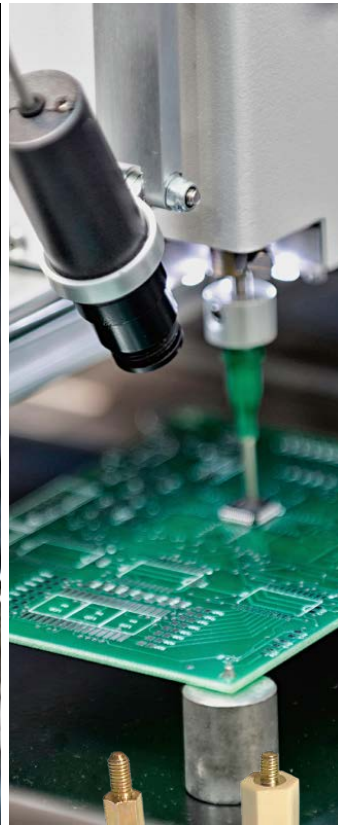
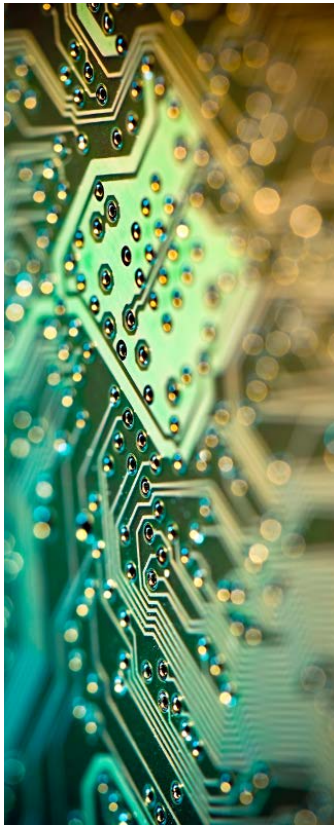


Spacers, Pillars and Stand-offs



An Altra Industrial Motion Company

Huco Dynatork

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Contents

Stand-offs

| | | |
|--------------------|----------------------|---|
| Brass | Electroplated Nickel | 5 |
| Polystyrene | Colour | 5 |
| | Service Temperature | 5 |

Spacers - Round

| | | |
|---------------|---------------------|---|
| Acetal | Colour | 5 |
| | Service Temperature | 5 |

Spacers - Hexagonal

| | | |
|-------------------|-----------------------|---|
| Mild Steel | Electro-zinc plated | 6 |
| Brass | Electro-nickel plated | 6 |
| Nylon | Glass reinforced | 6 |
| | Service Temperature | 6 |
| | Colour | 6 |

Pillars

| | | |
|---------------------|----------------------------------|----|
| Mild Steel | Electro-zinc plated | 7 |
| Brass | Electro-nickel plated | 8 |
| Nylon | Glass reinforced | 8 |
| | Service Temperature | 8 |
| Nylon | Colour | 8 |
| | Service Temperature | 8 |
| | Colour | 9 |
| Studs/Bushes | RPN/RUN - Brass self colour | 9 |
| | HMN/HEN - Brass Ni plated | 9 |
| Studs | Mild Steel - Electro-zinc plated | 10 |
| | Bushes - Brass self colour | 10 |
| | Electrical properties | 10 |

'Klip-Loc' Pillars

| | | |
|--------------|--------|----|
| Nylon | Colour | 11 |
|--------------|--------|----|

Connector Screw Locks

| | | |
|-------------------|-----------------------|----|
| Mild Steel | Electro-zinc plated | 12 |
| Brass | Electro-nickel plated | 12 |

Quality Spacers and Pillars from a Reliable Source

- Comprehensive range of products available for next day delivery by 1st class post or courier
- All products of EC origin
- Ability to source and manufacture non-standard products in a range of materials
- Quantity discounts from 300 pieces apply to standard products
- Standard pack size 100
- Stainless steel available to special order
- RoHS and REACH

Spacers, Pillars and Stand-offs

Stand-offs

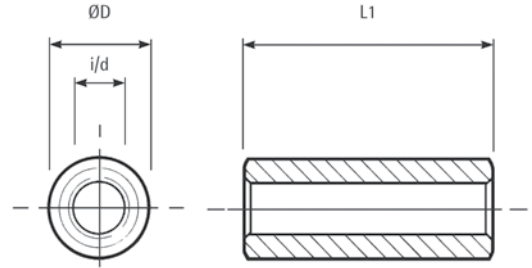
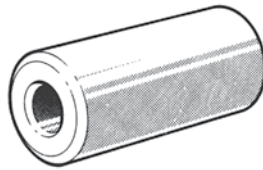
Materials and Finishes

