






FLEX-GEAR® CONSTANT TENSION


Flex-Gear clamps use a Belleville spring design to eliminate “cold flow” leakage that adjusts with the hose and fitting to maintain constant tension on the connection, eliminating leak paths. Flex-Gear clamps are an excellent choice for fluctuating temperature applications and thermal compensation. **Features and Benefits:** Belleville spring and clamp construction is built to respond to constant temperature fluctuations. The larger, heavier-gauge, precision-formed springs provide higher rates of band tension and adjustment for a more dependable seal. Inner liner protects against shearing of the hose surfaces.





Flex-Gear Ideal 43




5/16" Hex Head  Plated Carbon Steel	Housing  301 Stainless	Spring  301 Stainless	9/16" Lined Band  301 Stainless
--	---	---	--

Flex-Gear Ideal 47






5/16" Hex Head  410 Stainless	Housing  301 Stainless	Spring  301 Stainless	9/16" Lined Band  301 Stainless
--	---	---	--


 50 lbf-in (5.6 Nm) for most applications /
Minimum destructive torque is 85 lbf-in (9.6 Nm)





Flex-Gear HD Ideal 41




3/8" Hex Head  Plated Carbon Steel	Housing  304 Stainless	Spring  301 Stainless	5/8" Lined Band  304 Stainless
---	---	---	---

Flex-Gear HD Ideal 45



3/8" Hex Head  410 Stainless	Housing  304 Stainless	Spring  301 Stainless	5/8" Lined Band  304 Stainless
---	---	---	---

 75 lbf-in (8.5 Nm) for most applications /
Minimum destructive torque is 140 lbf-in (16 Nm)

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



DID YOU KNOW...

Ideal-Tridon offers a next generation, lighter smart clamp that can be used instead of heavier Flex-Gear clamps? If weight savings and compact design are your key needs, review our lineup of SmartSeal clamps on page 8. SmartSeal clamps represent the pinnacle in joint sealing technology, and their ultra compact profile is perfect for high vibration and thermal cycling applications.