



## **COVER**

### **MAVERICK LEADERSHIP**

Custom Manufacture  
Expertise  
Certified Quality  
On-time Global Delivery

## **PRODUCTS**

Compression Springs  
Extension Springs  
Torsion Springs  
Wire Forms

[Wire Size Conversion Chart](#)

[View capabilities and  
process videos](#)

**Request a quote today!**

**800.563.7304**

**519.759.3138**

[sales@maverickspring.com](mailto:sales@maverickspring.com)

[www.maverickspring.com](http://www.maverickspring.com)

MAVERICK SPRING  
MAKERS LIMITED  
80 ROY BOULEVARD  
BRANTFORD, ONTARIO  
N3R 7K2 CANADA



MEMBER OF  
**SMI**  
Spring  
Manufacturers  
Institute



**maverick**  
spring makers limited  
compression extension torsion wireforms





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## SOLUTIONS



**Tough problems?  
Yes, Maverick can help you**

- Expert advice
- Competitive pricing
- Quick quote turnaround
- Meeting spring specifications and tolerances
- IATF 16949 and ISO 14001 quality manufacturing
- Prototyping
- Spring engineering, design, and drawings
- Matching an existing spring sample
- Quick delivery
- Spring life
- Shapes to suit



## MAVERICK LEADERSHIP



## Custom Manufacture Expertise

Whatever shape or design you need, get it made right at Maverick. Cost-effective, durable, precision springs and wire forms begin with a solid design and technical strategy. The Maverick team has unsurpassed experience in analyzing blueprints, production specifications and applications in order to recommend the **best available material, tolerances, design, finishing, and packaging**. We help you optimize your spring and wire form design in order to **minimize your costs and maximize the part's fatigue life**. Your parts are manufactured by our experienced staff – many with more than two decades of experience – in our 16,000 square foot, modernized manufacturing facility. It's no wonder that Maverick's 50+ year history of custom manufacturing has earned us many long-time customers.





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MEMBER OF



# Certified Quality

Your customers will thank you. [Maverick's IATF 16949 and ISO 14001 certified quality management system](#) enables us to provide you with **measurable and accountable quality and cost savings**. Our quality system emphasizes defect prevention, continuous improvement, and the reduction of variation and waste in the supply chain. Digital test equipment, both on the plant floor and in our quality lab, ensure **precision, accuracy and consistency** - from raw material through production to final inspection. Watch as your assembly line downtime and customer complaints decrease. Quality is so important to Maverick that in 1996, we were the first Canadian-owned spring company to achieve the original QS-9000 recognition. Your product, time, and reputation are on the line, and we protect them by delivering quality every time.



# On-Time, Global Delivery

What you need when and where you need it. Just over an hour from the Niagara Falls border and three hours from the Windsor-Detroit border, Maverick delivers **worldwide**.







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# Compression Springs



## **Wire Diameters**

0.006" (0.15 MM) AND UP

Cylindrical

Barrel

Hourglass

Conical

Variable pitch / variable rate

Closed end not ground

Closed end ground

Open end not ground

Open end ground

Right hand helix

Left hand helix



## MAVERICK FLEXIBILITY

## **Industry Experience**

AUTOMOTIVE

FOOD CATERING

STEEL TUBING

WATER TREATMENT

PERSONAL HYGIENE

COMMERCIAL

HOME PROTECTION

AERONAUTICAL

ENTERTAINMENT

OIL AND GAS

AGRICULTURAL

LABELLING AND MORE



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# Extension Springs



## **Wire Diameters**

0.010" (.25 MM) AND UP

Machine hooks  
Extended hooks  
German hooks  
English loops  
Crossover centre loops  
Shepherd hooks  
Accurate position control  
for hook angle relationship  
Right hand and left hand helix

## **Small to Large Orders**

FROM TEN PIECES TO MILLIONS,  
MAVERICK CUSTOM MANUFACTURES TO  
MEET YOUR QUANTITY REQUIREMENTS.

## **Fast Prototypes**

YOUR DEADLINES IMPACT  
YOUR BOTTOM LINE.  
WE'RE READY TO WORK  
TO MEET THEM.

## **Tight Tolerance**

SPRING INDEX AS LOW AS 3.  
DEMANDING SPECIFICATIONS MET.  
PRECISION IS CRITICAL.  
RELY ON MAVERICK, YOUR  
TIGHT TOLERANCE SPECIALIST.



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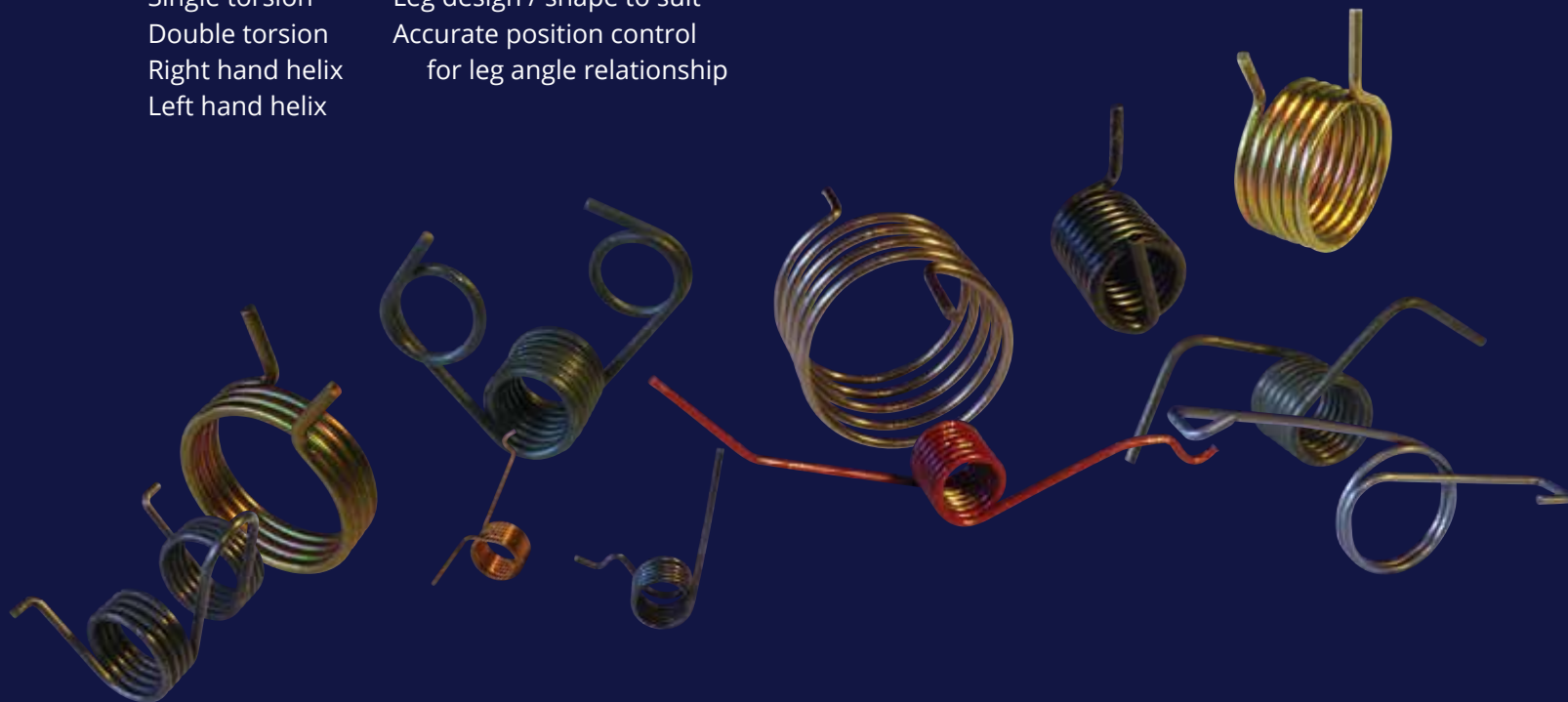
# Torsion Springs

## Wire Diameters

0.020" (0.50 MM) AND UP

Single torsion  
Double torsion  
Right hand helix  
Left hand helix

Leg design / shape to suit  
Accurate position control  
for leg angle relationship



**MAVERICK  
FLEXIBILITY**

## Materials

MUSIC WIRE  
NICKEL COATED STAINLESS STEEL TYPE 302  
STAINLESS STEEL TYPE 17-7PH AND TYPE 316  
HARD DRAWN  
OIL TEMPERED  
CHROME SILICON

