

Garlock Expansion Joints Bolt Torque Specifications

STYLE 206 TORQUE VALUES			
<i>Joint Size (" ID)</i>	<i>No. Of Bolts</i>	<i>Bolt Diameter (in)</i>	<i>Bolt Torque (Ft-lbs.)</i>
2	4	5/8	35
2.5	4	5/8	45
3	4	5/8	50
3.5	8	5/8	35
4	8	5/8	40
5	8	3/4	45
6	8	3/4	50
8	8	3/4	70
10	12	7/8	65
12	12	7/8	95
14	12	1	120
16	16	1	110
18	16	1-1/8	115
20	20	1-1/8	110
22	20	1-1/4	125
24	20	1-1/4	155
26	24	1-1/4	135
28	28	1-1/4	130
30	28	1-1/4	145
32	28	1-1/2	190
34	32	1-1/2	170
36	32	1-1/2	185
40	36	1-5/8	230
42	36	1-1/2	220
44	40	1-5/8	235
48	44	1-1/2	215
50	44	1-3/4	295
54	44	1-3/4	330
56	48	1-3/4	335
60	52	1-3/4	340
62	52	1-3/4	385
66	52	1-3/4	420
72	60	1-3/4	415
78	60	2	470
84	64	2	510
90	68	2	545
96	68	2-1/4	690
108	72	2-1/4	830
120	84	2-1/4	710

Table 1. *Style 206 Torque Values*

STYLE 204/204HP TORQUE VALUES			
<i>Joint Size (" ID)</i>	<i>No. Of Bolts</i>	<i>Bolt Diameter (in)</i>	<i>Bolt Torque (Ft-lbs.)</i>
1	4	1/2	20
1.25	4	1/2	25
1.5	4	1/2	30
2	4	5/8	40
2.5	4	5/8	55
3	4	5/8	65
3.5	8	5/8	40
4	8	5/8	45
5	8	3/4	50
6	8	3/4	55
8	8	3/4	85
10	12	7/8	80
12	12	7/8	115
14	12	1	145
16	16	1	135
18	16	1-1/8	140
20	20	1-1/8	135
22	20	1-1/4	155
24	20	1-1/4	190
26	24	1-1/4	170
28	28	1-1/4	160
30	28	1-1/4	180
32	28	1-1/2	240
34	32	1-1/2	210
36	32	1-1/2	235
40	36	1-5/8	290
42	36	1-1/2	275
44	40	1-5/8	295
48	44	1-1/2	265
50	44	1-3/4	365
54	44	1-3/4	415
56	48	1-3/4	420
60	52	1-3/4	425
62	52	1-3/4	480
66	52	1-3/4	530
72	60	1-3/4	520
78	60	2	590
84	64	2	640
90	68	2	680
96	68	2-1/4	860
108	72	2-1/4	1040
120	84	2-1/4	890

Table 2. *Style 204/204 HP Torque Values*

STYLE 207/208 TORQUE VALUES			
<i>Joint Size (" ID)</i>	<i>No. Of Bolts</i>	<i>Bolt Diameter (in)</i>	<i>Bolt Torque (Ft-lbs.)</i>
2	4	5/8	30
2.5	4	5/8	40
3	4	5/8	45
3.5	8	5/8	25
4	8	5/8	30
5	8	3/4	35
6	8	3/4	40
8	8	3/4	60
10	12	7/8	55
12	12	7/8	75
14	12	1	100
16	16	1	95
18	16	1-1/8	100
20	20	1-1/8	95
22	20	1-1/4	110
24	20	1-1/4	130
26	24	1-1/4	115
28	28	1-1/4	110
30	28	1-1/4	125
32	28	1-1/2	165
34	32	1-1/2	145
36	32	1-1/2	160
40	36	1-5/8	200
42	36	1-1/2	190
44	40	1-5/8	205
48	44	1-1/2	185
50	44	1-3/4	255
54	44	1-3/4	285
56	48	1-3/4	290
60	52	1-3/4	295
62	52	1-3/4	335
66	52	1-3/4	370
72	60	1-3/4	360
78	60	2	410
84	64	2	450
90	68	2	470
96	68	2-1/4	600
108	72	2-1/4	720
120	84	2-1/4	620

Table 3. *Style 207/208 Torque Values*

STYLE 8100 TORQUE VALUES			
<i>Joint Size (" ID)</i>	<i>No. Of Bolts</i>	<i>Bolt Diameter (in)</i>	<i>Bolt Torque (Ft-lbs.)</i>
2	4	5/8	13
2.5	4	5/8	15
3	4	5/8	23
4	8	5/8	15
5	8	3/4	23
6	8	3/4	28
8	8	3/4	38
10	12	1	28
12	12	1	38

Table 4. *Style 8100 Torque Values*

STYLE 214/215 TORQUE VALUES (PTFE JOINTS)			
<i>Joint Size (" ID)</i>	<i>No. Of Bolts</i>	<i>Bolt Diameter (in)</i>	<i>Bolt Torque (Ft-lbs.)</i>
1	4	1/2	10
1.5	4	1/2	15
2	4	5/8	25
2.5	4	5/8	30
3	4	5/8	45
4	8	5/8	30
5	8	3/4	45
6	8	3/4	55
8	8	3/4	75

Table 5. *Style 214/215 Torque Values*

STYLE 203/213 TORQUE VALUES (PTFE JOINTS)			
<i>Joint Size (" ID)</i>	<i>No. Of Bolts</i>	<i>Bolt Diameter (in)</i>	<i>Bolt Torque (Ft-lbs.)</i>
1	4	1/2	10
1.5	4	1/2	15
2	4	5/8	25
2.5	4	5/8	30
3	4	5/8	45
4	8	5/8	30
5	8	3/4	45
6	8	3/4	55
8	8	3/4	75
10	12	7/8	60
12	12	7/8	70

Table 6. *Style 203/213 Torque Values*

STYLE G306 TORQUE VALUES (FEP LINED)			
<i>Joint Size (" ID)</i>	<i>No. Of Bolts</i>	<i>Bolt Diameter (in)</i>	<i>Bolt Torque (Ft-lbs.)</i>
3	4	5/8	70
4	8	5/8	45
6	8	3/4	60
8	8	3/4	90
10	12	7/8	85
12	12	7/8	120
14	12	1	160
16	16	1	150
18	16	1-1/8	155
20	20	1-1/8	145

Table 7. *Style G306 Torque Values*

STYLE G200/G200HP TORQUE VALUES (FEP LINED)			
<i>Joint Size (" ID)</i>	<i>No. Of Bolts</i>	<i>Bolt Diameter (in)</i>	<i>Bolt Torque (Ft-lbs.)</i>
1	4	1/2	25
1.25	4	1/2	30
1.5	4	1/2	35
2	4	5/8	50
3	4	5/8	75
4	8	5/8	50
5	8	3/4	60
6	8	3/4	70
8	8	3/4	100
10	12	7/8	95
12	12	7/8	135
14	12	1	175
16	16	1	160
18	16	1-1/8	170
20	20	1-1/8	160
22	20	1-1/4	185
24	20	1-1/4	230

Table 8. *Style G200 Torque Values*