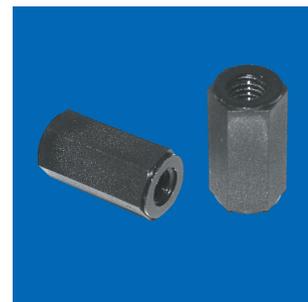


## Abstandsbolzen Typ A Innen- / Innengewinde

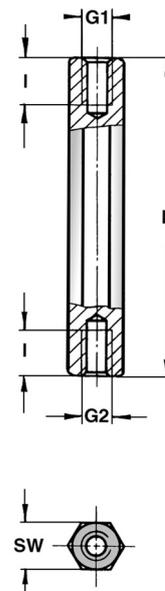
Für die isolierte Montage von Bauteilen

- Material:**
  - Gruppe 5.30....** Polyamid 6.0 GV 25%, schwarz, temperaturbeständig bis ca. +110°C, Brennbarkeitsklasse UL 94 HB
  - Gruppe 5.31....** Polyamid 6.6 GV 25%, rostbraun, temperaturbeständig bis ca. +130°C, Brennbarkeitsklasse UL 94 V-0 (Yellow Card E 41871 M)



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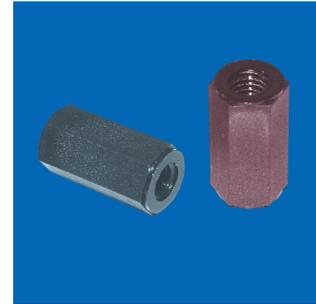
| Gewinde |     | Abmessungen in mm |      |      | Bestell-Nr.     |
|---------|-----|-------------------|------|------|-----------------|
| G 1     | G 2 | SW                | L    | I    | schwarz         |
| M2      | M2  | 5                 | 5,0  | 5,0  | <b>5.30.105</b> |
| M2      | M2  | 5                 | 6,0  | 6,0  | <b>5.30.106</b> |
| M2      | M2  | 5                 | 7,0  | 7,0  | <b>5.30.107</b> |
| M2      | M2  | 5                 | 8,0  | 8,0  | <b>5.30.108</b> |
| M2      | M2  | 5                 | 9,0  | 9,0  | <b>5.30.109</b> |
| M2      | M2  | 5                 | 10,0 | 10,0 | <b>5.30.110</b> |
| M2      | M2  | 5                 | 11,0 | 11,0 | <b>5.30.111</b> |
| M2      | M2  | 5                 | 12,0 | 12,0 | <b>5.30.112</b> |
| M2      | M2  | 5                 | 13,0 | 13,0 | <b>5.30.113</b> |
| M2      | M2  | 5                 | 14,0 | 14,0 | <b>5.30.114</b> |
| M2      | M2  | 5                 | 15,0 | 7,0  | <b>5.30.115</b> |
| M2      | M2  | 5                 | 16,0 | 7,5  | <b>5.30.116</b> |
| M2      | M2  | 5                 | 17,0 | 8,0  | <b>5.30.117</b> |
| M2      | M2  | 5                 | 18,0 | 8,5  | <b>5.30.118</b> |
| M2      | M2  | 5                 | 19,0 | 9,0  | <b>5.30.119</b> |
| M2      | M2  | 5                 | 20,0 | 9,5  | <b>5.30.120</b> |
| M2      | M2  | 5                 | 21,0 | 10,0 | <b>5.30.121</b> |
| M2      | M2  | 5                 | 22,0 | 10,0 | <b>5.30.122</b> |
| M2      | M2  | 5                 | 23,0 | 10,0 | <b>5.30.123</b> |
| M2      | M2  | 5                 | 24,0 | 10,0 | <b>5.30.124</b> |
| M2      | M2  | 5                 | 25,0 | 10,0 | <b>5.30.125</b> |
| M2      | M2  | 5                 | 26,0 | 10,0 | <b>5.30.126</b> |
| M2      | M2  | 5                 | 27,0 | 10,0 | <b>5.30.127</b> |
| M2      | M2  | 5                 | 28,0 | 10,0 | <b>5.30.128</b> |
| M2      | M2  | 5                 | 29,0 | 10,0 | <b>5.30.129</b> |
| M2      | M2  | 5                 | 30,0 | 10,0 | <b>5.30.130</b> |
| M2      | M2  | 5                 | 31,0 | 10,0 | <b>5.30.131</b> |
| M2      | M2  | 5                 | 32,0 | 10,0 | <b>5.30.132</b> |
| M2      | M2  | 5                 | 33,0 | 10,0 | <b>5.30.133</b> |
| M2      | M2  | 5                 | 34,0 | 10,0 | <b>5.30.134</b> |
| M2      | M2  | 5                 | 35,0 | 10,0 | <b>5.30.135</b> |
| M2      | M2  | 5                 | 36,0 | 10,0 | <b>5.30.136</b> |
| M2      | M2  | 5                 | 37,0 | 10,0 | <b>5.30.137</b> |
| M2      | M2  | 5                 | 38,0 | 10,0 | <b>5.30.138</b> |
| M2      | M2  | 5                 | 39,0 | 10,0 | <b>5.30.139</b> |
| M2      | M2  | 5                 | 40,0 | 10,0 | <b>5.30.140</b> |
| M2      | M2  | 5                 | 41,0 | 10,0 | <b>5.30.141</b> |
| M2      | M2  | 5                 | 42,0 | 10,0 | <b>5.30.142</b> |
| M2      | M2  | 5                 | 43,0 | 10,0 | <b>5.30.143</b> |
| M2      | M2  | 5                 | 44,0 | 10,0 | <b>5.30.144</b> |
| M2      | M2  | 5                 | 45,0 | 10,0 | <b>5.30.145</b> |