Brass:

- Electro-nickel plated

Polystyrene:

- Colour - natural
- Service temp: -40°C to +80° C



Brass Stand-offs · Round

| Reference | i/d | ØD | L1 Standard Lengths (mm) | | | | | | | | | | | | | | | | | | | | | |
|-----------|-----|------|--------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|---|---|---|
| | | | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 10 | - | - | - | - | - | - | - | - | - | - | | | |
| RCL.2240 | 2.2 | 4.0 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 10 | - | - | - | - | - | - | - | - | - | - | | | |
| RCL.2550 | 2.5 | 5.0 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 10 | 12 | 14 | 15 | - | - | - | - | - | - | - | | | |
| RCL.3260 | 3.2 | 6.0 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 10 | 12 | 14 | 15 | 18 | 20 | 25 | 30 | 35 | 40 | - | - | - | - |
| RCL.4380 | 4.3 | 8.0 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 10 | 12 | 14 | 15 | 18 | 20 | 25 | 30 | 35 | 40 | - | - | - | - |
| RCL.5310 | 5.3 | 10.0 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 10 | 12 | 14 | 15 | 18 | 20 | 25 | 30 | 35 | 40 | - | - | - | - |

Polystyrene Stand-offs · Round

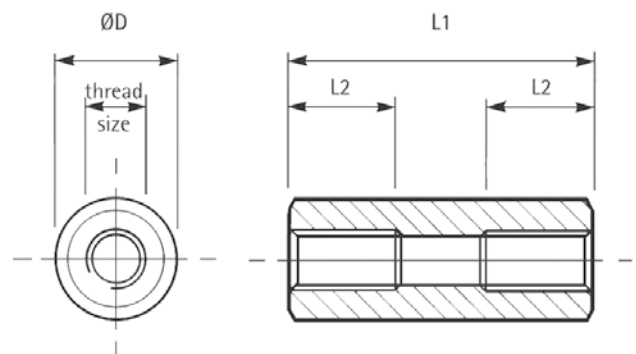
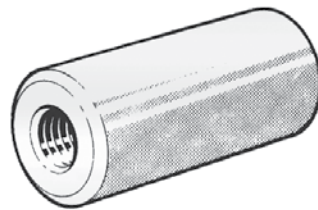
| Reference | i/d | ØD | L1 Standard Lengths (mm) | | | | | | | | | | | | | | | | | | | | | |
|-----------|-----|------|--------------------------|----|----|----|----|----|---|----|----|----|---|----|----|----|----|----|---|---|---|---|---|---|
| | | | - | 02 | 03 | 04 | 05 | 06 | - | 08 | 10 | 12 | - | 15 | 18 | 20 | - | - | - | - | - | - | | |
| RCP.2240 | 2.2 | 4.0 | - | 02 | 03 | 04 | 05 | 06 | - | 08 | 10 | 12 | - | 15 | 18 | 20 | - | - | - | - | - | - | - | - |
| RCP.3560 | 3.5 | 6.0 | - | 02 | 03 | 04 | 05 | 06 | - | 08 | 10 | 12 | - | 15 | 18 | 20 | 25 | 30 | - | - | - | - | - | - |
| RCP.4380 | 4.3 | 8.0 | - | 02 | 03 | 04 | 05 | 06 | - | 08 | 10 | 12 | - | 15 | 18 | 20 | 25 | 30 | - | - | - | - | - | - |
| RCP.5310 | 5.3 | 10.0 | - | 02 | 03 | 04 | 05 | 06 | - | 08 | 10 | 12 | - | 15 | 18 | 20 | 25 | - | - | - | - | - | - | - |

Spacers - Round

Materials and Finishes

Acetal:

- Colour - natural
- Service temp: -40°C to +80° C



Acetal Spacers · Round

| Reference | Thread | ØD | L1 Standard Lengths (mm) | | | | | | | | | | | | | | | | | | | | | | |
|-----------|--------|----|--------------------------|--|--|--|--|-----------------------|----|----|----|----|------------|----|----|----|----|-------------|----|----|----|----|---|---|---|
| | | | | | | | | 05 | 08 | 10 | 12 | 15 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 50 | 60 | - | - | - | |
| RTA.3060 | M3 | 06 | | | | | | | 05 | 08 | 10 | 12 | 15 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 50 | 60 | - | - | - |
| RTA.4080 | M4 | 08 | | | | | | | 05 | 08 | 10 | 12 | 15 | 18 | - | 20 | 25 | 30 | 35 | 40 | 50 | 60 | - | - | - |
| | | | L2 | | | | | TAPPED THROUGH | | | | | 8mm | | | | | 10mm | | | | | | | |

