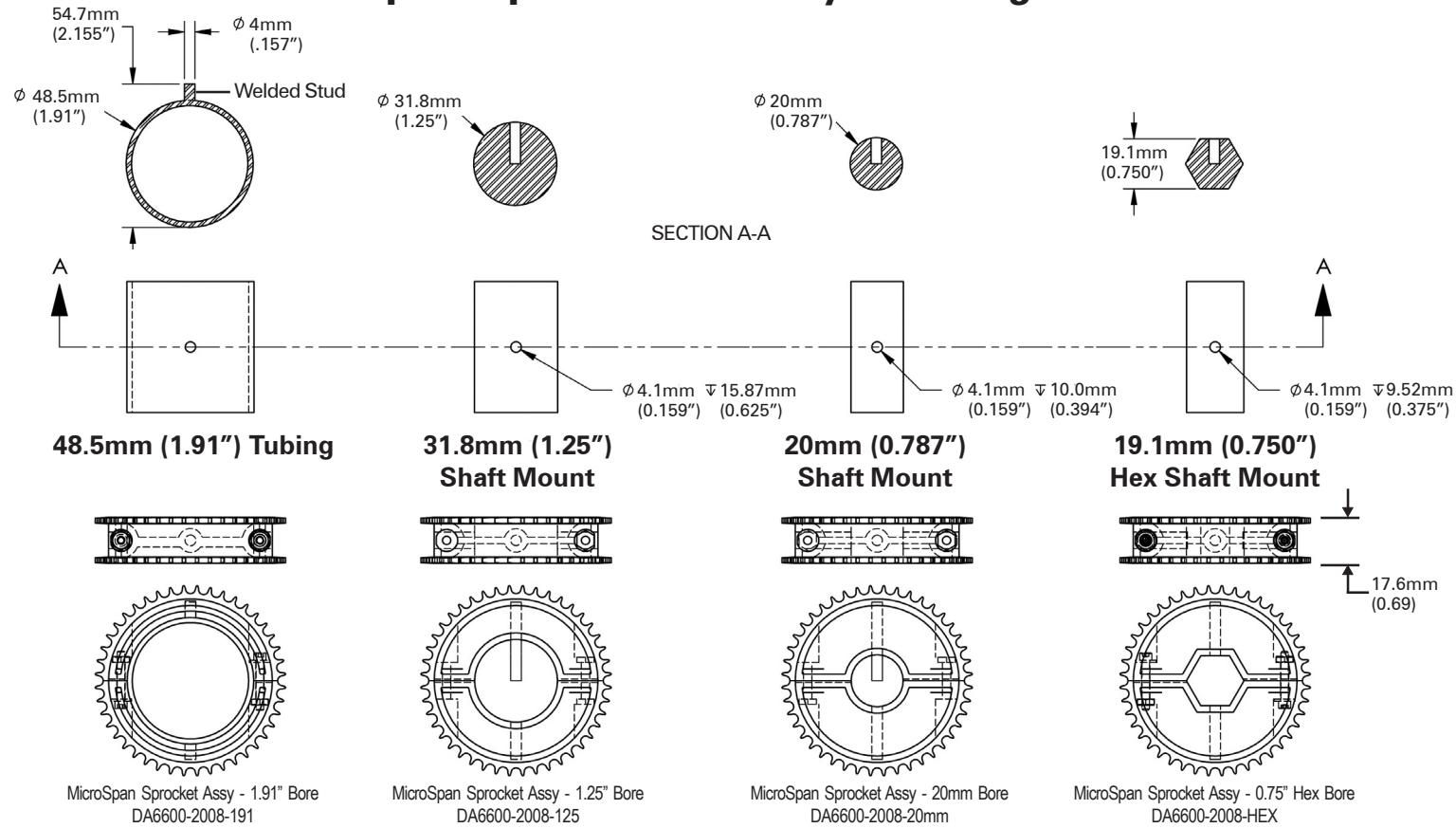


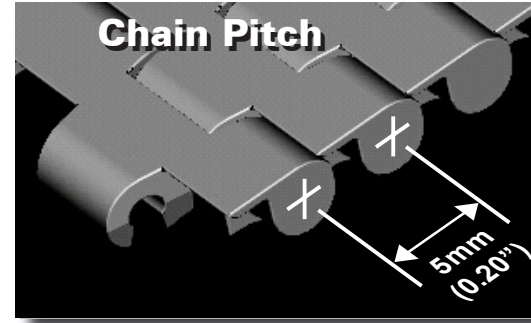
MicroSpan® Sprocket Assembly Mounting Details



MicroSpan® Chain

- Material: Acetal
- Color: dark grey
- Bi-directional around 12.7mm (1/2") or larger Nose Roller*
- Directional around 6mm (1/4") diameter Static Nose Bar*

* see illustrations - page 2



Tensile Strength of Chain ("Chain Pull")

- **6mm Chain** (Plain or Raised)