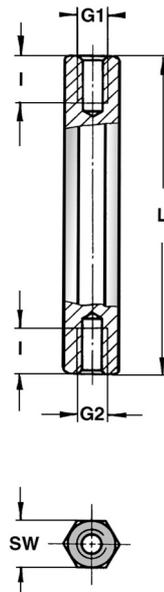
## Abstandsbolzen Typ A Innen- / Innengewinde

Für die isolierte Montage von Bauteilen

- Material:**
  - Gruppe 5.30....** Polyamid 6.0 GV 25%, schwarz, temperaturbeständig bis ca. +110 °C, Brennbarkeitsklasse UL 94 HB
  - Gruppe 5.31....** Polyamid 6.6 GV 25%, rostbraun, temperaturbeständig bis ca. +130 °C, Brennbarkeitsklasse UL 94 V-0 (Yellow Card E 41871 M)



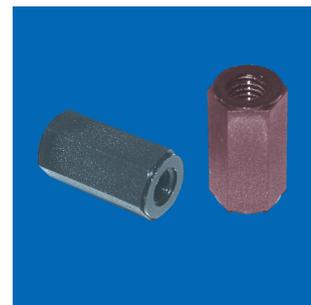
| Gewinde |       | Abmessungen in mm |      |      | Bestell-Nr.     |                 |
|---------|-------|-------------------|------|------|-----------------|-----------------|
| G 1     | G 2   | SW                | L    | I    | schwarz         | rostbraun       |
| M 2,5   | M 2,5 | 5                 | 3,5  | 3,5  | <b>5.30.203</b> |                 |
| M 2,5   | M 2,5 | 5                 | 4,0  | 4,0  | <b>5.30.204</b> | <b>5.31.204</b> |
| M 2,5   | M 2,5 | 5                 | 5,0  | 5,0  | <b>5.30.205</b> |                 |
| M 2,5   | M 2,5 | 5                 | 6,0  | 6,0  | <b>5.30.206</b> | <b>5.31.206</b> |
| M 2,5   | M 2,5 | 5                 | 7,0  | 7,0  | <b>5.30.207</b> |                 |
| M 2,5   | M 2,5 | 5                 | 8,0  | 8,0  | <b>5.30.208</b> | <b>5.31.208</b> |
| M 2,5   | M 2,5 | 5                 | 9,0  | 9,0  | <b>5.30.209</b> |                 |
| M 2,5   | M 2,5 | 5                 | 10,0 | 10,0 | <b>5.30.210</b> | <b>5.31.210</b> |
| M 2,5   | M 2,5 | 5                 | 11,0 | 11,0 | <b>5.30.211</b> |                 |
| M 2,5   | M 2,5 | 5                 | 12,0 | 12,0 | <b>5.30.212</b> | <b>5.31.212</b> |
| M 2,5   | M 2,5 | 5                 | 13,0 | 13,0 | <b>5.30.213</b> |                 |
| M 2,5   | M 2,5 | 5                 | 14,0 | 14,0 | <b>5.30.214</b> |                 |
| M 2,5   | M 2,5 | 5                 | 15,0 | 15,0 | <b>5.30.215</b> | <b>5.31.215</b> |
| M 2,5   | M 2,5 | 5                 | 16,0 | 8,0  | <b>5.30.216</b> |                 |
| M 2,5   | M 2,5 | 5                 | 17,0 | 8,5  | <b>5.30.217</b> | <b>5.31.217</b> |
| M 2,5   | M 2,5 | 5                 | 18,0 | 9,0  | <b>5.30.218</b> |                 |
| M 2,5   | M 2,5 | 5                 | 19,0 | 9,5  | <b>5.30.219</b> |                 |
| M 2,5   | M 2,5 | 5                 | 20,0 | 10,0 | <b>5.30.220</b> |                 |
| M 2,5   | M 2,5 | 5                 | 21,0 | 10,0 | <b>5.30.221</b> |                 |
| M 2,5   | M 2,5 | 5                 | 22,0 | 10,0 | <b>5.30.222</b> |                 |
| M 2,5   | M 2,5 | 5                 | 23,0 | 10,0 | <b>5.30.223</b> |                 |
| M 2,5   | M 2,5 | 5                 | 24,0 | 10,0 | <b>5.30.224</b> |                 |
| M 2,5   | M 2,5 | 5                 | 25,0 | 10,0 | <b>5.30.225</b> | <b>5.31.225</b> |
| M 2,5   | M 2,5 | 5                 | 26,0 | 10,0 | <b>5.30.226</b> |                 |
| M 2,5   | M 2,5 | 5                 | 28,0 | 10,0 | <b>5.30.228</b> |                 |
| M 2,5   | M 2,5 | 5                 | 29,0 | 10,0 | <b>5.30.229</b> |                 |
| M 2,5   | M 2,5 | 5                 | 30,0 | 10,0 | <b>5.30.230</b> | <b>5.31.230</b> |
| M 2,5   | M 2,5 | 5                 | 33,0 | 10,0 | <b>5.30.233</b> |                 |
| M 2,5   | M 2,5 | 5                 | 34,0 | 10,0 | <b>5.30.234</b> |                 |
| M 2,5   | M 2,5 | 5                 | 35,0 | 10,0 | <b>5.30.235</b> |                 |
| M 2,5   | M 2,5 | 5                 | 36,0 | 10,0 | <b>5.30.236</b> |                 |
| M 2,5   | M 2,5 | 5                 | 38,0 | 10,0 | <b>5.30.238</b> |                 |
| M 2,5   | M 2,5 | 5                 | 39,0 | 10,0 | <b>5.30.239</b> |                 |
| M 2,5   | M 2,5 | 5                 | 40,0 | 10,0 | <b>5.30.240</b> |                 |
| M 2,5   | M 2,5 | 5                 | 44,0 | 10,0 | <b>5.30.244</b> |                 |
| M 2,5   | M 2,5 | 5                 | 45,0 | 10,0 | <b>5.30.245</b> | <b>5.31.245</b> |
| M 2,5   | M 2,5 | 5                 | 47,0 | 10,0 | <b>5.30.247</b> |                 |
| M 2,5   | M 2,5 | 5                 | 50,0 | 10,0 | <b>5.30.250</b> |                 |
| M 2,5   | M 2,5 | 5                 | 55,0 | 10,0 | <b>5.30.255</b> |                 |



