 120	242	3509	226	3277	209	3031	196	2842	177	2567
14"	X14GR130	323	4684	298	4321	264	3828	243	3524	225	3263
	X14GR120	330	4785	305	4423	294	4263	264	3828	255	3698
	X14GR112	345	5003	340	4930	337	4887	330	4785	327	4742
16"	X16GR152	264	3828	237	3437	204	2958	191	2770	176	2552
	X16GR140	269	3901	242	3509	238	3451	232	3364	228	3306
	X16GR137	272	3944	251	3640	248	3596	246	3567	244	3538
	X16GR130	294	4263	288	4176	283	4104	279	4046	272	3944
18"	X18GR170	178	2581	174	2523	169	2451	164	2378	162	2349
	X18GR160	202	2929	196	2842	191	2770	188	2726	186	2697
	X18GR152	224	3248	215	3118	211	3060	209	3031	206	2987
20"	X20GR192	186	2697	183	2654	180	2610	178	2581	174	2523
	X20GR180	209	3031	204	2958	201	2915	198	2871	197	2857
	X20GR170	244	3538	235	3408	230	3335	226	3277	222	3219
24"	X24GR220	188	2726	184	2668	179	2596	175	2538	169	2451
	X24GR210	202	2929	197	2857	193	2799	190	2755	187	2712
	X24GR200	221	3205	214	3103	208	3016	204	2958	202	2929



Pressure Temperature Rating – Duplex

HEAVY DUTY SERIES

Clamp material: AISI 4140/A487 GR 10A - 4D - A320L7

Hub material: A182 F51/UNS 31803

Seal Ring material: A564 GR 630

PRESSURE RATING (BAR - PSI)

NOM. SIZE	G- LOK SIZE CODE	70°F 20°C		120°F 50°C		210°F 100°C		300°F 150°C		390°F 200°C	
		BAR	PSI	BAR	PSI	BAR	PSI	BAR	PSI	BAR	PSI
2"	B 14	1252	18154	1118	16211	1006	14587	958	13891	919	13326
	B 16	1153	16719	1029	14921	926	13427	882	12789	846	12267
	B 20	1069	15501	955	13848	860	12470	818	11861	785	11383
3"	C 20	1212	17574	1082	15689	974	14123	927	13442	889	12891
	C 23	1106	16037	988	14326	889	12891	847	12282	812	11774
	C 25	993	14399	887	12862	798	11571	760	11020	729	10571
	C 27	738	10701	659	9556	593	8599	565	8193	542	7859
4"	D 27	1099	15936	981	14225	884	12818	841	12195	807	11702
	D 31	989	14341	914	13253	839	12166	799	11586	766	11107
	D 34	776	11252	717	10397	669	9701	645	9353	618	8961
	D 40	625	9063	558	8091	502	7279	479	6946	459	6656
6"	XF40	1302	18879	1278	18531	1239	17966	1204	17458	1185	17183
	XF46	1015	14718	965	13993	912	13224	887	12862	846	12267
	XF56	772	11194	730	10585	681	9875	614	8903	580	8410
8"	X 8 62	688	9976	645	9353	619	8976	602	8729	587	8512
	X 8 64	599	8686	551	7990	517	7497	497	7207	488	7076
	X 8 67	490	7105	453	6569	422	6119	404	5858	397	5757
	X 8 72	409	5931	378	5481	351	5090	334	4843	321	4655
10"	X10H 82	544	7888	503	7294	469	6801	460	6670	448	6496
	X10H 84	514	7453	475	6888	443	6424	431	6250	413	5989
	XH10 87	465	6743	437	6337	374	5423	356	5162	342	4959
	X10H 94	317	4597	283	4104	255	3698	243	3524	233	3379
	X10H 97	243	3524	218	3161	196	2842	186	2697	179	2596
12"	X12M 102	478	6931	452	6554	430	6235	416	6032	403	5844
	X12M 106	409	5931	378	5481	353	5119	346	5017	335	4858
	X12M 112	355	5148	317	4597	285	4133	271	3930	260	3770
	X12M 120	228	3306	204	2958	183	2654	175	2538	167	2422
14"	A - P 106	624	9048	614	8903	598	8671	581	8425	564	8178
	A - P 112	548	7946	540	7830	519	7526	505	7323	492	7134
	A - P 120	479	6946	442	6409	430	6235	412	5974	403	5844
	A - P 130	338	4901	313	4539	292	4234	286	4147	274	3973
16"	S 112	837	12137	804	11658	770	11165	744	10788	709	10281
	S 120	752	10904	726	10527	703	10194	691	10020	666	9657
	S 130	637	9237	612	8874	596	8642	566	8207	540	7830
	S 134	523	7584	502	7279	491	7120	478	6931	467	6772
	S 137	494	7163	466	6757	447	6482	428	6206	410	5945
	S 140	475	6888	440	6380	426	6177	405	5873	399	5786
	S 152	370	5365	331	4800	297	4307	283	4104	272	3944
18"	U 152	432	6264	410	5945	395	5728	378	5481	349	5061
	U 160	407	5902	389	5641	367	5322	355	5148	333	4829
	U 170	361	5235	349	5061	318	4611	306	4437	296	4292
20"	3V 160	446	6467	428	6206	397	5757	378	5481	354	5133
	3V 170	397	5757	374	5423	362	5249	345	5003	331	4800
	3V 180	351	5090	344	4988	328	4756	313	4539	299	4336
	3V 192	278	4031	267	3872	245	3553	239	3466	228	3306
24"	3Y 192	614	8903	590	8555	566	8207	551	7990	524	7598
	3Y 200	592	8584	566	8207	547	7932	533	7729	511	7410
	3Y 210	513	7439	494	7163	458	6641	437	6337	416	6032
	3Y 220	404	5858	389	5641	372	5394	364	5278	351	5090