Chain Pull = **27.2 kg (60 lbs.)**
- **4mm Chain** (Plain or Raised)
Chain Pull = **9.0 kg (20 lbs.)**

The above values apply for 300mm (11.8") wide chain, used with 25.4mm (1") Idler Nose Rollers & standard 44-tooth sprockets.

NOTE: Any other configurations must be tested and verified by Developer.

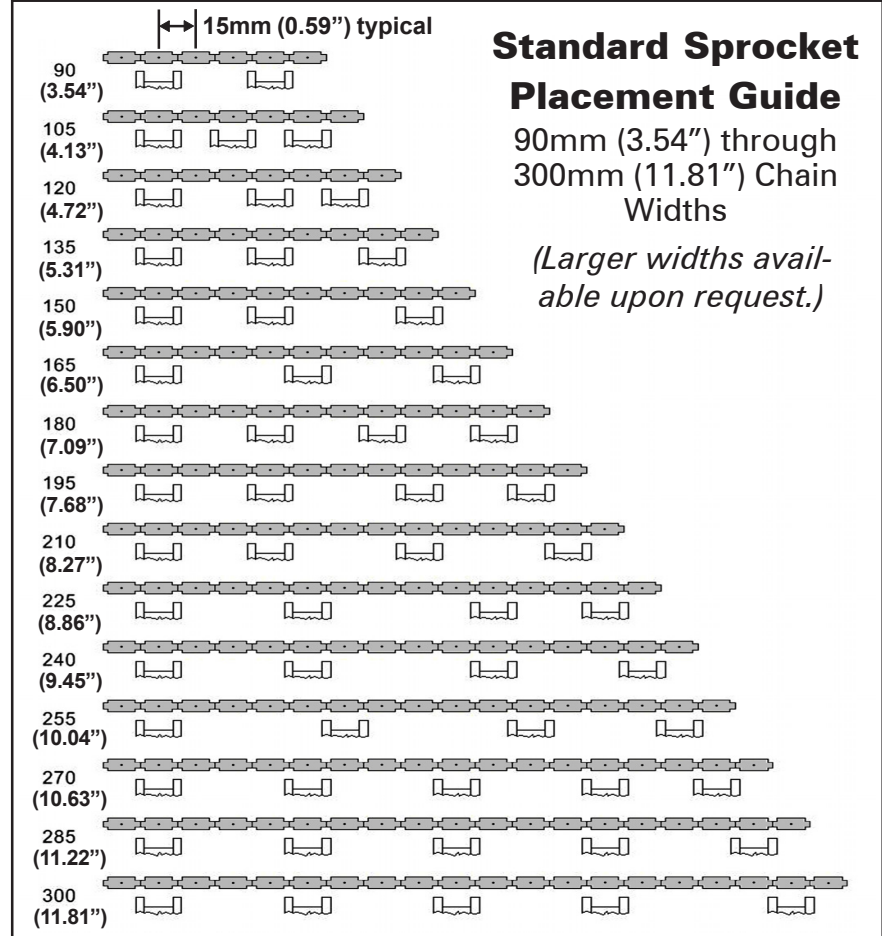
Approved Running Surfaces for MicroSpan® Chain

