

# Flared Ends / Stub Ends

October, 2021

## MATERIAL

- **Body:** Cross Linked Polyethylene (PE-Xa)

## SPECIFICATIONS

- **Temperature range:** -50°C / -58°F to 110°C / 230°F



## Pressure-Temperature De-rating Table [Bar/Psi]

Temperature °C/°F	Class 10	Class 15	Class 24
10 / 50	11.20 / 162.4	17.0 / 246.5	26.90 / 390.1
20 / 68	9.90 / 143.5	15.0 / 217.5	23.80 / 345.1
30 / 86	8.80 / 127.6	13.3 / 192.9	21.10 / 306.0
40 / 104	7.80 / 113.1	11.8 / 171.1	18.70 / 271.2
50 / 122	7.00 / 101.5	10.5 / 152.2	16.70 / 242.2
60 / 140	6.30 / 91.3	9.5 / 137.7	15.00 / 217.5
70 / 158	5.60 / 81.2	8.5 / 123.2	13.40 / 194.3
80 / 176	5.10 / 73.9	7.5 / 108.7	12.00 / 174.0
90 / 194	4.50 / 65.2	6.8 / 98.6	10.90 / 158.0
95 / 203	4.10 / 59.4	6.4 / 92.8	10.30 / 149.3
100 / 212	3.5 / 50.7	5.5 / 79.7	9.0 / 130.5
105 / 221	2.8 / 50.7	4.5 / 65.2	7.0 / 101.5
110 / 230	2.40 / 34.8	3.8 / 55.1	5.90 / 85.5

Table in compliance with DIN 16892.

## Length (L) for Pexgol stub end

Pipe diameter (mm)	Standard length (mm)	Minimum length L (mm)
32	500	85
40	500	85
50	500	104
63	500	120
75	500	130
90	500	140
110	500	160
125	500	182
140	500	180
160	500	180
180	500	198
200	500	200
225	500	200
250	500	215
280	500	228
315	500	238
355	500	255
400	500	285
450	500	320
500	500	350

## Bolts for connecting flared ends

Pexgol Pipe dia.	Flange size	Bolt size**	Bolt length (mm)**	No. of bolts	Torque N x m	Torque lb x ft
63	2"	5/8"	50	4	98	72
75	2 ½"	5/8"	50	4	98	72
90	3"	5/8"	50	4	98	72
110	4"	5/8"	50	8	98	72
125	4"	5/8"	50	8	98	72
140	6"	3/4"	60	8	163	120
160	6"	3/4"	60	8	163	120
180	6"	3/4"	60	8	163	120
200	8"	3/4"	60	8	163	120
225	8"	3/4"	60	8	163	120
250	10"	7/8"	70	12	260	192
280	10"	7/8"	70	12	260	192
315	12"	7/8"	70	12	260	192
355	14"	1"	70	12	399	294
400	16"	1"	75	16	399	294
450	18"	1-1/8"	75	16	578	426
500	20"	1-1/8"	100	20	578	426

### Notes:

- Torquening the bolts should be done in a crisscross manner.
- When connecting a GP Flange Coupler with a flared end, the torquening values of the GP Flange Coupler are the ones that should be used.
- The flared end should be used together with Golan's approved flanges.

## Fixpoint Requirements

OD	Class					
	10	12	15	19	24	30
32						
40			X	X	X	X
50			X	X	X	X
63			X	X	X	X
75	X	X	X	X	X	X
90	X	X	X	X	X	X
110	X	X	X			
125	X	X	X			
140	X	X	X			
160	X	X	X			
180	X	X	X			
200						
225						
250						
280						
315						
355						
400						
450						
500						

Fixpoint is not required      Fixpoint is required

\*Fixpoints are required in some cases (see table) in order to prevent pipe pull-out.