Pressure Temperature Rating – Superduplex

STANDARD SERIES

Clamp material: AISI 4140/A487 GR 10A - 4D - A320L7

Hub material: A182 F53/F55

Seal Ring material: A564 GR 630

ANSI ratings have been calculated based on allowable stresses as per ASME/ANSI B 31.3

All figures are based on "zero" corrosion allowance

All figures are based on the maximum bore through connector

PRESSURE RATING (BAR - PSI)

NOM. SIZE	G- LOK SIZE CODE	70°F 20°C		120°F 50°C		210°F 100°C		300°F 150°C		390°F 200°C	
		BAR	PSI	BAR	PSI	BAR	PSI	BAR	PSI	BAR	PSI
1"	1 GR 4	1669	24201	1612	23374	1556	22562	1511	21910	1489	21591
	1 GR 5	1551	22490	1499	21736	1446	20967	1404	20358	1384	20068
	1 GR 7	1172	16994	1132	16414	1092	15834	1061	15385	1045	15153
	1 GR 11	685	9933	662	9599	639	9266	621	9005	611	8860
1.5"	1.5 GR 11	1456	21112	1407	20402	1357	19677	1318	19111	1299	18836
	1.5 GR 14	934	13543	903	13094	871	12630	846	12267	834	12093
2"	2 GR 14	1289	18691	1245	18053	1202	17429	1167	16922	1150	16675
	2 GR 16	1025	14863	991	14370	956	13862	928	13456	915	13268
	2 GR 20	747	10832	722	10469	696	10092	676	9802	666	9657
	3 GR 20	1378	19981	1332	19314	1285	18633	1248	18096	1229	17821
3"	3 GR 23	1214	17603	1173	17009	1131	16400	1099	15936	1083	15704
	3 GR 25	901	13065	871	12630	840	12180	816	11832	804	11658
	3 GR 27	548	7946	529	7671	511	7410	496	7192	489	7091
	3 GR 31	275	3988	266	3857	257	3727	249	3611	245	3553
	4 GR 25	1341	19445	1296	18792	1250	18125	1214	17603	1197	17357
4"	4 GR 27	1114	16153	1077	15617	1039	15066	1009	14631	994	14413
	4 GR 31	959	13906	927	13442	894	12963	868	12586	856	12412
	4 GR 34	630	9135	609	8831	587	8512	570	8265	562	8149
	4 GR 40	361	5235	349	5061	336	4872	327	4742	322	4669
	5 GR 31	1319	19126	1319	19126	1312	19024	1275	18488	1256	18212
5"	5 GR 34	1037	15037	1037	15037	1037	15037	1037	15037	1037	15037
	5 GR 40	840	12180	840	12180	840	12180	840	12180	840	12180
	5 GR 46	623	9034	623	9034	622	9019	610	8845	601	8715
	5 GR 52	360	5220	356	5162	244	3538	334	4843	329	4771
	6 GR 40	1108	16066	1108	16066	1108	16066	1108	16066	1108	16066
6"	6 GR 46	822	11919	822	11919	822	11919	822	11919	822	11919
	6 GR 52	663	9614	663	9614	663	9614	663	9614	663	9614
	6 GR 62	421	6105	407	5902	392	5684	381	5525	375	5438
	8 GR 62	661	9585	661	9585	661	9585	661	9585	661	9585
	8 GR 72	472	6844	472	6844	472	6844	472	6844	472	6844
8"	8 GR 76	415	6018	415	6018	414	6003	403	5844	397	5757
	8 GR 82	299	4336	288	4176	278	4031	270	3915	266	3857
	10 H 84	534	7743	508	7366	494	7163	485	7033	459	6656
	10 H 87	515	7468	493	7149	460	6670	428	6206	405	5873
10"	10 H 94	433	6279	398	5771	355	5148	331	4800	306	4437
	12 M 102	573	8309	551	7990	516	7482	498	7221	476	6902
	12 M 112	344	4988	335	4858	315	4568	299	4336	283	4104
12"	12 M 120	251	3640	245	3553	231	3350	208	3016	189	2741
	X14GR130	332	4814	304	4408	273	3959	251	3640	231	3350
	X14GR120	335	4858	309	4481	304	4408	282	4089	267	3872
14"	X14GR112	355	5148	349	5061	341	4945	339	4916	333	4829
	X16GR152	277	4017	248	3596	215	3118	206	2987	189	2741
	X16GR140	286	4147	253	3669	247	3582	240	3480	236	3422
	X16GR137	286	4147	264	3828	255	3698	251	3640	249	3611
16"	X16GR130	304	4408	297	4307	294	4263	286	4147	271	3930
	X18GR170	186	2697	181	2625	177	2567	171	2480	170	2465
	X18GR160	214	3103	205	2973	199	2886	196	2842	190	2755
	X18GR152	224	3248	215	3118	211	3060	209	3031	206	2987
20"	X20GR192	201	2915	194	2813	189	2741	185	2683	181	2625
	X20GR180	220	3190	211	3060	206	2987	204	2958	201	2915
	X20GR170	258	3741	246	3567	241	3495	237	3437	230	3335
24"	X24GR220	197	2857	191	2770	184	2668	179	2596	173	2509
	X24GR210	214	3103	206	2987	202	2929	198	2871	190	2755
	X24GR200	233	3379	221	3205	216	3132	211	3060	208	3016