- UHMW-PE Bed
- Electroless Nickel Plated Aluminum
- Hard Chrome Plated Stainless Steel
- UHMW-PE Tape on rigid surface

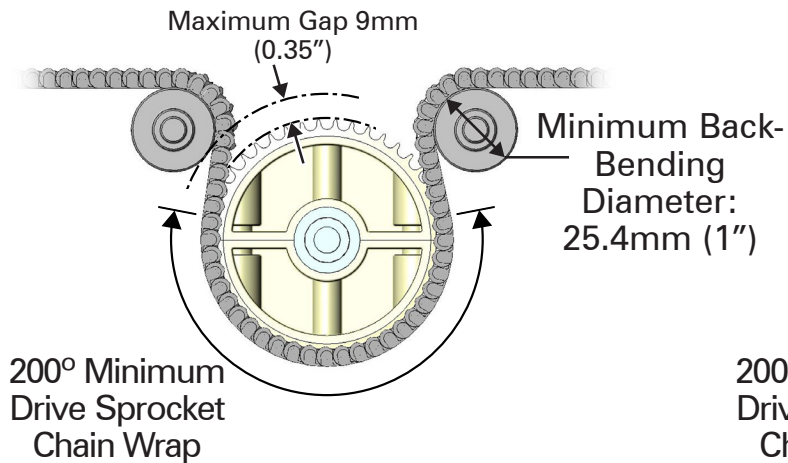
Standard Sprocket Placement Guide

90mm (3.54") through 300mm (11.81") Chain Widths

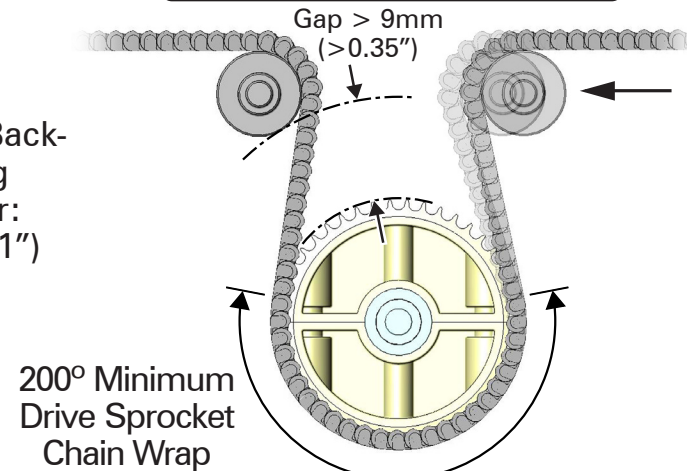
(Larger widths available upon request.)



