

4DTN - Dove-Tail Twirl-Nut™ (Exclusively for 4Dimension Strut - Dove-Tail Sides)



Patent Pending

- Used in dove-tail sides only
- Installs with quarter turn
- Recommended bolt length in dove-tail side - 1/2" (12.7mm)
- Zinc plated steel or Stainless Steel Type 316 (add SS6 to part number)
- Safety Factor 3.0

* Use 85% load factor for stainless steel parts

** Use 50% load factor for stainless steel dove tail sides

Part No.	Thread Size	Nut Thickness In. (mm)	Pull-Out Strength*		Slip Strength**		Wt./C	
			Lbs.	(kN)	Lbs.	(kN)	Lbs.	(kg)
4DTN224	1/4"-20	15/64" (5.9)	400	(1.78)	300	(1.33)	4.4	(1.99)
4DTN223	5/16"-18	15/64" (5.9)	490	(2.18)	300	(1.33)	4.2	(1.90)
4DTN228	3/8"-16	15/64" (5.9)	490	(2.18)	350	(1.55)	4.1	(1.86)

To achieve catalog load rating, total thread engagement is required.

Dove-Tail Sides Installation



4DSN - Dove-Tail Slide-In Nut (Exclusively for 4Dimension Strut - All Sides)



Patent Pending

- Can be used in dove-tail sides (4D21 & 4D22) and open side (4D22)
- Recommended bolt length in dove-tail side - 1/2" (12.7mm)
- Can be used in traditional channel by bending wire down
- Zinc plated steel or Stainless Steel Type 316 (add SS6 to part number)
- Safety Factor 3.0
- Reference instruction sheet for proper assembly and installation

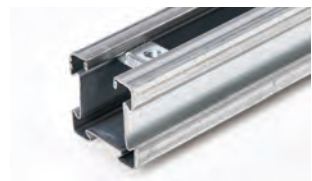
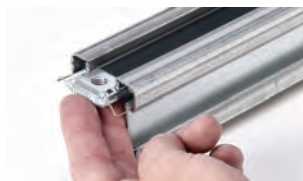
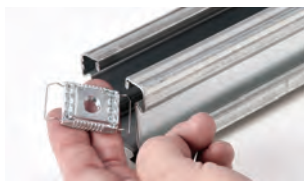
* Use 85% load factor for stainless steel

** Use 30% load factor for stainless steel open side and 50% for dove tail sides

Part No.	Thread Size	Nut Thickness In. (mm)	Pull-Out Strength*		Slip Strength**		Wt./C	
			Open Lbs. (kN)	Dove-Tail Lbs. (kN)	Open Lbs. (kN)	Dove-Tail Lbs. (kN)	Lbs. (kg)	(kg)
4DSN224	1/4"-20	1/4" (6.3)	450 (2.00)	281 (1.25)	330 (1.47)	300 (1.33)	7.1	(3.22)
4DSN223	5/16"-18	1/4" (6.3)	867 (3.85)	489 (2.17)	767 (3.41)	300 (1.33)	7.0	(3.17)
4DSN228	3/8"-16	1/4" (6.3)	883 (3.93)	446 (1.98)	1067 (4.74)	300 (1.33)	6.8	(3.08)

To achieve catalog load rating, total thread engagement is required.

Open Side Installation



Dove-Tail Sides Installation



Dimensions are in inches unless otherwise noted. Metric dimensions are in parentheses and are in millimeters unless otherwise noted.

4Dimension™ UPC Number Chart

Part Number	Finish / Material UPC Number									
	PLN	GLV	HDG	GRN	SS4	SS6	YZN	ZN	AL	DCU
4D5000-1/2	--	--	--	--	--	79903858683	--	79903858682	--	--
4D5000-3/8	--	--	--	--	--	79903858681	--	79903858680	--	--
4D5001-3/8	--	--	79903858685	--	--	--	--	79903858684	--	--
4D5100-1/2	--	79903858342	--	--	--	79903858343	--	--	--	--
4D5100-3/8	--	79903858340	--	--	--	79903858341	--	--	--	--
4D5101	--	--	--	--	--	--	--	79903858350	--	--
4DB-3-1/4	--	--	--	--	--	--	--	--	79903858344	--
4DB-3-3/8	--	--	--	--	--	--	--	--	79903858345	--
4DB-5-1/4	--	--	--	--	--	--	--	--	79903858346	--
4DB-5-3/8	--	--	--	--	--	--	--	--	79903858347	--
4DB-7-1/4	--	--	--	--	--	--	--	--	79903858348	--
4DB-7-3/8	--	--	--	--	--	--	--	--	79903858349	--
4DDN228	--	--	--	--	--	79903858325	--	79903858324	--	--
4DNW223	--	--	--	--	--	79903858321	--	79903858320	--	--
4DNW224	--	--	--	--	--	79903858319	--	79903858318	--	--
4DNW228	--	--	--	--	--	79903858323	--	79903858322	--	--
4DSN223	--	--	--	--	--	79903858329	--	79903858328	--	--
4DSN224	--	--	--	--	--	79903858327	--	79903858326	--	--
4DSN228	--	--	--	--	--	79903858331	--	79903858330	--	--
4DTN223	--	--	--	--	--	79903858315	--	79903858314	--	--
4DTN224	--	--	--	--	--	79903858313	--	79903858312	--	--
4DTN228	--	--	--	--	--	79903858317	--	79903858316	--	--
4DWN223	--	--	--	--	--	79903858335	--	79903858334	--	--
4DWN224	--	--	--	--	--	79903858333	--	79903858332	--	--
4DWN225	--	--	--	--	--	79903858339	--	79903858338	--	--
4DWN228	--	--	--	--	--	79903858337	--	79903858336	--	--

Part Number	Color / Material UPC Number					
	White	Black	Green	Yellow	Gray	Red
4D821	79903863833	79903863835	79903863836	79903863834	79903863837	79903866042
4D822	79903863828	79903863830	79903863832	79903863829	79903863831	79903866041

Part Number	Material Number
BHSC4DMRA	79903866206
BHSC100	79903866207
BHSC100B22	79903866208
BHSC1001	79903866209
BHSC1002	79903866210
BHSC1003	79903866211
BHSC1004D21	79903866212
BHSC1004D22	79903866213