Pressure Temperature Rating – Superduplex

HEAVY DUTY SERIES

Clamp material: AISI 4140/A487 GR 10A - 4D - A320L7

Hub material: A182 F53/F55

Seal Ring material: A564 GR 630

PRESSURE RATING (BAR - PSI)

NOM. SIZE	G- LOK SIZE CODE	70°F 20°C		120°F 50°C		210°F 100°C		300°F 150°C		390°F 200°C	
		BAR	PSI	BAR	PSI	BAR	PSI	BAR	PSI	BAR	PSI
2"	B 14	1532	22214	1480	21460	1428	20706	1387	20112	1367	19822
	B 16	1411	20460	1363	19764	1315	19068	1278	18531	1259	18256
	B 20	1309	18981	1265	18343	1220	17690	1185	17183	1168	16936
3"	C 20	1483	21504	1433	20779	1382	20039	1343	19474	1323	19184
	C 23	1354	19633	1308	18966	1262	18299	1226	17777	1208	17516
	C 25	1216	17632	1175	17038	1133	16429	1101	15965	1084	15718
	C 27	903	13094	872	12644	842	12209	818	11861	806	11687
4"	D 27	1345	19503	1299	18836	1254	18183	1218	17661	1200	17400
	D 31	1210	17545	1210	17545	1191	17270	1157	16777	1140	16530
	D 34	950	13775	950	13775	950	13775	934	13543	920	13340
	D 40	765	11093	739	10716	713	10339	693	10049	683	9904
6"	XF40	1550	22475	1500	21750	1433	20779	1393	20199	1294	18763
	XF46	1150	16675	1101	15965	1033	14979	995	14428	903	13094
	XF56	800	11600	755	10948	708	10266	651	9440	620	8990
8"	X 8 62	703	10194	703	10194	703	10194	703	10194	703	10194
	X 8 64	616	8932	616	8932	616	8932	616	8932	616	8932
	X 8 67	554	8033	554	8033	554	8033	554	8033	554	8033
	X 8 72	501	7265	501	7265	498	7221	484	7018	477	6917
10"	X10H 82	666	9657	666	9657	666	9657	666	9657	666	9657
	X10H 84	629	9121	629	9121	629	9121	624	9048	615	8918
	XH10 87	569	8251	550	7975	531	7700	515	7468	508	7366
	X10H 94	388	5626	375	5438	362	5249	352	5104	346	5017
	X10H 97	298	4321	288	4176	278	4031	270	3915	266	3857
12"	X12M 102	549	7961	549	7961	549	7961	549	7961	549	7961
	X12M 106	501	7265	501	7265	501	7265	501	7265	498	7221
	X12M 112	434	6293	420	6090	405	5873	393	5699	387	5612
	X12M 120	279	4046	270	3915	260	3770	253	3669	249	3611
14"	A - P 106	624	9048	624	9048	624	9048	624	9048	624	9048
	A - P 112	548	7946	548	7946	548	7946	548	7946	548	7946
	A - P 120	484	7018	484	7018	484	7018	484	7018	484	7018
	A - P 130	414	6003	414	6003	414	6003	414	6003	407	5902