Spacers, Pillars and Stand-offs

Pillars

Materials and Finishes

Mild Steel:

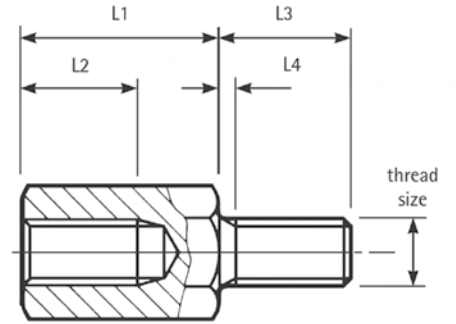
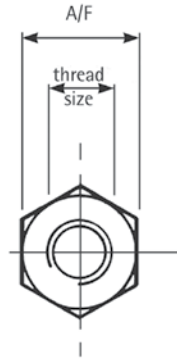
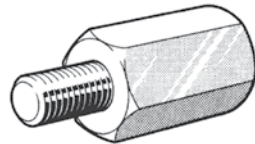
- Electro-zinc plated

Brass:

- Electro-nickel plated

Nylon:

- Glass reinforced
- Max Service Temp: 110° C
- Colour - Black



Mild Steel Pillars

| Reference | Thread | A/F | L4 | L1 Standard Lengths (mm) | | | | | | | | | | | | | | | | | | | | | |
|-----------|--------|-----|-----|--------------------------|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|---|---|
| HSA.3050 | M3 | 5.0 | 1.0 | - | - | 05 | 06 | 08 | 10 | 12 | 15 | 16 | 18 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 60 | - | - | - | - |
| HSA.4070 | M4 | 7.0 | 1.4 | - | - | - | - | 08 | 10 | 12 | 15 | 16 | 18 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 60 | - | - | - | - |
| HSA.5080 | M5 | 8.0 | 1.6 | - | - | - | - | - | 10 | 12 | 15 | 16 | 18 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 65 | 70 | - | - | - |
| | | | | L2 | - | 03 | 03 | 04 | 06 | 08 | 08 | 08 | 08 | 08 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | - | - | - |
| | | | | L3 | - | 08 | 08 | 08 | 08 | 08 | 08 | 08 | 08 | 08 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | - | - | - |

| Reference | Thread | A/F | L4 | L1 Standard Lengths (mm) | | | | | | | | | | | | | | | | | | | | | |
|-----------|--------|------|-----|--------------------------|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|---|---|
| HSA.6010 | M6 | 10.0 | 2.0 | - | - | - | - | 10 | 12 | 15 | 18 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 60 | 70 | 80 | 90 | - | - | - |
| | | | | L2 | - | - | - | 06 | 08 | 08 | 12 | 12 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | - | - | - |
| | | | | L3 | - | - | - | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | - | - | - |

| Reference | Thread | A/F | L4 | L1 Standard Lengths (mm) | | | | | | | | | | | | | | | | | | | | | |
|-----------|--------|------|-----|--------------------------|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|
| HSA.8013 | M8 | 13.0 | 2.5 | - | - | - | - | - | - | 15 | 18 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 45 | 60 | 70 | 80 | 90 | 100 | 120 |
| | | | | L2 | - | - | - | - | - | 08 | 12 | 12 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| | | | | L3 | - | - | - | - | - | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |

Spacers, Pillars and Stand-offs

Brass Pillars

| Reference | Thread | A/F | L4 | L1 Standard Lengths (mm) | | | | | | | | | | | | | | | | | | | | | |
|-----------|--------|-----|-----------|--------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---|---|---|---|---|---|---|---|
| HSL.2040 | M2 | 4.0 | 0.8 | - | - | 05 | 06 | 08 | 10 | 11 | 12 | 14 | 16 | 18 | 20 | 25 | 30 | - | - | - | - | - | - | - | - |
| HSL.2550 | M2.5 | 5.0 | 0.9 | - | - | 05 | 06 | 08 | 10 | 11 | 12 | 14 | 16 | 18 | 20 | 25 | 30 | - | - | - | - | - | - | - | - |
| | | | L2 | - | 03 | 03 | 04 | 06 | 06 | 06 | 06 | 06 | 06 | 06 | 06 | 06 | 06 | - | - | - | - | - | - | - | - |
| | | | L3 | - | 06 | 06 | 06 | 06 | 06 | 06 | 06 | 06 | 06 | 06 | 06 | 06 | 06 | - | - | - | - | - | - | - | - |