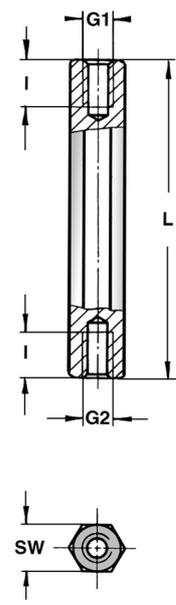
**Abstandsbolzen Typ A Innen- / Innengewinde**

Für die isolierte Montage von Bauteilen

- **Material:** **Gruppen 5.29. und 5.30....** Polyamid 6.0 GV 25%, schwarz, temperaturbeständig bis ca. +110 °C, Brennbarkeitsklasse UL 94 HB
- Gruppe 5.31....** Polyamid 6.6 GV 25%, rostbraun, temperaturbeständig bis ca. +130 °C, Brennbarkeitsklasse UL 94 V-0 (Yellow Card E 41871 M)



| Gewinde |     | Abmessungen in mm |      | Bestell-Nr.     |                   |                   |
|---------|-----|-------------------|------|-----------------|-------------------|-------------------|
| G 1     | G 2 | L                 | I    | SW 6<br>schwarz | SW 6<br>rostbraun | SW 5,5<br>schwarz |
| M3      | M3  | 5,0               | 5,0  | <b>5.30.305</b> | <b>5.31.305</b>   | <b>5.29.505</b>   |
| M3      | M3  | 6,0               | 6,0  | <b>5.30.306</b> | <b>5.31.306</b>   | <b>5.29.506</b>   |
| M3      | M3  | 7,0               | 7,0  | <b>5.30.307</b> |                   |                   |
| M3      | M3  | 8,0               | 8,0  | <b>5.30.308</b> |                   | <b>5.29.508</b>   |
| M3      | M3  | 9,0               | 9,0  | <b>5.30.309</b> |                   |                   |
| M3      | M3  | 9,5               | 9,5  | <b>5.30.371</b> |                   |                   |
| M3      | M3  | 10,0              | 10,0 | <b>5.30.310</b> | <b>5.31.310</b>   | <b>5.29.510</b>   |
| M3      | M3  | 11,0              | 11,0 | <b>5.30.311</b> | <b>5.31.311</b>   |                   |
| M3      | M3  | 12,0              | 12,0 | <b>5.30.312</b> | <b>5.31.312</b>   | <b>5.29.512</b>   |
| M3      | M3  | 13,0              | 13,0 | <b>5.30.313</b> |                   |                   |
| M3      | M3  | 13,5              | 13,5 | <b>5.30.373</b> |                   |                   |
| M3      | M3  | 14,0              | 14,0 | <b>5.30.314</b> | <b>5.31.314</b>   |                   |
| M3      | M3  | 15,0              | 15,0 | <b>5.30.315</b> | <b>5.31.315</b>   | <b>5.29.515</b>   |
| M3      | M3  | 16,0              | 7,5  | <b>5.30.316</b> |                   |                   |
| M3      | M3  | 17,0              | 8,0  | <b>5.30.317</b> | <b>5.31.317</b>   |                   |
| M3      | M3  | 18,0              | 8,5  | <b>5.30.318</b> | <b>5.31.318</b>   |                   |
| M3      | M3  | 19,0              | 9,0  | <b>5.30.319</b> |                   |                   |
| M3      | M3  | 20,0              | 9,5  | <b>5.30.320</b> | <b>5.31.320</b>   | <b>5.29.520</b>   |
| M3      | M3  | 21,0              | 10,0 | <b>5.30.321</b> |                   |                   |
| M3      | M3  | 22,0              | 10,0 | <b>5.30.322</b> |                   |                   |
| M3      | M3  | 23,0              | 10,0 | <b>5.30.323</b> | <b>5.31.323</b>   |                   |
| M3      | M3  | 24,0              | 10,0 | <b>5.30.324</b> |                   | <b>5.29.524</b>   |