16"	S 112	889	12891	889	12891	889	12891	889	12891	889	12891
	S 120	785	11383	785	11383	785	11383	785	11383	785	11383
	S 130	672	9744	672	9744	672	9744	672	9744	672	9744
	S 134	625	9063	625	9063	625	9063	625	9063	625	9063
	S 137	592	8584	592	8584	592	8584	592	8584	592	8584
	S 140	582	8439	582	8439	582	8439	582	8439	582	8439
	S 152	453	6569	438	6351	422	6119	410	5945	404	5858
18"	U 152	462	6699	462	6699	462	6699	462	6699	462	6699
	U 160	422	6119	422	6119	422	6119	422	6119	422	6119
	U 170	374	5423	374	5423	374	5423	374	5423	374	5423
20"	3V 160	476	6902	476	6902	476	6902	476	6902	476	6902
	3V 170	401	5815	401	5815	401	5815	401	5815	401	5815
	3V 180	362	5249	362	5249	362	5249	362	5249	362	5249
	3V 192	284	4118	284	4118	284	4118	284	4118	284	4118
24"	3Y 192	623	9034	623	9034	623	9034	623	9034	623	9034
	3Y 200	607	8802	607	8802	607	8802	607	8802	607	8802
	3Y 210	525	7613	525	7613	525	7613	525	7613	525	7613
	3Y 220	429	6221	429	6221	429	6221	429	6221	429	6221

VISIT US ON WWW.GALPERTI.COM



**GALPERTI ENGINEERING
AND FLOW CONTROL SRL**



**OFFICINE
NICOLA GALPERTI & FIGLIO S.P.A.**
22010 GERA LARIO (CO) - LOCALITÀ S. AGATA - ITALY
TEL. 00 39 0344 97200 - FAX 00 39 0344 97210
E-mail: galperti@galperti.com - www.galperti.com



GALPERTI FORGING



GALPERTI TECH S.R.L.
ZONA INDUSTRIALE - 23823 COLICO (LC) - ITALY
TEL. 00 39 0341 930186
FAX 00 39 0341 930252
E-mail: galptech@galptech.com



GALPERTI INC. - HOUSTON
160 SOUTHBELT INDUSTRIAL DRIVE
HOUSTON, TEXAS 77047
TEL. +1-713-4330700 - FAX +1-713-4335580
E-mail: galpmail@galperti-am.com



S.F.F. SCANDINAVIAN FITTINGS AND FLANGES A/S

Jakob Askelandsvej 5 - P.O. box 1175
4391 Sandnes NORWAY
Tel. +47 - 51639600 Fax +47 - 51639601
Web site: www.sffgroup.com



S.F.F. SCANDINAVIAN FITTINGS AND FLANGES DENMARK

Korinthvej II - P.O. box 8021
9220 Aalborg - DENMARK
Tel. +45 - 98155700 Fax +45 - 98155780
Web site: www.sffgroup.com



L.F.F. LONDON FITTINGS AND FLANGES LTD.

Christy Way - Southfields Industrial Park
Basilton - Essex - SS15 6TE U.K.
Tel. +44 - 1268 - 410301 Fax +44 - 1268 - 490696
Web site: www.lff.co.uk



L.F.F. SCOTLAND Ltd.

