

NON-PERFORATED

Non-Perforated (Embossed) clamps are based on our popular general purpose worm gear clamps, but are engineered to prevent hose damage during installation. The non-perforated band keeps soft silicone hoses from shearing or extruding during installation and final torquing, maintaining the integrity of the connection, and providing a more stable seal. Plus, Ideal-Tridon Non-Perforated clamps are available in several material configurations making them perfect for automotive, marine and many industrial applications. Better yet, they act and perform just like traditional worm gear clamps, fitting into restricted spaces and holding tightly over time. Consider Ideal-Tridon Non-Perforated worm gear clamps for your next application, and get the assurance of damage-free clamping technology to keep your connection secure.

WIDE CROSS SADDLE

Wide cross saddle provides a more even support structure upon installation and longer term band tension.


**MEETS OR EXCEEDS
DIN 3017 STANDARD**

MATERIAL SPECIFICATIONS AND CLAMPING RANGES

Material specifications and clamping ranges are stamped on clamp band for easy identification and proper application fitment. (See chart on right)


SMOOTH INSIDE BAND

Smooth inside band protects soft hoses against shearing and fray, extending service life.




9 mm Band


7 mm Hex Head




Housing




9 mm Band Width



For material composition please see chart on right.




18 lbf-in (20.0 Nm) for sizes 016 and below / Minimum destructive torque is 31 lbf-in (3.5 Nm)
27 lbf-in (3.0 Nm) for sizes 018 and up / Minimum destructive torque is 40 lbf-in (4.5 Nm)




12 mm Band


7 mm Hex Head




Housing



12 mm Band Width



For material composition please see chart on right.



44 lbf-in (5.0 Nm) for most applications / Minimum destructive torque is 73 lbf-in (8.2 Nm)

FIND YOUR PART NUMBER

Band Width	Min (in)	Max (in)	Min (mm)	Max (mm)	W2 Ideal	W2 Tridon	W3 Ideal	W3 Tridon	W4 Ideal	W4 Tridon	W5 Ideal	W5 Tridon
9 mm	5/16	15/32	8	12	53302-0012	53312-0012	53303-0012	53313-0012	53304-0012	53314-0012	53305-0012	53315-0012
	3/8	5/8	10	16	53302-0016	53312-0016	53303-0016	53313-0016	53304-0016	53314-0016	53305-0016	53315-0016
	15/32	25/32	12	20	53302-0020	53312-0020	53303-0020	53313-0020	53304-0020	53314-0020	53305-0020	53315-0020
	15/32	7/8	12	22	53302-0022	53312-0022	53303-0022	53313-0022	53304-0022	53314-0022	53305-0022	53315-0022
	5/8	1-1/16	16	27	53302-0027	53312-0027	53303-0027	53313-0027	53304-0027	53314-0027	53305-0027	53315-0027
	25/32	1-1/4	20	32	53302-0032	53312-0032	53303-0032	53313-0032	53304-0032	53314-0032	53305-0032	53315-0032
	29/32	1-3/8	23	35	53302-0035	53312-0035	53303-0035	53313-0035	53304-0035	53314-0035	53305-0035	53315-0035
	1	1-9/16	25	40	53302-0040	53312-0040	53303-0040	53313-0040	53304-0040	53314-0040	53305-0040	53315-0040
	1-3/16	1-3/4	30	45	53302-0045	53312-0045	53303-0045	53313-0045	53304-0045	53314-0045	53305-0045	53315-0045
	1-3/16	1-31/32	30	50	53302-0050	53312-0050	53303-0050	53313-0050	53304-0050	53314-0050	53305-0050	53315-0050
	1-9/16	2-3/8	40	60	53302-0060	53312-0060	53303-0060	53313-0060	53304-0060	53314-0060	53305-0060	53315-0060
	1-31/32	2-3/4	50	70	53302-0070	53312-0070	53303-0070	53313-0070	53304-0070	53314-0070	53305-0070	53315-0070
	2-3/8	3-1/8	60	80	53302-0080	53312-0080	53303-0080	53313-0080	53304-0080	53314-0080	53305-0080	53315-0080
	2-3/4	3-1/2	70	90	53302-0090	53312-0090	53303-0090	53313-0090	53304-0090	53314-0090	53305-0090	53315-0090
	3-1/8	3-15/16	80	100	53302-0100	53312-0100	53303-0100	53313-0100	53304-0100	53314-0100	53305-0100	53315-0100
	3-1/2	4-5/16	90	110	53302-0110	53312-0110	53303-0110	53313-0110	53304-0110	53314-0110	53305-0110	53315-0110
	3-15/16	4-23/32	100	120	53302-0120	53312-0120	53303-0120	53313-0120	53304-0120	53314-0120	53305-0120	53315-0120
	4-5/16	5-1/8	110	130	53302-0130	53312-0130	53303-0130	53313-0130	53304-0130	53314-0130	53305-0130	53315-0130
	4-23/32	5-1/2	120	140	53302-0140	53312-0140	53303-0140	53313-0140	53304-0140	53314-0140	53305-0140	53315-0140
	5-1/8	5-29/32	130	150	53302-0150	53312-0150	53303-0150	53313-0150	53304-0150	53314-0150	53305-0150	53315-0150
5-1/2	6-5/16	140	160	53302-0160	53312-0160	53303-0160	53313-0160	53304-0160	53314-0160	53305-0160	53315-0160	
12 mm	5/8	1-1/16	16	27	53402-0027	53412-0027	53403-0027	53413-0027	53404-0027	53414-0027	53405-0027	53415-0027
	25/32	1-1/4	20	32	53402-0032	53412-0032	53403-0032	53413-0032	53404-0032	53414-0032	53405-0032	53415-0032
	1	1-9/16	25	40	53402-0040	53412-0040	53403-0040	53413-0040	53404-0040	53414-0040	53405-0040	53415-0040
	1-3/16	1-3/4	30	45	53402-0045	53412-0045	53403-0045	53413-0045	53404-0045	53414-0045	53405-0045	53415-0045
	1-1/4	1-31/32	32	50	53402-0050	53412-0050	53403-0050	53413-0050	53404-0050	53414-0050	53405-0050	53415-0050
	1-9/16	2-3/8	40	60	53402-0060	53412-0060	53403-0060	53413-0060	53404-0060	53414-0060	53405-0060	53415-0060
	1-31/32	2-3/4	50	70	53402-0070	53412-0070	53403-0070	53413-0070	53404-0070	53414-0070	53405-0070	53415-0070
	2-3/16	2-15/16	55	75	53402-0075	53412-0075	53403-0075	53413-0075	53404-0075	53414-0075	53405-0075	53415-0075
	2-3/8	3-1/8	60	80	53402-0080	53412-0080	53403-0080	53413-0080	53404-0080	53414-0080	53405-0080	53415-0080
	2-3/4	3-1/2	70	90	53402-0090	53412-0090	53403-0090	53413-0090	53404-0090	53414-0090	53405-0090	53415-0090
	3-1/8	3-15/16	80	100	53402-0100	53412-0100	53403-0100	53413-0100	53404-0100	53414-0100	53405-0100	53415-0100
	3-1/2	4-5/16	90	110	53402-0110	53412-0110	53403-0110	53413-0110	53404-0110	53414-0110	53405-0110	53415-0110
	3-15/16	4-23/32	100	120	53402-0120	53412-0120	53403-0120	53413-0120	53404-0120	53414-0120	53405-0120	53415-0120
	4-5/16	5-1/8	110	130	53402-0130	53412-0130	53403-0130	53413-0130	53404-0130	53414-0130	53405-0130	53415-0130
	4-23/32	5-1/2	120	140	53402-0140	53412-0140	53403-0140	53413-0140	53404-0140	53414-0140	53405-0140	53415-0140
	5-1/8	5-29/32	130	150	53402-0150	53412-0150	53403-0150	53413-0150	53404-0150	53414-0150	53405-0150	53415-0150
	5-1/2	6-5/16	140	160	53402-0160	53412-0160	53403-0160	53413-0160	53404-0160	53414-0160	53405-0160	53415-0160
	5-29/32	6-11/16	150	170	53402-0170	53412-0170	53403-0170	53413-0170	53404-0170	53414-0170	53405-0170	53415-0170
	6-5/16	7-3/32	160	180	53402-0180	53412-0180	53403-0180	53413-0180	53404-0180	-	53405-0180	-
	6-11/16	7-15/32	170	190	-	53412-0190	-	53413-0190	-	-	53405-0190	-
7-3/32	7-7/8	180	200	-	53412-0200	-	53413-0200	-	-	53405-0200	-	

WHICH CLAMP IS RIGHT FOR ME?

	Corrosion Resistance	Material Composition	Common Uses
W2	Average Requirements	430 Band & Housing Plated Carbon Steel Screw	Automotive - Truck Replacements - Industrial Applications
W3	Medium Requirements	All 430 Stainless Steel	Automotive OE - Industrial Applications
W4	High Requirements Low Magnetic Permeability	All 304 Stainless Steel	Critical Connections in Cars such as Petrol Pipes - Close to Electronic Circuits Agricultural Machinery - Motorbikes - Signs - General Outdoors - Stainless Steel Chimneys
W5	Maximum Requirements Salt Water Resistant Low Magnetic Permeability	All 316 Stainless Steel	Close to Electronic Circuits - Shipbuilding - Defense Technology - Food Processing Sewage Treatment Facilities