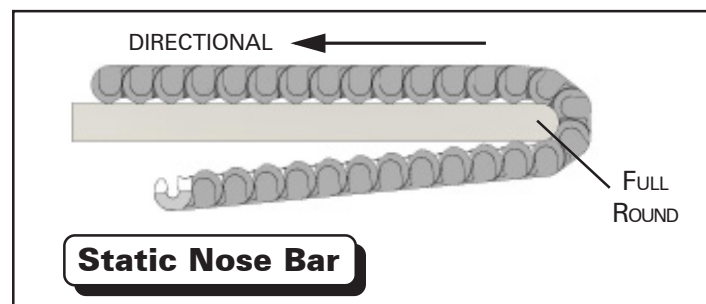
NO Live Tensioner Required



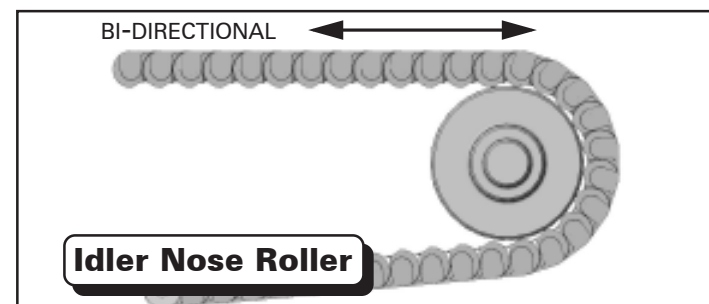
Live Tensioner REQUIRED



Nose Bar / Nose Roller Specifications



Minimum Nose Diameter: 6.0mm (0.25")
 Max. Chain Speed: 45.7 m/min (150 ft/min)



Nose Diameter: ≥ 12.7mm (0.5")
 Max. Chain Speed: 76.2 m/min (250 ft/min)

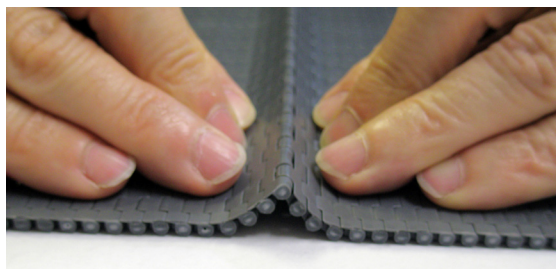
Special One-Piece Sprockets

Span Tech can provide machined one-piece sprockets for various special applications.

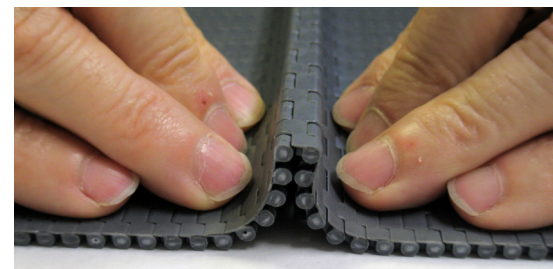


One-Piece Sprocket Specifications

No. of Teeth	Pitch Diameter	Standard Bore +0.05mm / -0.00mm (+0.002" / -0.000")
29	46.24mm (1.8206")	31.75mm (1.25")
28	44.65mm (1.7581")	31.75mm (1.25")
27	43.07mm (1.6956")	25.40mm (1.0")
26	41.48mm (1.6331")	25.40mm (1.0")
25	39.89mm (1.5706")	25.40mm (1.0")
24	38.30mm (1.5081")	25.40mm (1.0")
23	36.72mm (1.4456")	19.05mm (0.75")
22	35.13mm (1.3832")	19.05mm (0.75")
21	33.54mm (1.3207")	19.05mm (0.75")
20	31.96mm (1.2583")	19.05mm (0.75")
19	30.37mm (1.1959")	12.70mm (0.5")
18	28.79mm (1.1336")	12.70mm (0.5")
17	27.21mm (1.0712")	12.70mm (0.5")
16	25.63mm (1.0090")	12.70mm (0.5")



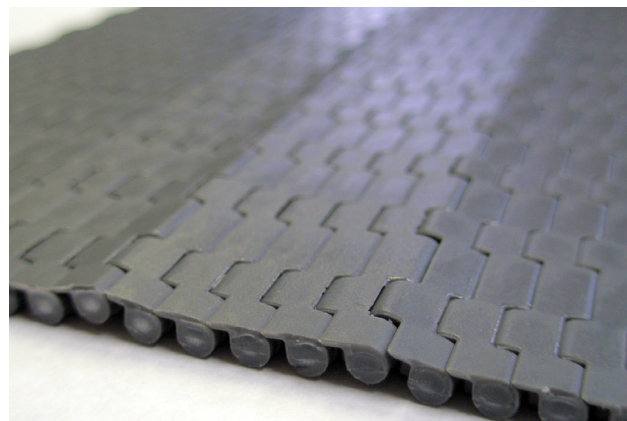
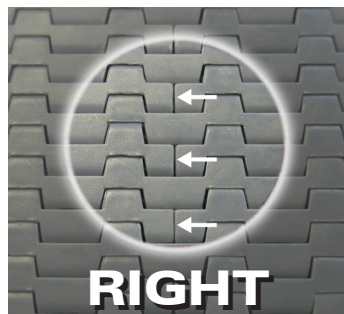
Recommended chain slack