| Reference | Thread | A/F | L4 | L1 Standard Lengths (mm) | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|--------|-----|-----------|--------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|--|
| HSL.3050 | M3 | 5.0 | 1.0 | - | - | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 14 | 15 | 16 | 18 | 20 | 25 | 30 | 35 | 40 | 50 | 60 | - | | |
| HSL.4070 | M4 | 7.0 | 1.4 | - | - | - | - | - | 08 | 09 | 10 | 11 | 12 | 14 | 15 | 16 | 18 | 20 | 25 | 30 | 35 | 40 | 50 | 60 | - | | |
| HSL.5080 | M5 | 8.0 | 1.6 | - | - | - | - | - | - | - | 10 | 11 | 12 | 14 | 15 | 16 | 18 | 20 | 25 | 30 | 35 | 40 | 50 | 60 | - | | |
| | | | L2 | - | 03 | 03 | 06 | 08 | 08 | 08 | 08 | 08 | 08 | 08 | 08 | 08 | 08 | 08 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | | |
| | | | L3 | - | 08 | 08 | 08 | 08 | 08 | 08 | 08 | 08 | 08 | 08 | 08 | 08 | 08 | 08 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | | |

Nylon Pillars

| Reference | Thread | A/F | L1 Standard Lengths (mm) | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|--------|------|--------------------------|---|---|---|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---|---|---|---|---|---|---|--|
| HSN.3060 | M3 | 6.0 | - | - | - | - | - | 10 | 12 | 15 | 18 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | - | - | - | - | - | - | - | |
| HSN.4080 | M4 | 8.0 | - | - | - | - | - | 10 | 12 | 15 | 18 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | - | - | - | - | - | - | - | |
| HSN.5010 | M5 | 10.0 | - | - | - | - | - | 10 | 12 | 15 | 18 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | - | - | - | - | - | - | - | |
| | | | L2 | - | - | - | - | 07 | 09 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | - | - | - | - | - | - | - | |
| | | | L3 | - | - | - | - | 08 | 08 | 08 | 08 | 08 | 08 | 08 | 08 | 08 | 08 | 08 | - | - | - | - | - | - | - | |

Spacers, Pillars and Stand-offs

Pillars

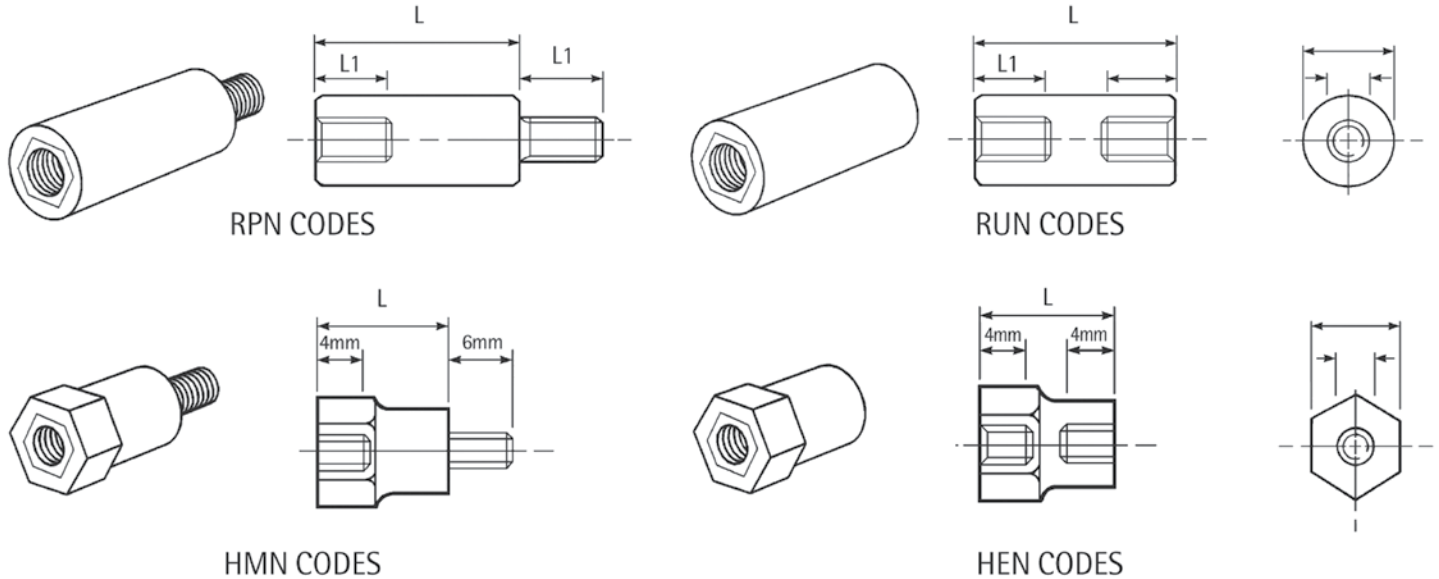
Materials and Finishes

Nylon:

- Max Service Temp: 85° C
- Colour - White

Studs/Bushes:

- RPN/RUN - Brass self-colour
- HMN/HEN - Brass Ni plated



Nylon Spacers Pillar · Round

| Reference | Thread | ØD | L1 | L1 Standard Lengths (mm) | | | | | | | |
|-----------|--------|------|------|--------------------------|----|----|----|----|----|----|----|
| RUN.3080 | M3 | 8.0 | 6.0 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 |
| RUN.4080 | M4 | 8.0 | 6.0 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 |
| RUN.5090 | M5 | 9.5 | 10.0 | - | - | 25 | 30 | 35 | 40 | 45 | 50 |
| RUN.6012 | M6 | 12.7 | 12.7 | - | - | 25 | 30 | 35 | 40 | 45 | 50 |

| Reference | Thread | ØD | L1 | L1 Standard Lengths (mm) | | | | | | | |
|-----------|--------|------|------|--------------------------|----|----|----|----|----|----|----|
| RPN.3080 | M3 | 8.0 | 6.0 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 |
| RPN.4080 | M4 | 8.0 | 6.0 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 |
| RPN.5090 | M5 | 9.5 | 10.0 | - | - | 25 | 30 | 35 | 40 | 45 | 50 |
| RPN.6012 | M6 | 12.7 | 12.7 | - | - | 25 | 30 | 35 | 40 | 45 | 50 |

Nylon Micro-Pillars · Hexagonal

| Reference | Thread | AF | L1 Standard Lengths (mm) | | | | | |
|-----------|--------|-----|--------------------------|----|----|----|----|----|
| HEN.2560 | M2.5 | 6.0 | 07 | 08 | 09 | 10 | 11 | 12 |
| HEN.3070 | M3 | 7.0 | - | - | 09 | 10 | 11 | 12 |

| Reference | Thread | AF | L1 Standard Lengths (mm) | | | | | |
|-----------|--------|----|--------------------------|---|----|----|----|----|
| HMN.2560 | M2.5 | - | - | - | 09 | 10 | 11 | 12 |
| HMN.3070 | M3 | - | - | - | 09 | 10 | 11 | 12 |

Spacers, Pillars and Stand-offs

Pillars

A quality range of insulating pillars in BP5400 High Heat / Super Impact Premium polystyrene, light grey in colour, ranging from 10mm to 120mm in length.

Materials and Finishes

Studs:

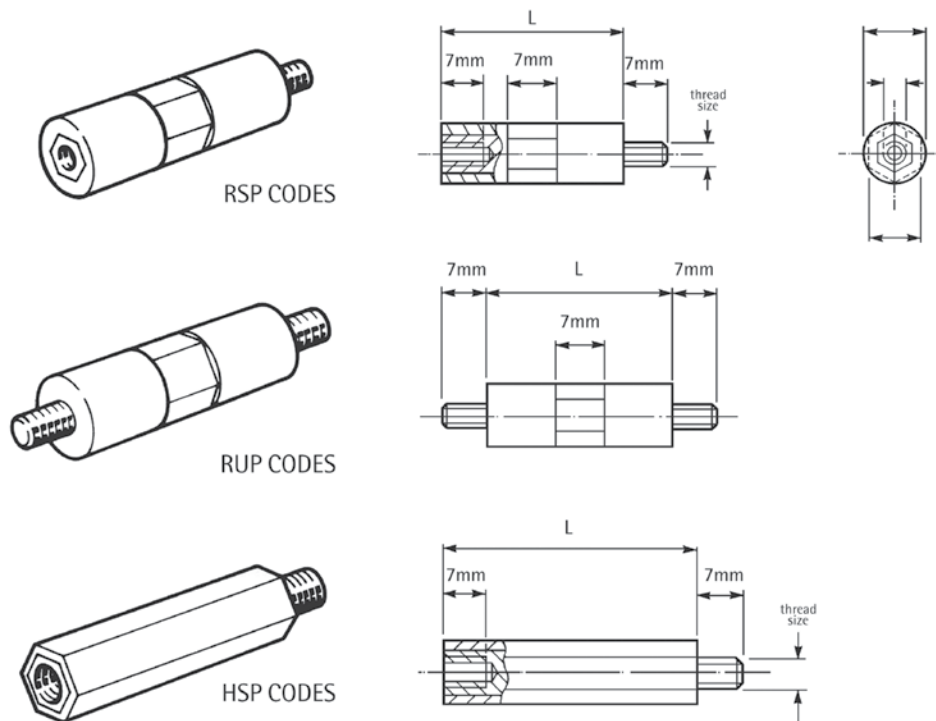
- Mild steel: Electro-zinc plated
- Colour - White

