



SMARTSEAL

THE LAST CLAMP YOU'LL EVER NEED



THE MAGIC IS ON THE INSIDE

One of the biggest challenges in sealing air and coolant connections is being able to counteract thermal expansion and contraction caused by underhood temperature variations. Normal engine vibration alone can promote a leaky situation. The IDEAL-TRIDON® self-adjusting, stainless steel SmartSeal clamps solve this problem. Featuring patented SmartLiner technology

on the inside, SmartSeal forms a unique 360 degree seal around joints and prevents leakage of fluid and air when subjected to temperature extremes and vibration. This technology is a whole new way to think about connections.

It's not just a solution – it's a really smart one.

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How SmartSeal Clamp Systems Outperform Standard Clamps

IDEAL-TRIDON SmartSeal 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

SmartSeal Clamps are comprised of two main parts, the clamp assembly and the SmartLiner.

- ▶ The SmartLiner is a spring liner made of high quality stainless steel integrated inside the clamp
- ▶ Designed to be smart, the thin gauge steel expands and contracts around hose with temperature changes
- ▶ Clamp rides on top of lubricated liner, distributing pressure more evenly around hose


Tested Tough

Leak pressure tests show that SmartSeal clamps perform better in thermal cycling than typical constant tension clamps and perform better over time when compared to other leading brands in the same category.





A Proven Design Partner

IDEAL-TRIDON® has spent decades engineering the world's best clamping products, and can provide 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.


IDEAL-TRIDON SmartSeal Clamp Systems are engineered to last longer, and perform better than traditional hose clamps in the most demanding environments.



SmartSeal Ideal-Tridon 37215

5/16" Hex Head	Housing	1/2" Band	1/2" Spring Liner
			
300 Stainless	300 Stainless	300 Stainless	300 Stainless

THE SMARTSEAL CHANNEL DESIGN



High Pressure

- ▶ Spring compensation over 360 degrees
- ▶ Improved clamp roundness eliminates leak paths at housing juncture
- ▶ Trough-shaped design creates higher pressure loading compared to conventional worm gear, increasing resistance against potential leaks
- ▶ Trough shape helps clamp "grip" by penetrating deeper into the hose wall over a narrower cross-section (footprint)

FIND YOUR PROFIT CENTER PART NUMBER

Product	Part No.
SmartSeal Clamp Rack Only	2688001
SmartSeal Clamps Only: 50 pcs.	99902-7215-051*
SmartSeal Clamp Rack + Clamps	99903-7215-051*
SmartSeal Profit Center Kit: Rack + Clamps + Blister Assortment with Clip Strip	99904-7215-051*
Blister Assortment with Clip Strip	99904-7215-058

* For barcoded clamps replace 051 with 053

FIND YOUR BLISTER PART NUMBER

Size	Qty.	Blister Part No.
16	1 pack (2 clamps)	37215-0016-058
20	1 pack (2 clamps)	37215-0020-058
24	1 pack (2 clamps)	37215-0024-058
28	1 pack (2 clamps)	37215-0028-058
36	1 pack (2 clamps)	37215-0036-058
40	1 pack (2 clamps)	37215-0040-058



Barcoded 10-piece sub packs available

FIND YOUR SMARTSEAL CLAMP PART NUMBER

Size	Min (in)	Max (in)	Min (mm)	Max (mm)	SmartSeal
16	1-3/32"	1-9/32"	28	33	37215-0016*
20	1-1/8	1-9/16	29	40	37215-0020*
22	1-7/16	1-11/16	36	43	37215-0022
24	1-1/2	1-13/16	38	46	37215-0024*
28	1-3/4	2-1/16	43	52	37215-0028*
32	1-15/16	2-5/16	48	59	37215-0032
34	2	2-7/16	50	62	37215-0034
36	2-1/8	2-9/16	53	65	37215-0036*
40	2-5/16	2-13/16	58	71	37215-0040*
44	2-1/2	3-1/16	63	78	37215-0044
48	2-11/16	3-5/16	67	84	37215-0048
52	2-7/8	3-9/16	73	91	37215-0052
56	3-1/16	3-13/16	77	97	37215-0056
60	3-1/4	4-1/16	82	103	37215-0060
64	3-7/16	4-5/16	87	110	37215-0064
72	3-3/4	4-13/16	96	122	37215-0072
80	4-3/16	5-5/16	105	135	37215-0080
88	4-1/2	5-13/16	115	148	37215-0088

*Available in blister packs

SmartSeal Profit Center Kits











If you're looking to display your SmartSeal clamps, we offer an attractive profit center kit. This kit includes:

- ▶ **SmartSeal Clamp Rack:** holds 50 clamps and comes with peg-board hooks
- ▶ **SmartSeal Clamps:** 50 clamps in five 10-piece sub pack boxes in sizes 20, 24, 28, 36, and 40
- ▶ **SmartSeal Blister Assortment with Clip Strip:** comes with ten SmartSeal blister packs, two each of size 20, 24, 28, 36, and 40

SmartSeal Packaging

SmartSeal Clamps are available in 10-piece sub packs (with or without barcode), bulk, and in handy blister packs. The blister packs are clearly imprinted with the individual part number and sizing, while allowing your customers to view the latest in sealing technology for themselves!



CROSS REFERENCE CHART						SmartSeal 1/2" 37215 300 SS + 305 Screw	WaveSeal 9/16" 36003 300 SS + 410 Screw	SmartSeal HD 5/8" 38215 300 SS + 410 Screw
Current Clamp		Screw Material	Ideal-Tridon PN	Breeze PN	RGRay			
Heavy Duty Type F Pow'r-Gear		410 Stainless	6Xxxx	HTM-XXX	-	37215	36003	-
T-Bolt		Carbon Plated	30010	TB-XXX	650-XX-XXX 700-XX-XXX	-	-	38215
Spring T-Bolt		Carbon Plated	30030	B9226-XXXX	667-XX-XXX	-	-	38215
Belleville Washer HD Flex-Gear		Carbon Plated	41xxx	CT-XXX-L	-	-	36003	38215
Belleville Washer HD Flex-Gear		410 Stainless	45xxx	CT-XXX-L SS	-	-	36003	38215
1/2" Type F Hy-Gear		410 Stainless	67xx1	64XXX	-	37215	-	-
9/16" Type F Hy-Gear		410 Stainless	68xxx	200-XX H	-	37215	36003	-

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GLOBAL HEADQUARTERS

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