

KLAMP[®]z

Grooved Piping System



KLAMP[®]_z

Grooved Piping System



AVAILABLE IN:

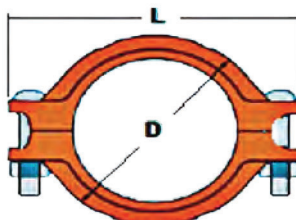
- UL/FM APPROVED
- NON-UL/FM VERSIONS

Quick Reference Part Number

SHURJOINT			ANVIL			VICTAULIC																	
#K05 1t Weight Flexible Coupling						#K10 90 Degree Elbow						#K11 45 Degree Elbow						#K20 Straight Tee					
																							
7705		C3		75		7110		7050		10		7111		7051		11		7120		7060		20	
#K41 Flange Adapter						#K58 Adapter Nipples						#SK58 Adapter Nipples						#K60 Cap					
																							
7141		7012		741		58		7082		42		7160		7074		60		7160		7074		60	
#KTB ASTM A183 Track Head Bolts												#KGE EPDM Gaskets											
																							

KLAMP[®]_z**Grooved Piping System****KLAMP_z On... Stayz On!**

PIPE SIZE		PIPE SCHEDULE													
NOMINAL (in)	OD (in)	5	10	20	30	40	STD	60	80	XH	100	120	140	160	XXH
0.125	0.405	.035 .14	.049 .19			.068 .24	.068 .24		.095 .31	.095 .31					
0.25	0.504	.049 .26	.065 .33			.088 .43	.088 .43		.119 .54	.119 .54					
0.375	0.675	.049 .33	.065 .42			.091 .57	.091 .57		.126 .74	.126 .74					
0.5	0.840	.065 .54	.083 .67			.109 .85	.109 .85		.147 1.09	.147 1.09				.187 1.31	.294 1.72
0.75	1.050	.065 .68	.083 .86			.113 1.13	.113 1.13		.154 1.48	.154 1.48				.218 1.94	.308 2.44
1	1.315	.065 .87	.109 1.41			.133 1.68	.133 1.68		.179 2.17	.179 2.17				.250 2.85	.358 3.66
1.25	1.660	.065 1.11	.109 1.81			.140 2.27	.140 2.27		.191 3.00	.191 3.00				.250 3.77	.382 5.22
1.5	1.900	.065 1.27	.109 2.09			.145 2.72	.145 2.72		.200 3.63	.200 3.63				.281 4.86	.400 6.41
2	2.375	.065 1.60	.109 2.64			.154 3.66	.154 3.66		.218 5.03	.218 5.03				.344 7.45	.436 9.04
2.5	2.875	.083 2.48	.120 3.53			.203 5.80	.203 5.80		.276 7.67	.276 7.67				.375 10.02	.552 13.71
3	3.50	.083 3.03	.120 4.34			.216 7.58	.216 7.58		.300 10.26	.300 10.26				.438 14.31	0.600 18.60
3.5	4.00	.083 3.48	.120 4.98			.226 9.12	.226 9.12		.318 12.52	.318 12.52					.636 22.87
4	4.50	.083 3.92	.120 5.62			.237 10.80	.237 10.80		.337 15.00	.337 15.00		4.38 19.02		.531 22.53	.674 27.57
5	5.56	.109 6.63	.134 7.78			.258 14.63	.258 14.63		.375 20.80	.375 20.80		.500 27.06		.625 32.99	.750 38.59
6	6.63	.109 7.59	.134 9.30		.250 17.04	.280 18.99	.280 18.99		.432 28.00	.432 28.00		.562 36.43		.718 45.39	.864 53.21
8	8.63	.109 9.92	.148 13.41	.250 22.38	.277 24.72	.322 28.58	.322 28.58	.406 35.67	.500 43.43	.500 43.43	.594 50.91	.719 60.77	.812 67.82	.906 74.76	.875 72.49
10	10.75	.134 15.21	.165 18.67	.250 28.06	.307 34.27	.365 40.52	.365 40.52	.500 54.79	.594 64.39	.500 54.79	.718 77.10	.844 89.28	1.000 104.23	1.125 115.75	1.000 104.23
12	12.75	.165 22.20	.180 24.19	.250 33.41	.330 43.81	.406 53.37	.375 49.61	.562 73.22	.688 88.71	.500 65.48	.844 107.42	1.000 125.61	1.125 139.81	1.312 164.42	1.000 125.61
14	14.00		.250 36.75	.312 45.65	.375 54.62	.438 63.50	.375 54.62	.593 84.99	.750 103.23	.500 72.16	.938 130.98	1.094 150.81	1.250 170.37	1.406 189.29	
16	16.00		.250 42.09	.312 52.32	.375 62.65	.500 82.85	.375 62.65	.656 107.60	.844 136.59	.500 82.85	1.031 164.98	1.219 192.47	1.438 223.71	1.594 245.34	
18	18.00		.250 47.44	.312 58.99	.437 82.23	.562 104.76	.375 70.65	.750 138.30	.938 171.08	.500 93.45	1.156 208.15	1.375 244.37	1.562 274.48	1.781 308.79	
20	20.00		.250 52.78	.375 78.67	.500 104.23	.594 123.02	.375 78.67	.812 166.56	1.031 209.06	.500 104.23	1.281 256.15	1.500 296.65	1.750 341.41	1.969 379.36	
22	22.00		.250 58.13	.375 86.69	.500 114.92		.375 86.69	.875 197.60	1.125 251.05	.500 114.92	1.375 303.16	1.625 353.94	1.875 403.38	2.125 451.49	
24	24.00		.250 63.47	.375 94.71	.562 140.81	.688 171.56	.375 94.71	.969 238.33	1.219 296.63	.500 125.61	1.531 367.64	1.812 429.99	2.062 483.57	2.344 542.44	
26	26.00		.312 85.68	.500 136.30			.375 102.72			.500 136.30					
28	28.00		.312 92.35	.500 146.99	.625 182.90		.375 110.74			.500 146.99					
30	30.00		.312 99.02	.500 157.68	.625 196.26		.375 118.76			.500 157.88					
32	32.00		.312 105.69	.500 168.37	.625 209.62	.688 230.29	.375 126.75			.500 168.37					
34	34.00		.344 123.77	.500 179.06	.625 22.99	.688 245.0	.375 134.79			.500 179.06					
36	36.00		.312 19.03	.500 189.75	.625 236.50	.750 282.62	.375 142.81			.500 189.75					
42	42.00						.375 166.86			.500 221.82					
48	48.00						.375 190.92			.500 253.89					
TOP NUMBER = WALL THICKNESS							BOTTOM NUMBER = WEIGHT PER FOOT								