| M3      | M3  | 25,0              | 10,0 | <b>5.30.325</b> | <b>5.31.325</b>   |                   |
| M3      | M3  | 26,0              | 10,0 | <b>5.30.326</b> |                   |                   |
| M3      | M3  | 27,0              | 10,0 | <b>5.30.327</b> |                   |                   |
| M3      | M3  | 28,0              | 10,0 | <b>5.30.328</b> |                   |                   |
| M3      | M3  | 29,0              | 10,0 | <b>5.30.329</b> | <b>5.31.329</b>   |                   |
| M3      | M3  | 30,0              | 10,0 | <b>5.30.330</b> | <b>5.31.330</b>   |                   |
| M3      | M3  | 31,0              | 10,0 | <b>5.30.331</b> | <b>5.31.331</b>   |                   |
| M3      | M3  | 32,0              | 10,0 | <b>5.30.332</b> |                   |                   |
| M3      | M3  | 33,0              | 10,0 | <b>5.30.333</b> |                   |                   |
| M3      | M3  | 34,0              | 10,0 | <b>5.30.334</b> |                   |                   |
| M3      | M3  | 35,0              | 10,0 | <b>5.30.335</b> | <b>5.31.335</b>   |                   |
| M3      | M3  | 36,0              | 10,0 | <b>5.30.336</b> |                   |                   |
| M3      | M3  | 37,0              | 10,0 | <b>5.30.337</b> |                   |                   |
| M3      | M3  | 38,0              | 10,0 | <b>5.30.338</b> |                   |                   |
| M3      | M3  | 40,0              | 10,0 | <b>5.30.340</b> | <b>5.31.340</b>   |                   |
| M3      | M3  | 41,0              | 10,0 | <b>5.30.341</b> |                   |                   |
| M3      | M3  | 43,0              | 10,0 | <b>5.30.343</b> |                   |                   |
| M3      | M3  | 44,0              | 10,0 | <b>5.30.344</b> |                   |                   |
| M3      | M3  | 45,0              | 10,0 | <b>5.30.345</b> |                   |                   |
| M3      | M3  | 48,0              | 10,0 | <b>5.30.348</b> |                   |                   |
| M3      | M3  | 50,0              | 10,0 | <b>5.30.350</b> |                   |                   |
| M3      | M3  | 51,0              | 10,0 | <b>5.30.351</b> |                   |                   |
| M3      | M3  | 55,0              | 10,0 | <b>5.30.355</b> |                   |                   |
| M3      | M3  | 58,0              | 10,0 | <b>5.30.358</b> |                   |                   |
| M3      | M3  | 59,0              | 10,0 | <b>5.30.359</b> |                   |                   |
| M3      | M3  | 60,0              | 10,0 | <b>5.30.360</b> |                   |                   |
| M3      | M3  | 63,0              | 10,0 | <b>5.30.363</b> |                   |                   |
| M3      | M3  | 65,0              | 10,0 | <b>5.30.365</b> |                   |                   |



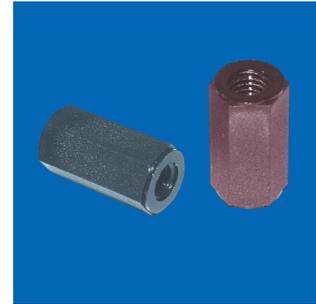
Weitere Zwischengrößen können ab Lager geliefert werden!

