



FLEX-GEAR® CONSTANT TENSION CLAMPS



Flex-Gear® Constant Tension Clamps use a 300SS Belleville spring design which maintains constant tension on the connection, eliminating leak paths, making them an excellent choice for fluctuating temperature applications and thermal compensation. The Flex-Gear® clamp is designed with a lined band, protecting the hose from shearing, extruding, or imprinting when the clamp is tightened.

Flex-Gear® Ideal 43 Series & Ideal 47 Series

- 9/16" lined band designed to protect a hose's outer cover
- Belleville spring and clamp construction built to respond to constant temperature fluctuations
- 5/16" hex head available in plated carbon steel (Ideal 43 Series) or 410 stainless (Ideal 47 Series)
- 50 lbf-in for most applications / minimum destructive torque is 85 lbf-in

FIND YOUR PART NUMBER

Size	Min (in)	Max (in)	Min (mm)	Max (mm)	Ideal 43	Ideal 47
10	9/16	1-1/16	14	27	43010	47010
12	5/8	1-1/4	16	32	43012	47012
16	13/16	1-1/2	21	38	43016	47016
20	13/16	1-3/4	20	44	43020	47020
24	1-1/16	2	27	51	43024	47024
28	1-5/16	2-1/4	33	57	43028	47028
32	1-9/16	2-1/2	40	63	43032	47032
36	1-13/16	2-3/4	46	70	43036	47036
40	2-1/16	3	52	76	43040	47040
44	2-5/16	3-1/4	59	82	43044	47044
48	2-9/16	3-1/2	65	89	43048	47048

FIND YOUR PART NUMBER

Size	Min (in)	Max (in)	Min (mm)	Max (mm)	Ideal 41	Ideal 45
175	1	1-3/4	25	45	41175	45175
212	1-1/4	2-1/8	32	54	41200	45200
262	1-3/4	2-5/8	45	67	41250	45250
312	2-1/4	3-1/8	57	79	41300	45300
362	2-3/4	3-5/8	70	92	41350	45350
412	3-1/4	4-1/8	83	105	41400	45400
462	3-3/4	4-5/8	95	117	41450	45450
512	4-1/4	5-1/8	108	130	41500	45500
562	4-3/4	5-5/8	121	143	41550	45550
612	5-1/4	6-1/8	133	155	41600	45600
662	5-3/4	6-5/8	146	168	41650	45650
712	6-1/4	7-1/8	159	181	41700	45700
762	6-3/4	7-5/8	172	193	41750	45750
812	7-1/4	8-1/8	184	206	41800	45800
862	7-3/4	8-5/8	197	219	41850	45850
912	8-1/4	9-1/8	210	232	41900	45900

*Additional sizes available

Flex-Gear® HD Ideal 41 Series & Ideal 45 Series

- 5/8" lined band designed to protect a hose's outer cover
- Belleville spring and clamp construction built to respond to constant temperature fluctuations
- 3/8" hex head available in plated carbon steel (Ideal 41 Series) or 410 stainless (Ideal 45 Series)
- 75 lbf-in for most applications / minimum destructive torque is 140 lbf-in

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