K05 Light Weight Flexible Coupling**KLAMPz®**
Grooved Piping System

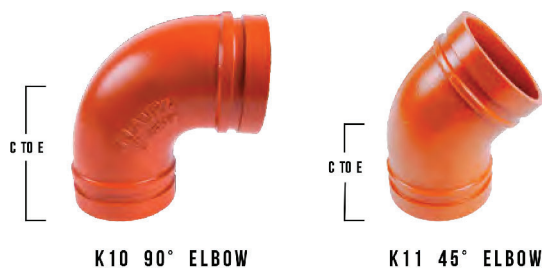
Part Number	Nominal Size	Pipe O.D.	UL/FM Working Pressure	Non-UL/FM Working Pressure	Dimensions (in)			Bolt/Nut Size
					D	L	W	
K050150PE(-ULFM)	1.5	1.900	300 psi	500 psi	2.72	4.49	1.77	0.375" x 1.5"
K050200PE(-ULFM)	2	2.375			3.29	4.88	1.81	0.375" X 2.125"
K050250PE(-ULFM)	2.5	2.875			3.74	5.51	1.81	0.375" X 2.125"
K050300PE(-ULFM)	3	3.500			4.49	6.14	1.81	0.375" X 2.125"
K050400PE(-ULFM)	4	4.500			5.59	7.44	1.97	0.5" X 2.5"
K050500PE(-ULFM)	5	5.563			6.69	8.74	1.97	0.5" X 2.5"
K050600PE(-ULFM)	6	6.625			7.72	9.61	1.97	0.5" X 2.5"
K050800PE(-ULFM)	8	8.625			9.92	12.44	2.36	0.625" X 3.125"
K051000PE(-ULFM)	10	10.750			12.56	15.47	2.52	0.75" X 3.5"
K051200PE(-ULFM)	12	12.750			14.72	17.83	2.56	0.75" X 4.25"
K051400PE(-ULFM)	14	14.000			18.09	20.08	2.95	0.875" x 4.375"
K051600PE	16	16.000			18.19	21.93	3.01	0.875" x 5.5"

AVAILABLE IN:

- **UL/FM APPROVED**
- **NON-UL/FM VERSION**

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE STATED.