- Bestell-Nr. 5.30.3xx**, schwarz SW 6
- Bestell-Nr. 5.31.3xx**, rostbraun SW 6
- Bestell-Nr. 5.29.5xx**, schwarz SW 5,5

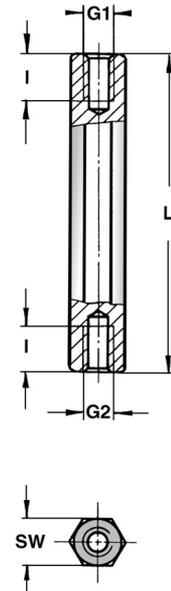
## Abstandsbolzen Typ A Innen- / Innengewinde

Für die isolierte Montage von Bauteilen

- **Material:** **Gruppe 5.29, 30....** Polyamid 6.0 GV 25%, schwarz, temperaturbeständig bis ca. +110 °C, Brennbarkeitsklasse UL 94 HB
- Gruppe 5.31....** Polyamid 6.6 GV 25%, rostbraun, temperaturbeständig bis ca. +130 °C, Brennbarkeitsklasse UL 94 V-0 (Yellow Card E 41871 M)
- Gruppe 5.29** ist auch in UL 94 V-0 Material lieferbar



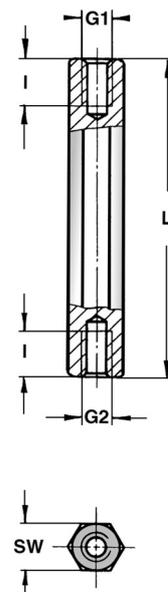
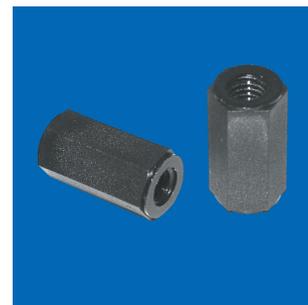
| Gewinde |     | Abmessungen in mm |      | Bestell-Nr.     |                 |                 |
|---------|-----|-------------------|------|-----------------|-----------------|-----------------|
| G 1     | G 2 | L                 | I    | SW 8            |                 | SW 7            |
|         |     |                   |      | schwarz         | rostbraun       | schwarz         |
| M4      | M4  | 5,0               | 5,0  | <b>5.30.405</b> |                 |                 |
| M4      | M4  | 6,0               | 6,0  | <b>5.30.406</b> | <b>5.31.406</b> | <b>5.29.406</b> |
| M4      | M4  | 7,0               | 7,0  | <b>5.30.407</b> | <b>5.31.407</b> | <b>5.29.407</b> |
| M4      | M4  | 8,0               | 8,0  | <b>5.30.408</b> | <b>5.31.408</b> | <b>5.29.408</b> |
| M4      | M4  | 10,0              | 10,0 | <b>5.30.410</b> | <b>5.31.410</b> | <b>5.29.410</b> |
| M4      | M4  | 11,0              | 11,0 | <b>5.30.411</b> |                 |                 |
| M4      | M4  | 12,0              | 12,0 | <b>5.30.412</b> | <b>5.31.412</b> | <b>5.29.412</b> |
| M4      | M4  | 13,0              | 13,0 | <b>5.30.413</b> | <b>5.31.413</b> |                 |
| M4      | M4  | 14,0              | 14,0 | <b>5.30.414</b> |                 |                 |
| M4      | M4  | 15,0              | 15,0 | <b>5.30.415</b> | <b>5.31.415</b> | <b>5.29.415</b> |
| M4      | M4  | 16,0              | 16,0 | <b>5.30.416</b> |                 |                 |
| M4      | M4  | 18,0              | 18,0 | <b>5.30.418</b> |                 |                 |
| M4      | M4  | 19,0              | 19,0 | <b>5.30.419</b> |                 |                 |
| M4      | M4  | 20,0              | 20,0 | <b>5.30.420</b> | <b>5.31.420</b> | <b>5.29.420</b> |
| M4      | M4  | 21,0              | 10,0 | <b>5.30.421</b> |                 |                 |
| M4      | M4  | 23,0              | 10,0 | <b>5.30.423</b> |                 |                 |
| M4      | M4  | 25,0              | 10,0 | <b>5.30.425</b> | <b>5.31.425</b> | <b>5.29.425</b> |
| M4      | M4  | 28,0              | 10,0 | <b>5.30.428</b> | <b>5.31.428</b> |                 |
| M4      | M4  | 30,0              | 10,0 | <b>5.30.430</b> | <b>5.31.430</b> | <b>5.29.430</b> |
| M4      | M4  | 32,0              | 10,0 | <b>5.30.432</b> |                 |                 |
| M4      | M4  | 33,0              | 10,0 | <b>5.30.433</b> |                 |                 |
| M4      | M4  | 35,0              | 10,0 | <b>5.30.435</b> |                 | <b>5.29.435</b> |
| M4      | M4  | 38,0              | 10,0 | <b>5.30.438</b> |                 |                 |
| M4      | M4  | 40,0              | 10,0 | <b>5.30.440</b> |                 | <b>5.29.440</b> |
| M4      | M4  | 42,0              | 10,0 | <b>5.30.442</b> |                 |                 |
| M4      | M4  | 45,0              | 10,0 | <b>5.30.445</b> |                 |                 |
| M4      | M4  | 46,0              | 10,0 | <b>5.30.446</b> |                 |                 |
| M4      | M4  | 50,0              | 10,0 | <b>5.30.450</b> | <b>5.31.450</b> |                 |
| M4      | M4  | 54,0              | 10,0 | <b>5.30.454</b> |                 |                 |
| M4      | M4  | 55,0              | 10,0 | <b>5.30.455</b> |                 |                 |
| M4      | M4  | 60,0              | 10,0 | <b>5.30.460</b> | <b>5.31.460</b> |                 |
| M4      | M4  | 65,0              | 10,0 | <b>5.30.465</b> |                 |                 |
| M4      | M4  | 68,0              | 10,0 | <b>5.30.468</b> | <b>5.31.468</b> |                 |