Minto Road Altens - Aberdeen AB 12 3LU
Tel. +44 - 1224 - 876111 Fax +44 - 1224 - 895867
Web site: www.lff.co.uk



GLAMAL ENGINEERING Ltd.

Lagonda Road - Cowpen Lane Industrial Estate
Billingham Stockton-on-Tees TS23 4AJ - U.K.
Tel. +44 - 1642 - 370000 Fax +44 - 1642 - 565831



P.F.F. EUROPE B.V.

Wielewaalweg 4 - 4791 PD Klundert - The Netherlands
Tel. +31 (0) 168 387 410 Fax. +31 (0) 84 752 1086
Web site: www.PFF.nl



GALPERTI CANADA (1999) INC.

3931 - 76 Avenue
Edmonton - Alberta T6B 2S8
e-mail: bwray@galperti.ca



GALPERTI MIDDLE EAST FZE

FZE RAO8ACOI - P.O. box 17278
JEBEL ALI - FREE ZONE - DUBAI - U.A.E.
Tel. +971 - 4 - 883 9077 Fax. +971 - 4 - 883 9070
e-mail: galperti@galperti.ae



P.F.P. PROJECT FITTING AND PIPE P/L

18 Hasler Road - Herdsman Business Park
Osborne Park - Perth WA 6017 - AUSTRALIA
Tel. +61 - 892443448 Fax +61 - 892444934



PT MITRA PFP UTAMA - PROJECT INDONESIA

Pusat Niaga Duta Mas - Fatmawati blok C2/007
12156 JL.R.S. Fatmawati - Jakarta - INDONESIA
Tel. +62 - 21 - 7392214 Fax +62 - 21 - 7392219
Stock of FLANGES AND FITTINGS



P.M.S. - PROJECT MATERIAL SERVICES (M) PROJECT MALAYSIA

43-M JALAN Thambapillai Off Jalan Tun-Sambanthan
50470 Kuala Lumpur - MALAYSIA
Tel. +60 - 322 - 733409 Fax +60 - 322 - 740935



PROJECT FITTING & PIPE THAILAND Ltd. PROJECT THAILAND

9-96 SOI. ANAMAI SRINAKARI ROAD
SUANLUANG, BANGKOK - THAILAND
Tel. +66 - 2 - 7526636-38 - Fax. +66 - 2 - 752663435



PFP TAIWAN CO. LTD. - PROJECT TAIWAN

7FL- 3, No. 207, Thung - Hua Road
Taipei - TAIWAN
Tel. +886 - 2 - 27190918 FAX +886 - 2 - 2719094



P.F.P. SINGAPORE PTE Ltd - PROJECT SINGAPORE

170 Upper Bukit Timah Road - 12-04 (Main) & 10-04 (Sales)
Bukit Timah Shopping Centre - SINGAPORE 588179
Tel. +65 - 6 - 467 5866 Fax. +65 - 6 - 467 5766



GALPERTI DO BRASIL

Rio De Janeiro - Brasil
Tel. +55 21 2532 7404 Fax. +55 21 2532 7412



GALPERTI INDIA PVT. LTD.

Off. No.22, Kumar Place,
2408 East Street - PUNE - 411001 INDIA
Tel. +91 - 206343907 Fax. +91 - 206345382



GALPERTI ENGINEERING COLOMBIA LTDA

Calle 93B No. 17-25 Of.408
BOGOTA' D.C. - COLOMBIA
Tel. +57 - 16217166 Fax. +57 - 16217584



GALPERTI EQUADOR

República del Salvador - 1082 Edificio Mansión Blanca
Torre Paris, oficina 301 - Quito, Ecuador
Tel. +593 - 2246 - 7855 Fax. +593 - 2246 - 7856



Office - Production - Warehouse



Office - Warehouse



Office

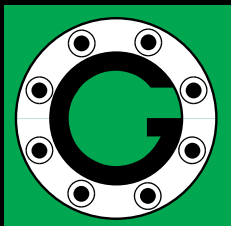


TEAM SERVICE

On site machining 24h service

All values given are for general guidance only. For specific applications please contact Galperti Engineering office.

As part of a process of on-going product development, we reserve the right to amend and change any data of this catalogue without prior notice.



**GALPERTI ENGINEERING
AND FLOW CONTROL s.r.l.**
ZONA INDUSTRIALE
23823 COLICO (LC) - ITALY
TEL. 00 39 0341 930780
FAX 00 39 0341 930777
E-mail: galpeng@galpeng.com
www.galperti.com

CONTACT ADDRESS: