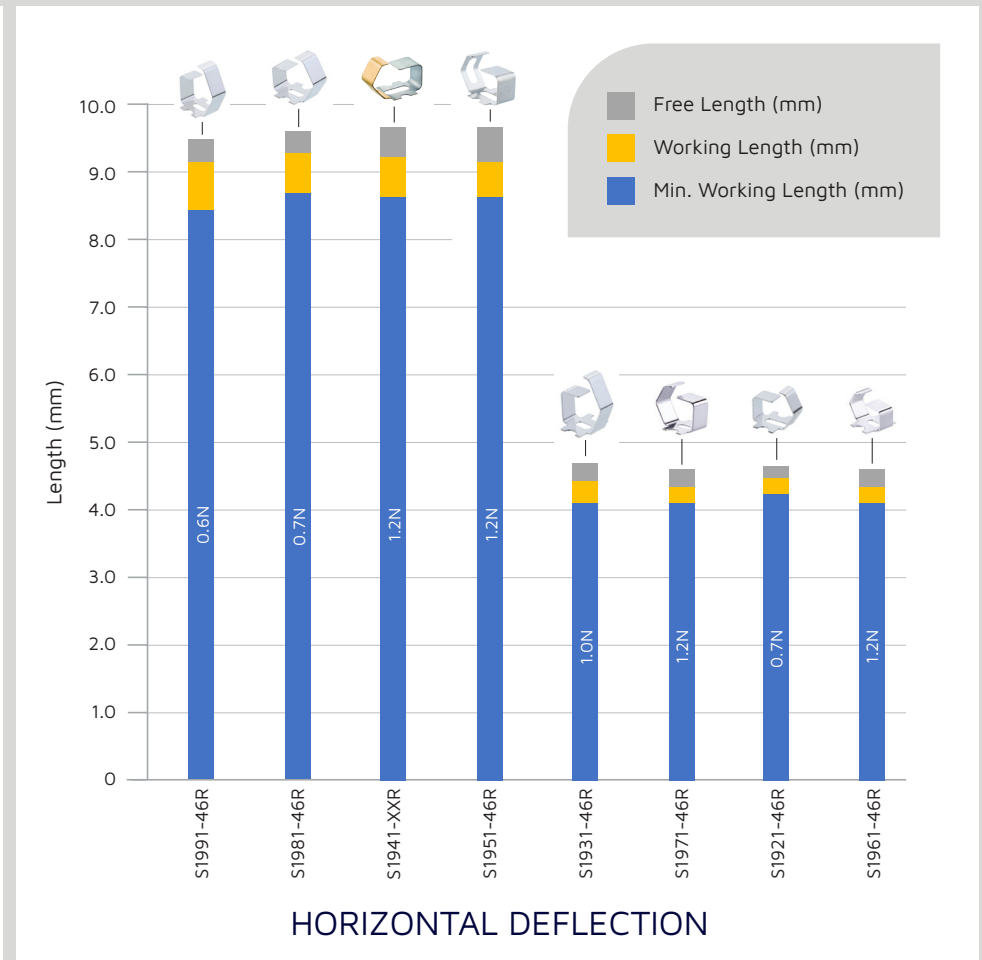
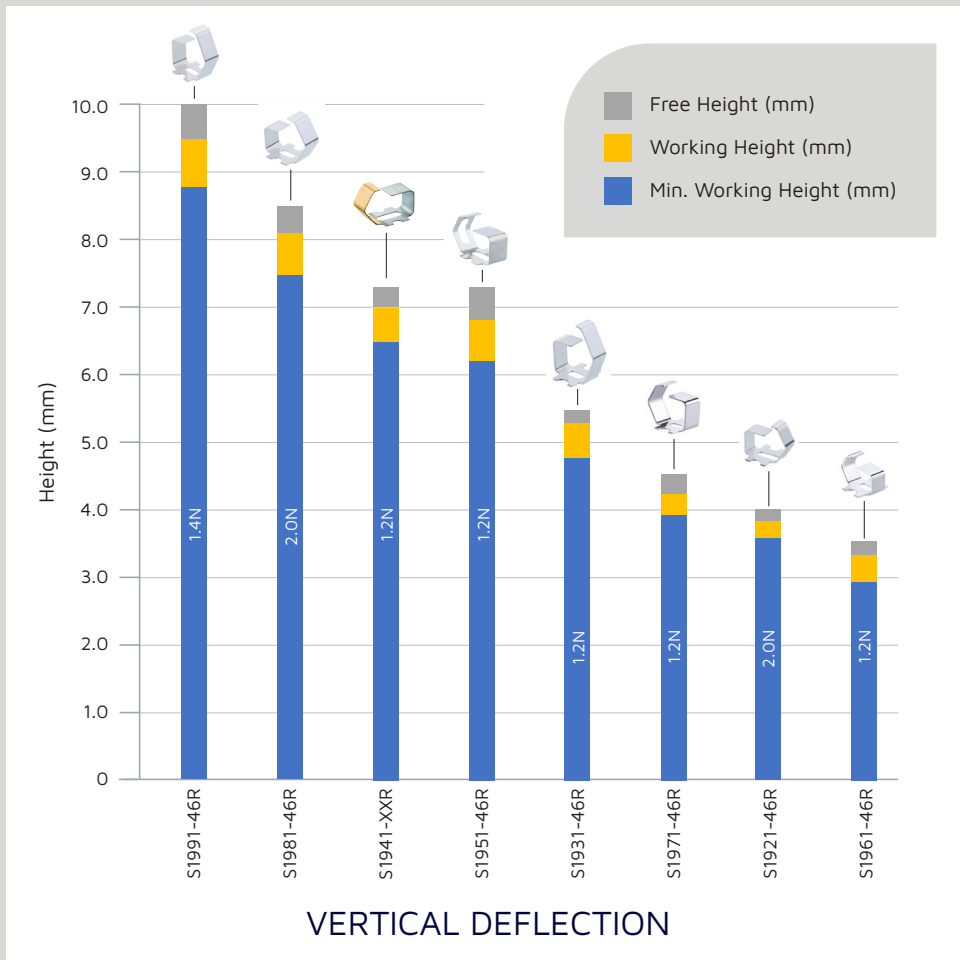


HARWIN

SPRING CONTACTS

MULTI-DIRECTIONAL CONTACTS COMPARISON



Specifications are subject to change.



MULTI-DIRECTIONAL CONTACTS COMPARISON

| PART NUMBER | FREE HEIGHT (mm) | WORKING HEIGHT MAX-MIN (mm) | SPRING FORCE (N) | FREE LENGTH (mm) | WORKING LENGTH MAX-MIN (mm) | SPRING FORCE (N) | CURRENT (MAX.) | DURABILITY (MIN. CYCLES) | FINISH | OPERATING TEMPERATURE | STYLE |
|------------------|------------------|-----------------------------|------------------|------------------|-----------------------------|------------------|----------------|--------------------------|----------|-----------------------|-------------------|
| S1991-46R | 10.00 | 9.50-8.80 | 1.40 | 9.55 | 9.15-8.45 | 0.60 | 14A | 2,500 | Tin | -55°C to +125°C | Multi-Directional |
| S1981-46R | 8.50 | 8.10-7.50 | 2.00 | 9.63 | 9.33-8.73 | 0.70 | 14A | 2,500 | Tin | -55°C to +125°C | Multi-Directional |
| S1941-42R | 7.30 | 7.00-6.50 | 1.20 | 9.65 | 9.25-8.65 | 1.20 | 9A | 5,000 | Gold/Tin | -55°C to +125°C | Multi-Directional |
| S1941-46R | | | | | | | | | Tin | | |
| S1951-46R | 7.30 | 6.80-6.20 | 1.20 | 9.65 | 9.15-8.65 | 1.20 | 7A | 5,000 | Tin | -55°C to +125°C | Multi-Directional |
| S1931-46R | 5.50 | 5.30-4.80 | 1.20 | 4.70 | 4.45-4.10 | 1.00 | 12A | 2,500 | Tin | -55°C to +125°C | Multi-Directional |
| S1971-46R | 4.55 | 4.25-3.95 | 1.20 | 4.63 | 4.33-4.13 | 1.20 | 14A | 5,000 | Tin | -40°C to +125°C | Multi-Directional |
| S1921-46R | 4.00 | 3.85-3.60 | 2.00 | 4.65 | 4.50-4.25 | 0.70 | 12A | 2,500 | Tin | -55°C to +125°C | Multi-Directional |
| S1961-46R | 3.55 | 3.35-2.95 | 1.20 | 4.63 | 4.43-4.13 | 1.20 | 14A | 3,000 | Tin | -40°C to +125°C | Multi-Directional |