**Abstandsbolzen Typ A Innen- / Innengewinde**

Für die isolierte Montage von Bauteilen

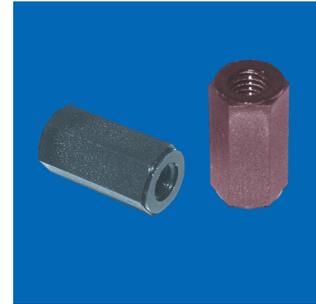
- **Material:**  
**Gruppe 5.30...** – Polyamid 6.0 GV 25%, schwarz,  
 temperaturbeständig bis ca. + 110 °C, UL 94 HB
- **Optionen** – Zwischenlängen mit 1,0 mm Differenz können kurzfristig gefertigt werden  
 – andere Längenmasse bis zur angegebenen Maximallänge in mm-Schritten können ebenfalls gefertigt werden  
 Preise und Werkzeugkosten auf Anfrage
- **Fertigungstoleranz:** Länge ±0,1 mm



| Gewinde |     | Abmessungen in mm |      |      | Bestell-Nr.     |
|---------|-----|-------------------|------|------|-----------------|
| G 1     | G 2 | SW                | L    | I    | schwarz         |
| M5      | M5  | 10                | 5,0  | 5,0  | <b>5.30.505</b> |
| M5      | M5  | 10                | 6,0  | 6,0  | <b>5.30.506</b> |
| M5      | M5  | 10                | 8,0  | 8,0  | <b>5.30.508</b> |
| M5      | M5  | 10                | 10,0 | 10,0 | <b>5.30.510</b> |
| M5      | M5  | 10                | 10,5 | 10,5 | <b>5.30.571</b> |
| M5      | M5  | 10                | 11,0 | 11,0 | <b>5.30.511</b> |
| M5      | M5  | 10                | 11,5 | 11,5 | <b>5.30.571</b> |
| M5      | M5  | 10                | 12,0 | 12,0 | <b>5.30.512</b> |
| M5      | M5  | 10                | 12,5 | 12,5 | <b>5.30.572</b> |
| M5      | M5  | 10                | 13,0 | 13,0 | <b>5.30.513</b> |
| M5      | M5  | 10                | 13,5 | 13,5 | <b>5.30.573</b> |
| M5      | M5  | 10                | 15,0 | 15,0 | <b>5.30.515</b> |
| M5      | M5  | 10                | 20,0 | 20,0 | <b>5.30.520</b> |
| M5      | M5  | 10                | 25,0 | 10,0 | <b>5.30.525</b> |
| M5      | M5  | 10                | 30,0 | 10,0 | <b>5.30.530</b> |
| M5      | M5  | 10                | 35,0 | 10,0 | <b>5.30.535</b> |
| M5      | M5  | 10                | 40,0 | 10,0 | <b>5.30.540</b> |
| M5      | M5  | 10                | 45,0 | 10,0 | <b>5.30.545</b> |
| M5      | M5  | 10                | 50,0 | 10,0 | <b>5.30.550</b> |
| M5      | M5  | 10                | 55,0 | 10,0 | <b>5.30.555</b> |
| M5      | M5  | 10                | 60,0 | 10,0 | <b>5.30.560</b> |
| M6      | M6  | 10                | 10,0 | 10,0 | <b>5.30.610</b> |
| M6      | M6  | 10                | 12,0 | 12,0 | <b>5.30.612</b> |
| M6      | M6  | 10                | 15,0 | 15,0 | <b>5.30.615</b> |
| M6      | M6  | 10                | 19,0 | 19,0 | <b>5.30.619</b> |
| M6      | M6  | 10                | 20,0 | 20,0 | <b>5.30.620</b> |
| M6      | M6  | 10                | 25,0 | 10,0 | <b>5.30.625</b> |
| M6      | M6  | 10                | 30,0 | 10,0 | <b>5.30.630</b> |
| M6      | M6  | 10                | 35,0 | 10,0 | <b>5.30.635</b> |
| M6      | M6  | 10                | 40,0 | 10,0 | <b>5.30.640</b> |
| M6      | M6  | 10                | 45,0 | 10,0 | <b>5.30.645</b> |
| M6      | M6  | 10                | 50,0 | 10,0 | <b>5.30.650</b> |
| M6      | M6  | 10                | 60,0 | 10,0 | <b>5.30.660</b> |