Bushes:

- Brass self-colour

Electrical Properties:

- Dissipation factor: IEC 250 4.10-4
- Insulation resistance: 10-13m.ohm
- Dielectric constant: IEC 250.25
- Dielectric strength: DIN 5348-1150 kV/mm
- Max service temp: 70°C



Polystyrene Pillars

| Reference | Thread | ØD | A/F | L1 Standard Lengths (mm) | | | | | | | | | | | | | | | | | | | | | |
|-----------|--------|------|------|--------------------------|---|---|---|----|----|----|----|----|----|----|----|----|----|---|----|----|---|---|---|-----|---|
| | | | | - | - | - | - | 15 | 20 | 25 | 30 | 40 | - | 55 | - | - | - | - | - | - | - | - | | | |
| RSP.3070 | M3 | 7.0 | 6.0 | - | - | - | - | - | 15 | 20 | 25 | 30 | 40 | - | 55 | - | - | - | - | - | - | - | - | - | |
| RSP.4010 | M4 | 10.0 | 9.0 | - | - | - | - | 10 | 15 | 20 | 25 | 30 | 40 | - | 55 | 60 | - | - | - | 90 | - | - | - | - | |
| RUP.3070 | M3 | 7.0 | 6.0 | - | - | - | - | - | 15 | 20 | 25 | 30 | 40 | - | 55 | - | - | - | - | - | - | - | - | - | |
| HSP.5013 | M5 | - | 13.0 | - | - | - | - | - | 15 | 20 | - | 30 | - | - | 55 | - | 70 | - | 85 | - | - | - | - | - | |
| HSP.6013 | M6 | - | 13.0 | - | - | - | - | - | 15 | 20 | - | 30 | - | 45 | - | - | 70 | - | - | - | - | - | - | 120 | - |

'Klip-Loc' Pillars

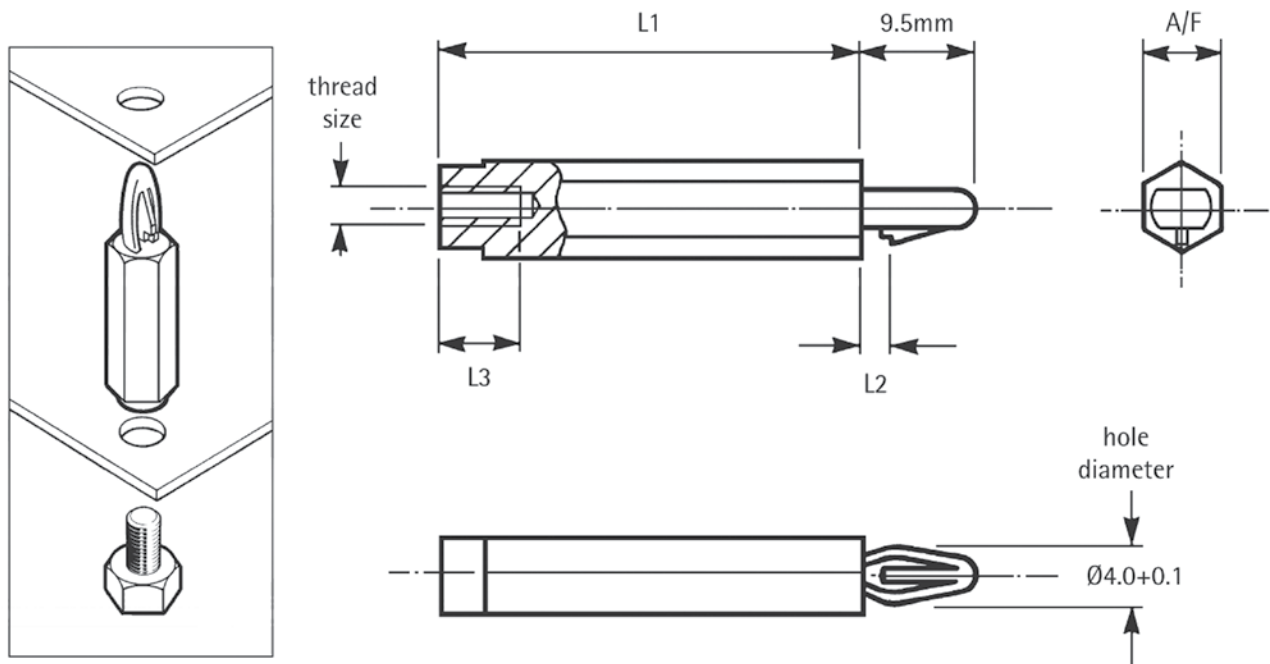
A range of screw mounted printed circuit board support pillars with Klip-Loc feature, allowing boards to be easily attached and removed.