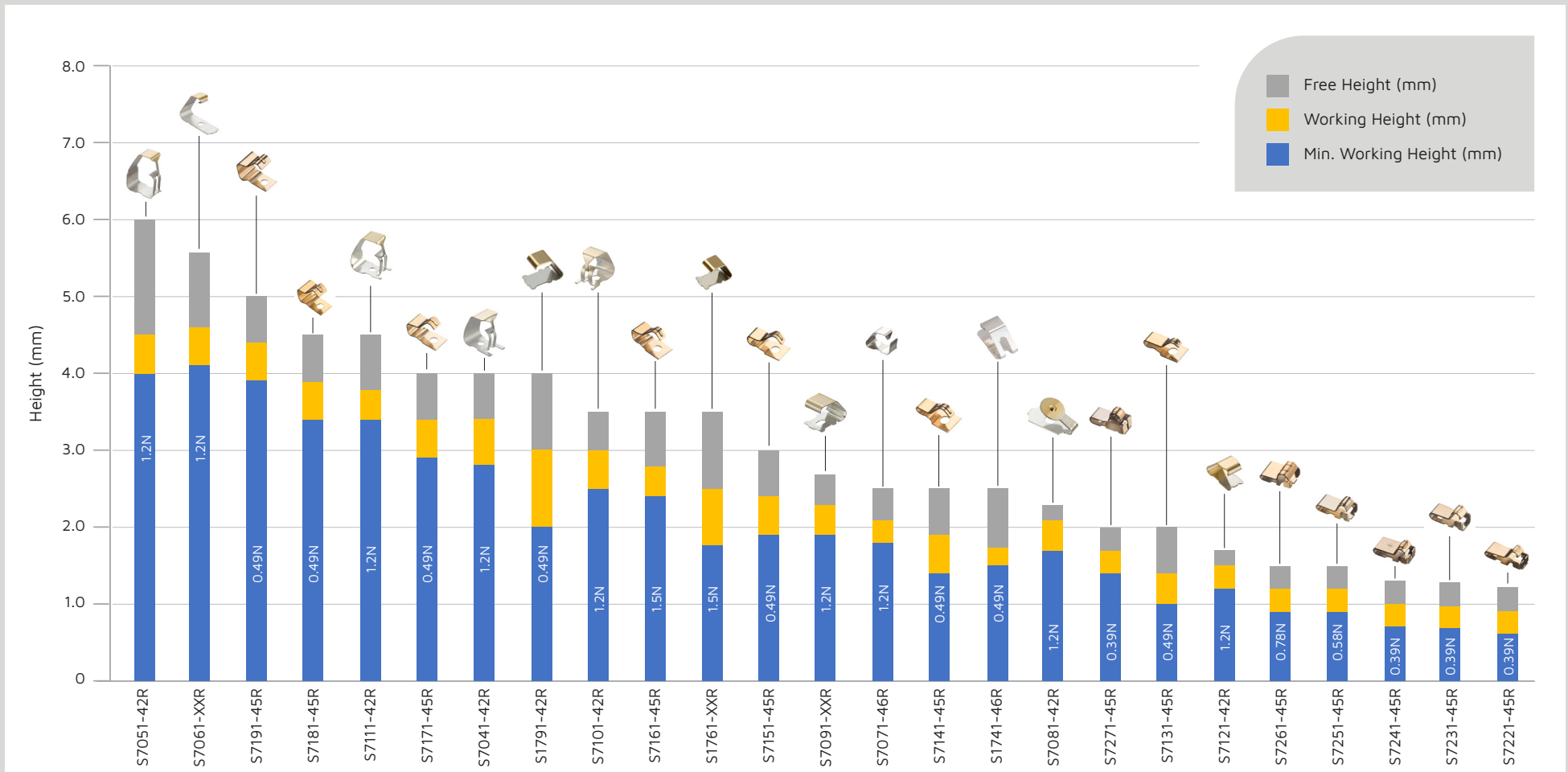
Specifications are subject to change.



HARWIN

SPRING CONTACTS

VERTICAL CONTACTS COMPARISON



Specifications are subject to change.



