

WAVESEAL360°

SELF-ADJUSTING, CONSTANT PRESSURE CLAMP

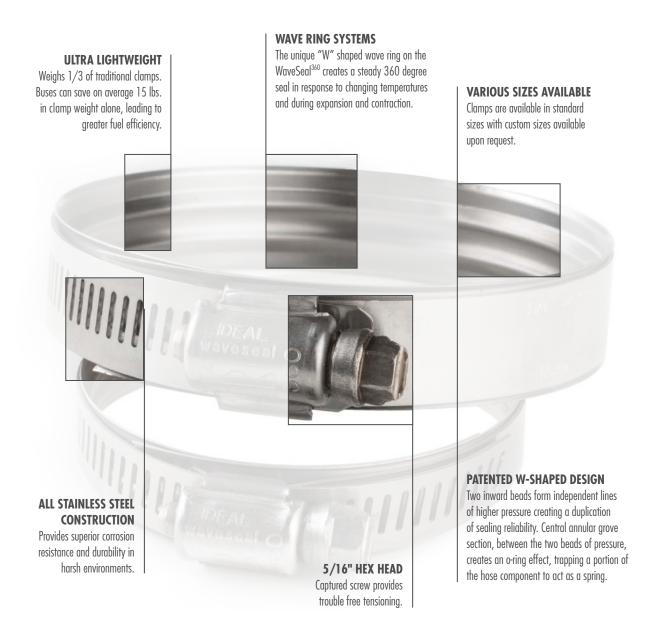


Did you know hoses can leak when there is a wide variation in underhood temperatures? This thermal expansion and contraction loosens hose clamps over time. And when leaks happen, it is usually something critical. But the engineers at Ideal Clamp Products, Inc. have solved this problem by designing a new hybrid smart clamp. Now you can purchase a hose clamp that self-adjusts to the changing underhood environment. It's a whole new way to think about connections because WaveSeal 360° clamps:

- Utilize a patented sealing ring technology that self adjusts automatically as thermal cycling occurs
- Expand or contract as the sealed joint changes, maintaining a constant, steady pressure 360 degrees around the connection
- Produce a sealing o-ring effect that prevents leakage
- Are much lighter, smarter and more compact than T-bolt and Belleville clamps
- Are all stainless steel construction

Discover the Holding Power of WaveSeal^{360°} Clamps

Thermal cycling, cold flow and temperature fluctuations are among the main reasons leaks occur. The uniquely engineered profile of the IDEAL-TRIDON® WaveSeal³60 hybrid smart clamp secures hose connections and prevents the unwanted flow of fluid and air. Through its patented hybrid technology, this next generation clamp seals in a steady 360-degree pattern in response to pressure and temperature changes. And with its compact design and lower profile, you get an optimal heavy-duty constant tension clamp without all the bulk.





How WaveSeal³⁶⁰ Clamp Systems Beat Standard Clamps

IDEAL-TRIDON WaveSeal³⁶⁰ Clamp Systems were designed in response to the leakage attributed to thermal cycling, plus today's challenging lighter weight and space constraints.



Integrated Two-Piece Design

WaveSeal³⁶⁰ Clamps are comprised of two main parts, the clamp assembly and the wave ring

- The wave ring is high quality stainless steel and inside the clamp
- Specifically tempered, thin gauge steel reacts to temperatures
- Becomes a smart clamp on the hose, expanding or contracting with temperatures
- The clamp rides on this ring so pressure is more evenly distributed around the hose

Tested Tough

Recent leak pressure tests show that WaveSeal³⁶⁰ Clamp Systems perform better in thermal cycling than typical constant tension clamps. Further testing revealed WaveSeal³⁶⁰ Clamp Systems perform even better over time when compared to other leading brands in the same category.

IDEAL-TRIDON WaveSeal³⁶⁰ **Clamp Systems** are engineered to last longer, and perform better than old-school clamps in the most demanding environments.





- Spring compensation over 360 degrees
- · Improved clamp roundness eliminates leak paths at housing juncture
- O-ring effect allows hose to act as an additional spring component
- · Outside, chamfered liner edge protects hose component from cutting





A Proven Design Partner

IDEAL-TRIDON® has spent decades engineering the world's best clamping products, but we also offer customized solutions to fit your demanding applications. We offer a wide range of materials to choose from and can engineer a custom clamping product that meets or exceeds your expectations. In fact, our engineers become your engineers. And they are ready to help you find new ways to build stronger, lighter and more compact clamping assemblies today or for a future project.

FIND YOUR PART NUMBER					
Size	Min (in)	Max (in)	Min (mm)	Max (mm)	WaveSeal ³⁶⁰
16	13/16	1-19/64	21	33	36003-0016
20	1-1/16	1-9/16	26	40	36003-0020
22	1-1/8	1-11/16	29	43	36003-0022
24	1-3/16	1-13/16	30	46	36003-0024
28	1-5/16	2-1/16	34	52	36003-0028
32	1-9/16	2-5/16	39	59	36003-0032
34	1-5/8	2-7/16	41	62	36003-0034
36	1-11/16	2-9/16	43	65	36003-0036
40	1-13/16	2-13/16	46	71	36003-0040
44	2-1/16	3-1/16	52	78	36003-0044
48	2-3/16	3-5/16	56	84	36003-0048
52	2-3/8	3-9/16	60	91	36003-0052
56	2-1/2	3-13/16	64	97	36003-0056
60	2-11/16	4-1/16	68	103	36003-0060
64	2-13/16	4-5/16	71	110	36003-0064
72	3-3/16	4-13/16	81	122	36003-0072
80	3-9/16	5-5/16	90	135	36003-0080

97

148



88

Note: We offer custom assembly clips for easy installation via automation. Available in 1/2" and 10 mm band widths.

5-13/16

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