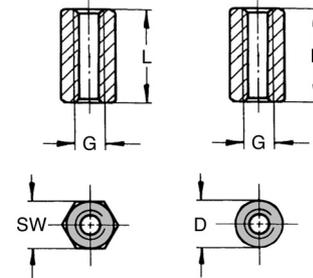
## Abstandsbolzen Typ A Innen- / Innengewinde

- **Material:** Polyamid 6.0 GV 25 %, schwarz
- **Temperaturbeständigkeit:** ca. +110 °C / UL 94 HB



### Ausführung mit durchgehendem Gewinde bis Länge 20 mm

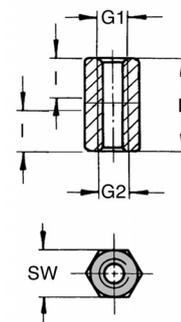
| Gewinde<br>SW / Ø | Abmessungen in mm |                 |                 |
|-------------------|-------------------|-----------------|-----------------|
|                   | M3<br>SW 7        | M4<br>SW 10     | M4<br>Ø 8,0     |
| Länge L           | Gewindelänge      | Bestell-Nr.     |                 |
| 8,0               | 8,0               | <b>5.37.308</b> | <b>5.37.808</b> |
| 9,0               | 9,0               | <b>5.37.309</b> | <b>5.37.809</b> |
| 10,0              | 10,0              | <b>5.37.310</b> | <b>5.37.810</b> |
| 11,0              | 11,0              | <b>5.37.311</b> | <b>5.37.811</b> |
| 12,0              | 12,0              | <b>5.37.312</b> | <b>5.37.812</b> |
| 13,0              | 13,0              | <b>5.37.313</b> | <b>5.37.813</b> |
| 14,0              | 14,0              | <b>5.37.314</b> | <b>5.37.814</b> |
| 15,0              | 15,0              | <b>5.37.315</b> | <b>5.37.815</b> |
| 16,0              | 16,0              |                 | <b>5.37.816</b> |
| 17,0              | 17,0              |                 | <b>5.37.817</b> |
| 18,0              | 18,0              |                 | <b>5.37.818</b> |
| 19,0              | 19,0              |                 | <b>5.37.819</b> |
| 20,0              | 20,0              |                 | <b>5.37.820</b> |



## Sondertyp A mit unterschiedlichen Innengewinden

| Gewinde 1<br>Gewinde 2<br>SW | Abmessungen in mm |                   |                  |                   |                  |                   |                  |                   |
|------------------------------|-------------------|-------------------|------------------|-------------------|------------------|-------------------|------------------|-------------------|
|                              | M 2,5<br>M 3<br>6 | Gewinde-<br>Länge | M 3<br>M 4<br>8* | Gewinde-<br>Länge | M 4<br>M 5<br>10 | Gewinde-<br>Länge | M 5<br>M 6<br>10 | Gewinde-<br>Länge |
| Länge L                      | Bestell-Nr.       |                   |                  |                   |                  |                   |                  |                   |
| 10,0                         | <b>5.38.210</b>   | 4,5               |                  |                   |                  |                   |                  |                   |
| 12,0                         | <b>5.38.212</b>   | 5,5               | <b>5.38.312</b>  | 8,0               |                  |                   |                  |                   |
| 13,0                         | <b>5.38.213</b>   | 5,5               |                  |                   |                  |                   |                  |                   |
| 15,0                         | <b>5.38.215</b>   | 7,0               |                  |                   |                  |                   |                  |                   |
| 16,0                         |                   |                   | <b>5.38.316</b>  | 8,0               |                  |                   |                  |                   |
| 17,0                         |                   |                   | <b>5.38.317</b>  | 8,0               |                  |                   |                  |                   |
| 18,0                         |                   |                   | <b>5.38.318</b>  | 8,5               |                  |                   |                  |                   |
| 20,0                         | <b>5.38.220</b>   | 9,5               | <b>5.38.320</b>  | 10,0              |                  |                   | <b>5.38.520</b>  | 9,0               |
| 21,0                         | <b>5.38.221</b>   | 9,5               | <b>5.38.321</b>  | 10,0              |                  |                   |                  |                   |
| 25,0                         | <b>5.38.225</b>   | 10,0              | <b>5.38.325</b>  | 10,0              |                  |                   | <b>5.38.525</b>  | 10,0              |
| 30,0                         | <b>5.38.230</b>   | 10,0              | <b>5.38.330</b>  | 10,0              | <b>5.38.430</b>  | 10,0              | <b>5.38.530</b>  | 10,0              |
| 35,0                         |                   | 10,0              | <b>5.38.335</b>  |                   |                  |                   |                  |                   |
| 36,0                         | <b>5.38.236</b>   | 10,0              |                  | 10,0              | <b>5.38.436</b>  | 10,0              |                  |                   |
| 40,0                         | <b>5.38.240</b>   | 10,0              | <b>5.38.340</b>  | 10,0              |                  |                   | <b>5.38.540</b>  | 10,0              |
| 45,0                         | <b>5.38.245</b>   | 10,0              |                  |                   |                  |                   |                  |                   |
| 50,0                         | <b>5.38.250</b>   | 10,0              | <b>5.38.350</b>  | 10,0              | <b>5.38.450</b>  | 10,0              | <b>5.38.550</b>  | 10,0              |
| max. Länge                   | 62                |                   | 65               |                   | 55               |                   | 60               |                   |

\* auch mit SW 7 lieferbar



Zwischenlängen mit 1,0 mm Stufung können kurzfristig, mit 0,5 mm oder 0,1 mm auf Anfrage geliefert werden.