Excessive chain slack

“Brickwork” Pattern

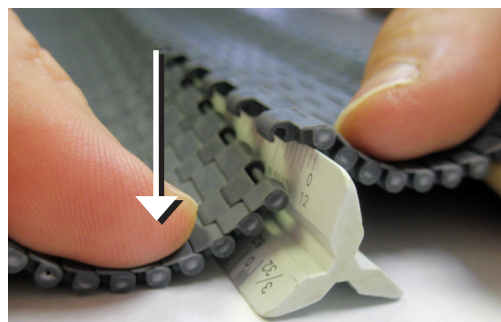
MicroSpan® chain is assembled in an alternating “brickwork” pattern. Correct (left) and Incorrect (right) examples are shown below. **NOTE:** Selected varieties of MicroSpan chain are now available in 300mm-wide links, eliminating the need for the “brickwork” assembly pattern.



Natural “tenting” with new chain. This is normal and will disappear with run-in.

Opening MicroSpan® chain

Use a standard engineer’s scale to open MicroSpan® Chain.



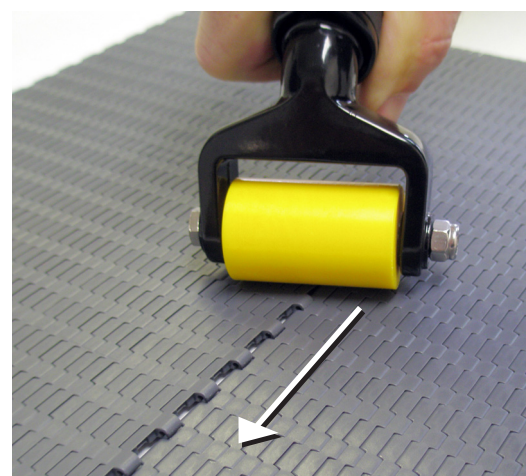
Removing links from bottom

Use a small flat screwdriver to remove excess rows of chain.



Always remove rows in pairs – see “Brickwork” Pattern illustration above.

Connecting MicroSpan® chain



Use a roller to reconnect MicroSpan® Chain.