CHROME VANADIUM  
PHOSPHOR BRONZE  
BERYLLIUM COPPER  
INCONEL  
MONEL AND MORE



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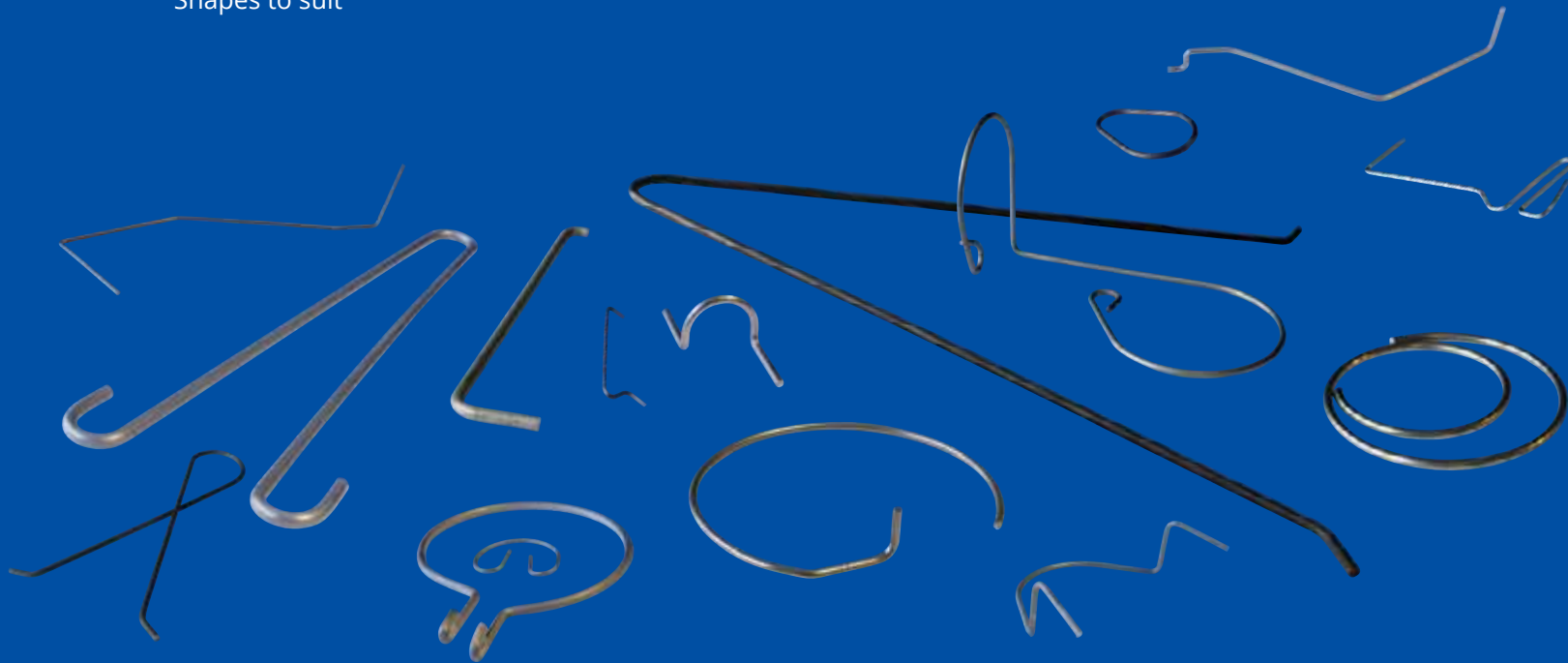
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# Wire Forms

## Wire Diameters

0.020" (0.50 MM) AND UP

Shapes to suit



## Processes

COIL  
STRESS RELIEVE  
GRIND  
SET REMOVE  
PASSIVATE  
TUMBLE  
PAINT AND MORE

## Finishes

COLOUR IDENTIFICATION  
CORROSION PROTECTION  
ZINC PLATE  
PHOS AND OIL  
CHROMATE DIP  
PASSIVATE  
SHOT PEEN AND MORE

## Packaging

RETURNABLE PACKAGING  
CUSTOMER SUPPLIED CONTAINERS/TOTES  
ASSEMBLY LINE READY ARRANGEMENTS  
SMALL QUANTITIES IN PLASTIC BAGS  
LAYER PACKING  
TACK BOARD AND MORE



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# WIRE SIZE CONVERSION CHART

## COMMON SIZES

0.006  
0.026

0.040

0.074

0.125

0.148

0.162

0.207

0.231

0.250

0.312

0.354

## INCHES

0

0.039

0.078

0.118

0.157

0.197

0.236

0.276

0.315

0.354

0.393

## MM

0

1

2

3

4

5

6

7

8

9

10

# 50



**YEARS OF EXCELLENT SERVICE**

# Maverick

**Spring Makers Limited**

*Our expert team is  
ready to work for you!*  
- Ken Young, President