Materials and Finishes

Nylon

- Colour - Black

Other lengths available to order, subject to minimum order quantities.



Klip-Loc Pillars

| Reference | Thread | A/F | L2 | L1 Standard Lengths (mm) | | | | | | | | | | | | | | | | | | | |
|-----------|--------|-----|-----|--------------------------|---|---|---|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|---|---|---|---|
| | | | | - | - | - | - | 06 | 08 | 10 | 12 | 15 | 18 | 20 | 25 | 30 | 35 | 40 | 50 | - | - | - | - |
| HKN.3060 | M3 | 6.0 | 2.1 | - | - | - | - | 06 | 08 | 10 | 12 | 15 | 18 | 20 | 25 | 30 | 35 | 40 | 50 | - | - | - | - |
| HKN.3080 | M3 | 8.0 | 1.8 | - | - | - | - | 06 | 08 | 10 | 12 | 15 | 18 | 20 | 25 | 30 | 35 | 40 | 50 | - | - | - | - |
| HKN.4080 | M4 | 8.0 | 1.8 | - | - | - | - | 06 | 08 | 10 | 12 | 15 | 18 | 20 | 25 | 30 | 35 | 40 | 50 | - | - | - | - |
| | | | L3 | - | - | - | - | 3.0 | 4.0 | 5.0 | 6.0 | 7.5 | 9.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | - | - | - | - |

Spacers, Pillars and Stand-offs

Connector Screw Locks

Any combination of M3 and 4NC can be specified for stud and tapped hole threads.

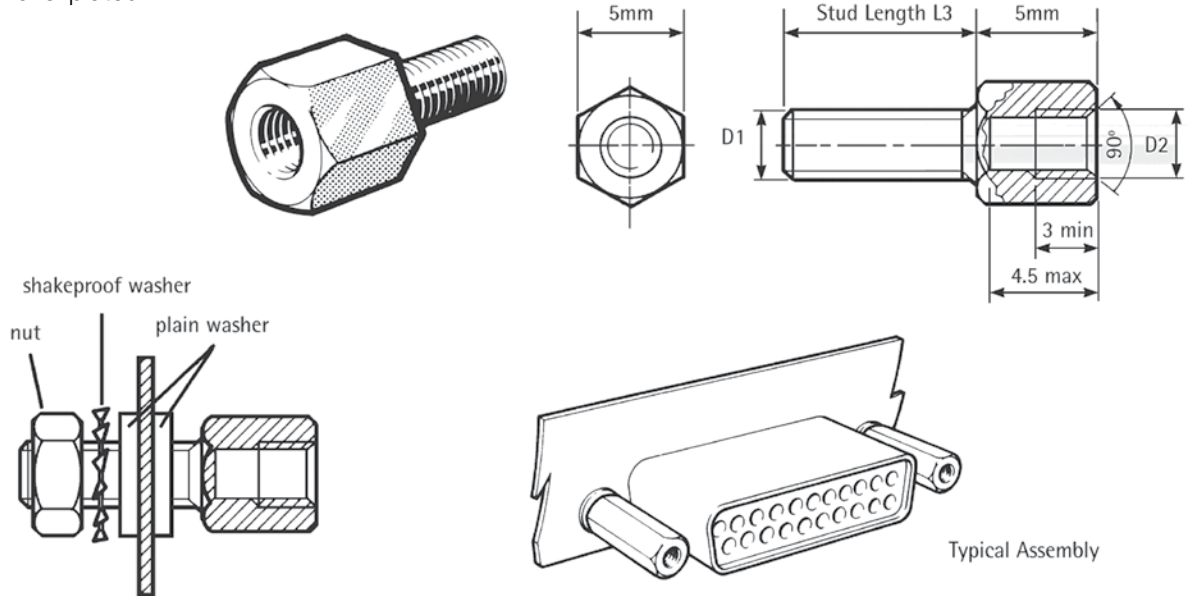
Materials and Finishes

Mild Steel

- Electro-zinc plated

Brass

- Electro-nickel plated



*Nuts and washers not supplied.