- 1) Flexible Couplings in straight runs should be supported as close to the coupling as possible, or within the distance.
- 2) Flexible couplings provide either axial or longitudinal movement. The available movement for roll-grooved joints is 1/2 of cut-groove dimensions per ANSI/AWWA C606-06.
- 3) When pre-setting power nut-drivers, the following torque should not be exceeded. Excessive tightening of the nuts could result in joint failure. (Values Ft-Lbs.) 0.375"= 50-59 ; 0.5"=81-92 ; 0.625"= 147-190; 0.75"=177-179; 0.875"=202-221.
- 4) The standard finish is Epoxy Powder Coat, but other finishes are available upon request, including Paint, Dacromet and Hot-Dip Galvanized.
- 5) Compatible with KLAMPz KGE product line.

K10 90° Elbow**K11** 45° Elbow
KLAMP[®]
Grooved Piping System


Nominal Size	Pipe O.D.	UL/FM Working Pressure	Non-UL/FM Working Pressure	"C to E" Dimensions	
				K10	K11
1.5	1.900	300 psi	500 psi	2.75	1.75
2	2.375			3.25	2.00
2.5	2.875			3.75	2.25
3	3.500			4.25	2.50
4	4.500			5.00	3.00
5	5.563			5.50	3.25
6	6.625			6.50	3.50
8	8.625			7.75	4.25
10	10.750			9.00	4.75
12	12.750			10.00	5.25

PART NUMBER STRUCTURE**AVAILABLE IN:**

- **UL/FM APPROVED**
- **NON-UL/FM VERSION**

Part Number Section	Options
Model	K10, K11
Size	xxxx (4-digits) / (Example: Size=1.25 = 0125)
UL/FM Certification	-ULFM
Example	K100400-ULFM / K110125

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE STATED.

- 1) Fittings are cast ductile iron conforming to ASTM A536, Gr. 65-45-12 Ductile Iron
- 2) Dimensions meet ANSI/AWWA C606-06.
- 3) Center to End Dimensions are manufacture's standard.
- 4) Fittings larger than 14" may be fabricated from steel pipe to ASTM A53, Gr. B or equivalent.
- 5) The standard finish is Epoxy Powder Coat, but other finishes are available upon request, including Paint, Dacromet and Hot-Dip Galvanized.

K20 Tee
KLAMP[®]z
Grooved Piping System

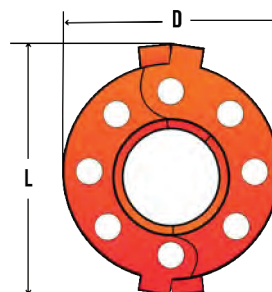

Part Number	Nominal Size	Pipe O.D.	UL/FM Working Pressure	Non-UL/FM Working Pressure	C to E
K200150P(-ULFM)	1.5	1.900	300 psi	500 psi	2.75
K200200P(-ULFM)	2	2.375			3.25
K200250P(-ULFM)	2.5	2.875			3.75
K200300P(-ULFM)	3	3.500			4.25
K200400P(-ULFM)	4	4.500			5.00
K200500P(-ULFM)	5	5.563			5.50
K200600P(-ULFM)	6	6.625			6.50
K200800P(-ULFM)	8	8.625			7.75
K201000P(-ULFM)	10	10.750			9.00
K201200P(-ULFM)	12	12.750			10.00

AVAILABLE IN:

- **UL/FM APPROVED**
- **NON-UL/FM VERSION**

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE STATED.

- 1) Fittings are cast ductile iron conforming to ASTM A536, Gr. 65-45-12 Ductile Iron.
- 2) Dimensions adhere to ANSI/AWWA C606-06.
- 3) Center to End Dimensions are manufacture's standard.
- 4) Fittings larger than 14" may be fabricated from steel pipe ASTM A53, Gr. B or equivalent.
- 5) The standard finish is Epoxy Powder Coat, but other finishes are available upon request, including Paint, Dacromet and Hot-Dip Galvanized.