HARWIN

SPRING CONTACTS

VERTICAL CONTACTS COMPARISON

| PART NUMBER | FREE HEIGHT (mm) | WORKING HEIGHT (mm) | MINIMUM WORKING HEIGHT (mm) | SPRING FORCE AT WORKING HEIGHT (N) | CURRENT (MAX.) | DURABILITY (MIN. CYCLES) | FINISH | OPERATING TEMPERATURE | STYLE |
|-------------|------------------|---------------------|-----------------------------|------------------------------------|----------------|--------------------------|----------|-----------------------|------------------|
| S7051-42R | 6.00 | 4.50 | 4.00 | 1.20 | 4A | 2,500 | Gold/Tin | -55°C to +125°C | Anti-Hooking Box |
| S7061-42R | 5.60 | 4.60 | 4.10 | 1.20 | 4A | 2,500 | Gold/Tin | -55°C to +125°C | C shape |
| S7061-46R | | | | | | | Tin | | |
| S7191-45R | 5.00 | 4.40 | 3.90 | 0.49 | 1A | 10,000 | Gold | -20°C to +70°C | Extended Antenna |
| S7181-45R | 4.50 | 3.90 | 3.40 | 0.49 | 1A | 10,000 | Gold | -20°C to +70°C | Extended Antenna |
| S7111-42R | 4.50 | 3.80 | 3.40 | 1.20 | 6A | 2,000 | Gold/Tin | -55°C to +125°C | Anti-Hooking Box |
| S7171-45R | 4.00 | 3.40 | 2.90 | 0.49 | 1A | 10,000 | Gold | -20°C to +70°C | Extended Antenna |
| S7041-42R | 4.00 | 3.40 | 2.80 | 1.20 | 5A | 1,500 | Gold/Tin | -55°C to +125°C | Anti-Hooking Box |
| S1791-42R | 4.00 | 3.00 | 2.00 | 1.00 | 3A | 1,500 | Gold/Tin | -55°C to +125°C | C shape |
| S7101-42R | 3.50 | 3.00 | 2.50 | 1.20 | 3A | 2,500 | Gold/Tin | -55°C to +125°C | Anti-Hooking Box |
| S7161-45R | 3.50 | 2.80 | 2.40 | 1.50 | 1A | 10,000 | Gold | -20°C to +70°C | Extended Antenna |
| S1761-42R | 3.50 | 2.50 | 1.75 | 1.50 | 4A | 1,500 | Gold/Tin | -55°C to +125°C | C shape |
| S1761-46R | | | | | | | Tin | | |
| S7151-45R | 3.00 | 2.40 | 1.90 | 0.49 | 1A | 10,000 | Gold | -20°C to +70°C | Extended Antenna |

Specifications are subject to change.



VERTICAL CONTACTS COMPARISON

| PART NUMBER | FREE HEIGHT (mm) | WORKING HEIGHT (mm) | MINIMUM WORKING HEIGHT (mm) | SPRING FORCE AT WORKING HEIGHT (N) | CURRENT (MAX.) | DURABILITY (MIN. CYCLES) | FINISH | OPERATING TEMPERATURE | STYLE |
|-------------|------------------|---------------------|-----------------------------|------------------------------------|----------------|--------------------------|----------|-----------------------|------------------|
| S7091-42R | 2.70 | 2.30 | 1.90 | 1.20 | 6A | 2,000 | Gold/Tin | -55°C to +125°C | C shape |
| S7091-46R | | | | | | | Tin | | |
| S7071-46R | 2.50 | 2.10 | 1.80 | 1.20 | 5A | 3,500 | Tin | -55°C to +125°C | C shape |
| S7141-45R | 2.50 | 1.90 | 1.40 | 0.49 | 1A | 10,000 | Gold | -20°C to +70°C | Extended Antenna |
| S1741-46R | 2.50 | 1.75 | 1.50 | 0.49 | 6A | 5,000 | Tin | -55°C to +125°C | C shape |
| S7081-42R | 2.30 | 2.10 | 1.70 | 1.20 | 4A | 1,000 | Gold/Tin | -55°C to +125°C | Dome, C shape |
| S7271-45R | 2.00 | 1.70 | 1.40 | 0.39 | 1A | 10,000 | Gold | -40°C to +85°C | Positive Stop |
| S7131-45R | 2.00 | 1.40 | 1.00 | 0.49 | 1A | 10,000 | Gold | -20°C to +70°C | Extended Antenna |
| S7121-42R | 1.70 | 1.50 | 1.20 | 1.20 | 4A | 3,000 | Gold/Tin | -55°C to +125°C | C shape |
| S7261-45R | 1.50 | 1.20 | 0.90 | 0.78 | 1A | 10,000 | Gold | -40°C to +85°C | Positive Stop |
| S7251-45R | 1.50 | 1.20 | 0.90 | 0.58 | 1A | 10,000 | Gold | -40°C to +85°C | Positive Stop |
| S7241-45R | 1.30 | 1.00 | 0.70 | 0.39 | 1A | 10,000 | Gold | -40°C to +85°C | Positive Stop |
| S7231-45R | 1.28 | 0.98 | 0.68 | 0.39 | 1A | 10,000 | Gold | -40°C to +85°C | Positive Stop |
| S7221-45R | 1.23 | 0.90 | 0.63 | 0.39 | 1A | 10,000 | Gold | -40°C to +85°C | Positive Stop |

Specifications are subject to change.