Brass · Nickel Plated Connector Screw Locks

| Stud Thread D1 | Internal Thread D2 | Stud Length L3mm | Order Code | Stud Length L3mm | Order Code | Stud Length L3mm | Order Code |
|-------------------|-----------------------|---------------------|----------------|---------------------|----------------|---------------------|----------------|
| M3 | M3 | 6 | HSL.06.M3.M3 | 8 | HSL.08.M3.M3 | 12 | HSL.12.M3.M3 |
| 4NC | M3 | 6 | HSL.06.4NC.M3 | 8 | HSL.08.4NC.M3 | 12 | HSL.12.4NC.M3 |
| M3 | 4NC | 6 | HSL.06.M3.4NC | 8 | HSL.08.M3.4NC | 12 | HSL.12.M3.4NC |
| 4NC | 4NC | 6 | HSL.06.4NC.4NC | 8 | HSL.08.4NC.4NC | 12 | HSL.12.4NC.4NC |

Steel · Zinc Plated Connector Screw Locks

| Stud thread D1 | Internal Thread D2 | Stud Length L3mm | Order Code | Stud Length L3mm | Order Code | Stud Length L3mm | Order Code |
|-------------------|-----------------------|---------------------|----------------|---------------------|----------------|---------------------|----------------|
| M3 | M3 | 6 | HSA.06.M3.M3 | 8 | HSA.08.M3.M3 | 12 | HSA.12.M3.M3 |
| 4NC | M3 | 6 | HSA.06.4NC.M3 | 8 | HSA.08.4NC.M3 | 12 | HSA.12.4NC.M3 |
| M3 | 4NC | 6 | HSA.06.M3.4NC | 8 | HSA.08.M3.4NC | 12 | HSA.12.M3.4NC |
| 4NC | 4NC | 6 | HSA.06.4NC.4NC | 8 | HSA.08.4NC.4NC | 12 | HSA.12.4NC.4NC |

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Boksburg, South Africa
+27(0) 11 918 4270

Guardian Couplings

Engineered Flywheel Couplings, Engine Housings and Pump Mounts, Flexible Shaft Couplings
Michigan City, IN - USA
1-219-874-5248

Huco Dynatork

Precision Couplings and Air Motors
Hertford, England
+44 (0) 1992 501900
Chambersburg, PA - USA
1-888-829-6637

Couplings Cont.

Lamiflex Couplings

Flexible Couplings, Bearing Isolators, and Coupling Guards
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+55 (11) 4615-6300

TB Wood's

Elastomeric Couplings
Chambersburg, PA - USA
1-888-829-6637 – Press #5
For application assistance:
1-888-829-6637 – Press #7
General Purpose Disc Couplings
San Marcos, TX - USA
1-888-449-9439

Electromagnetic Clutches and Brakes

Inertia Dynamics

Spring Set Brakes; Power On and Wrap Spring Clutch/Brakes
New Hartford, CT - USA
1-800-800-6445

Matrix International

Electromagnetic Clutches and Brakes, Pressure Operated Clutches and Brakes
Brechin, Scotland
+44 (0) 1356 602000
New Hartford, CT - USA
1-800-825-6544

Warner Electric

Electromagnetic Clutches and Brakes
New Hartford, CT - USA
1-800-825-6544
For application assistance:
1-800-825-9050
Saint Barthélemy d'Anjou, France
+33 (0)2 41 21 24 24
Precision Electric Coils and Electromagnetic Clutches and Brakes
Columbia City, IN - USA
1-260-244-6183

Engineered Bearing Assemblies

Kilian Manufacturing

Engineered Bearing Assemblies
Syracuse, NY - USA
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Gearing

Bauer Gear Motor

Geared Motors
Esslingen, Germany
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Boston Gear

Enclosed and Open Gearing, Electrical and Mechanical P.T. Components
Charlotte, NC - USA
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For application assistance:
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Nuttall Gear and Delroyd Worm Gear

Worm Gear and Helical Speed Reducers
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Heavy Duty Clutches and Brakes

Industrial Clutch

Pneumatic and Oil Immersed Clutches and Brakes
Waukesha, WI - USA
1-262-547-3357

Svendborg Brakes

Industrial Brakes and Brake Systems
Vejstrup, Denmark
+45 63 255 255

Twiflex Limited

Caliper Brakes and Thrusters
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1-844-723-3483
Twickenham, England
+44 (0) 20 8894 1161

Heavy Duty Clutches and Brakes Cont.

Wichita Clutch

Pneumatic Clutches and Brakes
Wichita Falls, TX - USA
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Bedford, England
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Linear Products

Warner Linear

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1-800-825-6544
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Saint Barthélemy d'Anjou, France
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Overrunning Clutches

Formsprag Clutch

Overrunning Clutches and Holdbacks
Warren, MI - USA
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For application assistance:
1-800-348-0881 – Press #2

Marland Clutch

Roller Ramp and Sprag Type Overrunning Clutches and Backstops
South Beloit, IL - USA
1-800-216-3515

Stieber Clutch

Overrunning Clutches and Holdbacks
Heidelberg, Germany
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