K41 Flange Adapter
KLAMPz®
Grooved Piping System


Part Number	Nominal Size	Pipe O.D.	UL/FM Working Pressure	Non-UL/FM Working Pressure	Dimensions (Inches)		# B.H.	Bolt/Nut Size
					D	L		
K410200PE(-ULFM)	2	2.375	250 psi	250 psi	6.46	8.27	4	0.375" x 2.750"
K410250PE(-ULFM)	2.5	2.875			6.93	9.45	4	0.375" x 2.750"
K410300PE(-ULFM)	3	3.500			7.56	9.84	4	0.375" x 2.750"
K410400PE(-ULFM)	4	4.500			8.82	10.94	8	0.375" x 2.750"
K410500PE(-ULFM)	5	5.563			10.00	12.20	8	0.375" x 2.750"
K410600PE(-ULFM)	6	6.625			11.10	13.23	8	0.500" x 3.125"
K410800PE(-ULFM)	8	8.625			13.50	15.55	8	0.500" x 3.125"
K411000PE(-ULFM)	10	10.750			15.91	18.50	12	0.625" x 3.875"
K411200PE(-ULFM)	12	12.750			19.20	23.00	12	0.625" x 3.875"

AVAILABLE IN:

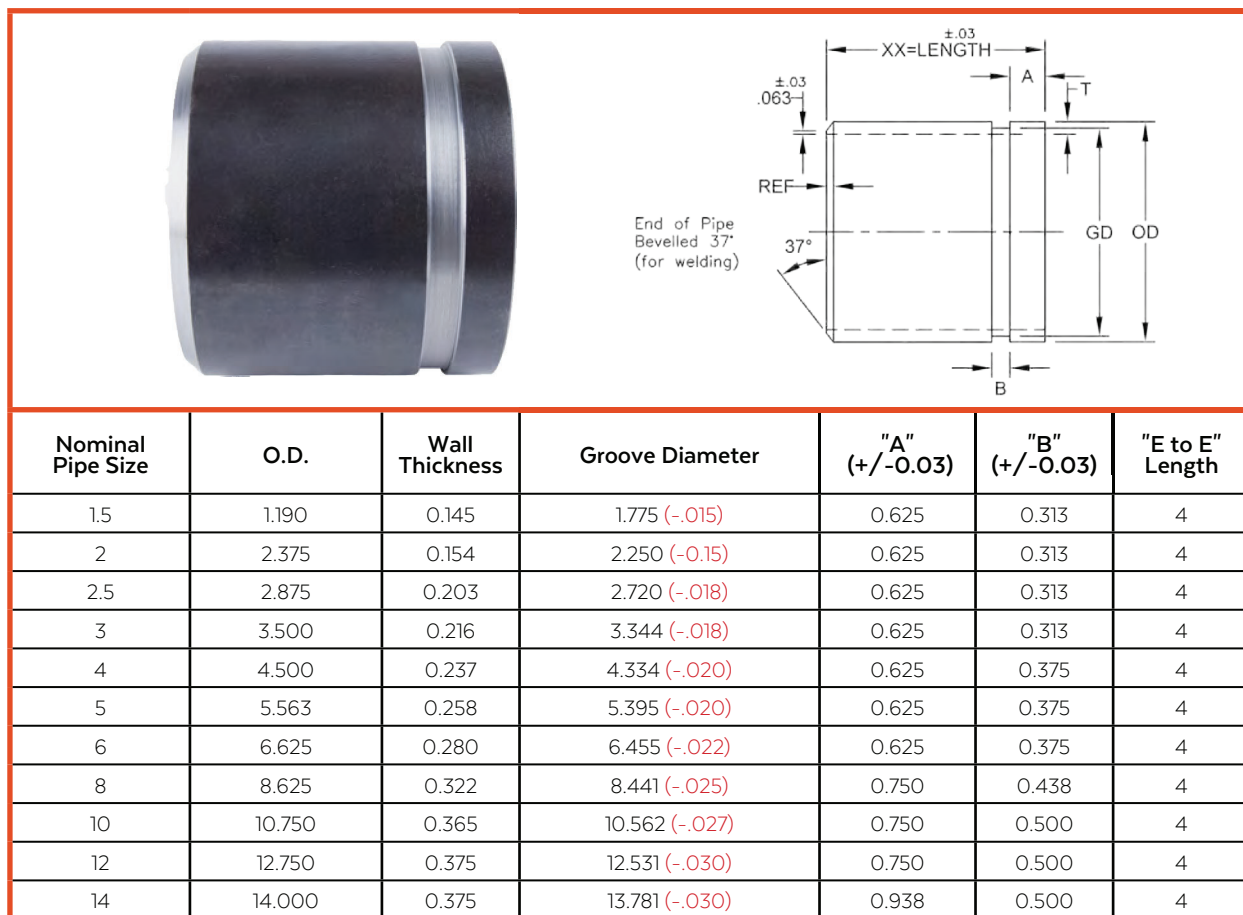
- **UL/FM APPROVED**
- **NON-UL/FM VERSION**

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE STATED.