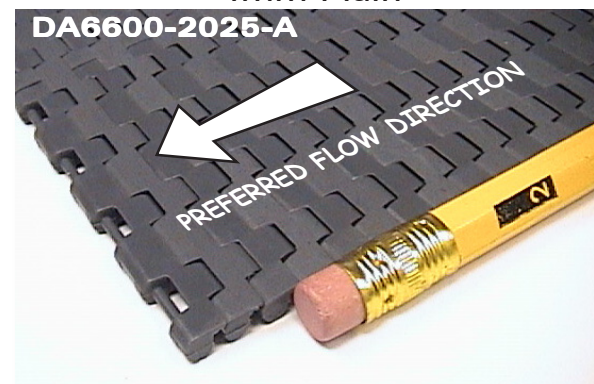


MicroSpan® Technology Reference Guide

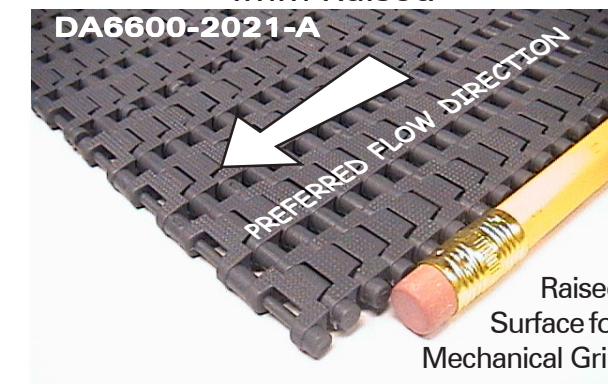
MicroSpan® Chain Options

4mm Thickness – for SMALLEST Nose Diameter

4mm Plain



4mm Raised

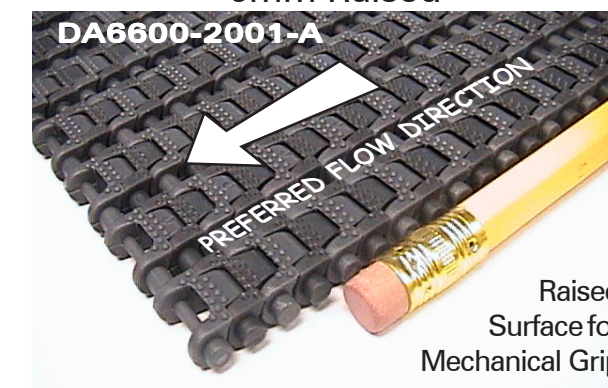


6mm Thickness – for Maximum STRENGTH

6mm Plain

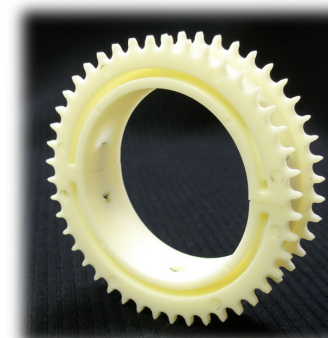


6mm Raised

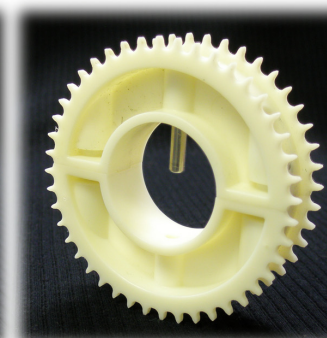


MicroSpan® chain is sold in rolls – 300mm (11.8”) wide, 15.2m (50 ft.) long

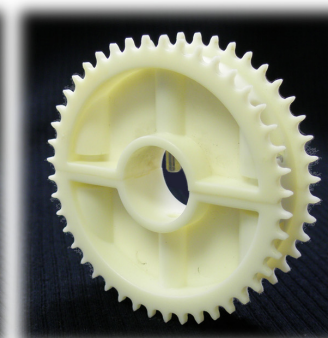
MicroSpan® Standard Sprocket Types



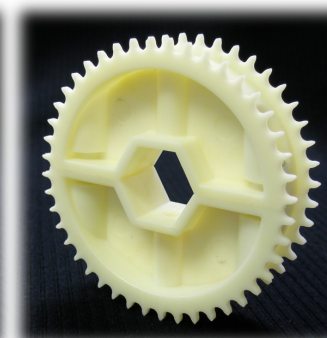
DA6600-2008-191
48.5mm Bore (1.91”)



DA6600-2008-125
31.75mm Bore (1.25”)



DA6600-2008-20mm
20mm Bore (0.79”)



DA6600-2008-HEX
Hex Bore 19.1mm (0.75”)

- 2-piece bolt-together design
- Material: natural color Nylon
- Sprocket halves are identical

- 44-tooth sprocket
- 70.08mm (2.76”) pitch diameter
- 220mm (8.66”) chain travel per revolution

SpanTech LLC

P. O. Box 369 • 1115 Cleveland Avenue • Glasgow, KY 42141
phone 270-651-9166 • fax 270-651-7533 • general_info@spantechllc.com • www.spantechllc.com