- 1) A hard metal washer is required between the # K41 gasket and any rubber mating surface, i.e. wafer and lug butterfly valves, flexible connectors, etc.
- 2) Two factory supplied closure bolts are included with the Model K41 Grooved Flange Adapter.
- 3) The Model K41 Grooved Flange Adapters should not be used as an anchor point for tie-rods on un-restrained joints
- 4) When mounting the Model K41 Grooved Flange Adapter to valves, assure that there is adequate clearance between the flange and valve handle, operator, etc.
- 5) The standard finish is Epoxy Powder Coat, but other finishes are available upon request, including Paint, Dacromet and Hot-Dip Galvanized.
- 6) Compatible with KLAMPz KGE product line.
- 7) Flange drilling pattern meets ANSI 125/150#

K58 Groove x Bevel Adapter Nipple

KLAMP[®]_z
Grooved Piping System

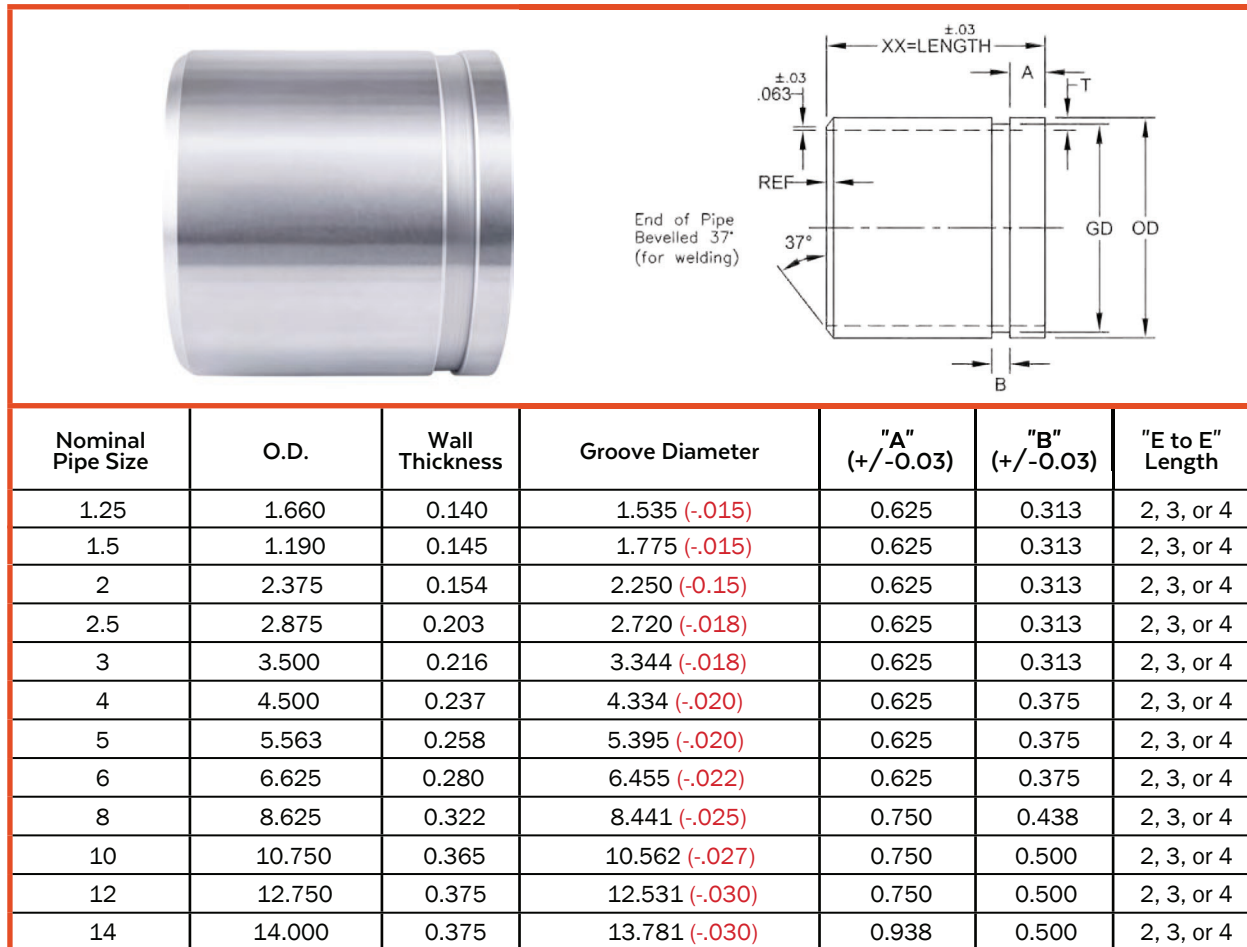


ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE STATED.

- 1) Pipe nipples are cut-grooved per ANSI /AWWA C606.
- 2) Pressure ratings are dependent upon coupling selected.
- 3) Different pipe schedules and materials are available upon request.
- 4) Nipples $\leq 2"$ are manufactured from ASTM A53 Grade B black Schedule 80 pipe.
- 5) Nipples $\geq 2.5"$ are manufactured from ASTM A53 Grade B black Schedule 40 pipe.

SK58 Groove x Bevel Adapter Nipple

KLAMP^z
Grooved Piping System



ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE STATED.

- 1) Pipe nipples are cut-grooved per ANSI/AWWA C606.
- 2) Stainless steel class follows ASME B36.19.
- 3) Pressure ratings are dependent upon the coupling selected.
- 4) Nipples $\leq 2"$ are manufactured from Sch.80 stainless steel pipe to ASTM A312 304, 304L, 316, 316L
- 5) Nipples $\geq 2.5"$ are manufactured from Sch.40 stainless steel pipe to ASTM A312 304, 304L, 316, 316L
- 6) Other sizes and lengths available upon request.

K60 Grooved Cap
KLAMP[®]z
Grooved Piping System


Part Number	Nominal Size	Pipe O.D	"L"	UL/FM Working Pressure	Non-UL/FM Working Pressure
K600150P(-ULFM)	1.5	1.900	0.94	300 psi	500 psi
K600200P(-ULFM)	2	2.375	0.94		
K600250P(-ULFM)	2.5	2.875	0.94		
K600300P(-ULFM)	3	3.500	0.94		
K600400P(-ULFM)	4	4.500	1.00		
K600500P(-ULFM)	5	5.563	1.00		
K600600P(-ULFM)	6	6.625	1.00		
K600800P(-ULFM)	8	8.625	1.26		
K601000P(-ULFM)	10	10.750	1.26		
K601200P(-ULFM)	12	12.750	1.26		

AVAILABLE IN:

- **UL/FM APPROVED**
- **NON-UL/FM VERSION**

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE STATED.

- 1) Model K60 are cast ductile iron conforming to ASTM A536, Gr. 65.45.12.
- 2) Dimensions adhere to ANSI/AWWA C606-06.
- 3) The standard finish is Epoxy Powder Coat, but other finishes are available upon request, including Paint, Dacromet and Hot-Dip Galvanized.

KGE EPDM Gaskets**KLAMPz**
Grooved Piping System

Nominal Size	Pipe O.D	
1.5	1.900	
2	2.375	
2.5	2.875	
3	3.500	
4	4.500	
5	5.563	
6	6.625	
8	8.625	
10	10.750	
12	12.750	
14	14.000	
16	16.000	

PART NUMBER STRUCTURE

Part Number Section	Options
Type	KGE
Size	xxxx (4-digits) / (Example: Size=1.25 = 0125)
Model	K05 & K07 = BLANK K41 = -K41
Example	KGE0400-41 (K41) / KGE0125 (K05 & K07)

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE STATED.

- 1) EPDM: TEMPERATURE RANGE (-34°C) -30°F (+110°C) +230°F.
Suitable for water, non-oil, dilute acids, alkaline salt and many non-hydrocarbon chemicals. **DO NOT USE FOR HYDROCARBON SERVICES.**
- 2) Always lubricate gaskets with inert soap-based lube to avoid pinching during installation.
- 3) KGE Series Gaskets are made for KLAMPz K05, K07, and K41 product lines.

KTB Track Head Bolts

KLAMP[®]
Grooved Piping System


ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE STATED.

- 1) Bolts are mild steel, heat treated & Zinc electroplated conforming to ASTM A183, Gr.2.
- 2) Hex Nuts conform to ASTM A563 Br. B.
- 3) Threads adhere to UNC (Unified National Coarse) as put forth by ASME/ANSI.
- 4) Tensile strength = 110,000 psi; Yield = 80,000 psi; Elongation = 12%.