**Abstandsbolzen Typ A Innen- / Innengewinde**

Aus Kunststoff Rundmaterial

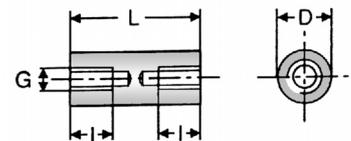
|                    |           |                                  |
|--------------------|-----------|----------------------------------|
| <b>• Material:</b> | Farbe     | Temperaturbeständigkeit          |
| Polyamid 6.0 GV    | schwarz   | ca. +110 °C                      |
| Polyamid 6.0 GV    | rostbraun | ca. + 220 °C                     |
| Polyamid 6.0 GV    | weiss     | ca. +110 °C                      |
| POM                | weiss     | ca. + 80 °C, kurzzeitig + 100 °C |

UL 94 V-0

Gewinde bis zur Länge von 20 mm sind durchgehend geschnitten!



| Bestell-Nr. |           |          |          | Abmessungen in mm |    |   |     |
|-------------|-----------|----------|----------|-------------------|----|---|-----|
| PA 6.0 GV   |           | POM      | PA 6 GV  | Gewinde           | L  | D | I   |
| schwarz     | rostbraun | weiss    | weiss    |                   |    |   |     |
| Ø 5         | Ø 5       | Ø 5      | Ø 5      |                   |    |   |     |
| 5.32.004    | 5.32.904  | 5.32.704 | 5.32.804 | M 2,5             | 4  | 5 | 4   |
| 5.32.005    | 5.32.905  | 5.32.705 | 5.32.805 | M 2,5             | 5  | 5 | 5   |
| 5.32.006    | 5.32.906  | 5.32.706 | 5.32.806 | M 2,5             | 6  | 5 | 6   |
| 5.32.007    | 5.32.907  | 5.32.707 | 5.32.807 | M 2,5             | 7  | 5 | 7   |
| 5.32.008    | 5.32.908  | 5.32.708 | 5.32.808 | M 2,5             | 8  | 5 | 8   |
| 5.32.009    | 5.32.909  | 5.32.709 | 5.32.809 | M 2,5             | 9  | 5 | 9   |
| 5.32.010    | 5.32.910  | 5.32.710 | 5.32.810 | M 2,5             | 10 | 5 | 10  |
| 5.32.011    | 5.32.911  | 5.32.711 | 5.32.811 | M 2,5             | 11 | 5 | 11  |
| 5.32.012    | 5.32.912  | 5.32.712 | 5.32.812 | M 2,5             | 12 | 5 | 12  |
| 5.32.013    | 5.32.913  | 5.32.713 | 5.32.813 | M 2,5             | 13 | 5 | 13  |
| 5.32.014    | 5.32.914  | 5.32.714 | 5.32.814 | M 2,5             | 14 | 5 | 14  |
| 5.32.015    | 5.32.915  | 5.32.715 | 5.32.815 | M 2,5             | 15 | 5 | 15  |
| 5.32.019    | 5.32.919  | 5.32.719 | 5.32.819 | M 2,5             | 19 | 5 | 19  |
| 5.32.020    | 5.32.920  | 5.32.720 | 5.32.820 | M 2,5             | 20 | 5 | 20  |
| 5.32.025    | 5.32.925  | 5.32.725 | 5.32.825 | M 2,5             | 25 | 5 | 10  |
| 5.32.030    | 5.32.930  | 5.32.730 | 5.32.830 | M 2,5             | 30 | 5 | 10  |
| 5.32.035    | 5.32.935  | 5.32.735 | 5.32.835 | M 2,5             | 35 | 5 | 10  |
| 5.32.040    | 5.32.940  | 5.32.740 | 5.32.840 | M 2,5             | 40 | 5 | 10  |
| 5.32.045    | 5.32.945  | 5.32.745 | 5.32.845 | M 2,5             | 45 | 5 | 10  |
| Ø 6         | Ø 7       | Ø 6      | Ø 6      |                   |    |   |     |
| 5.33.306    | schwarz   | 5.33.705 | 5.33.805 | M 3               | 5  | 6 | 5   |
| 5.33.307    |           | 5.33.706 | 5.33.806 | M 3               | 6  | 6 | 6   |
| 5.33.308    |           | 5.33.707 | 5.33.807 | M 3               | 7  | 6 | 7   |
|             |           | 5.33.708 | 5.33.808 | M 3               | 8  | 6 | 8   |
| 5.33.310    |           | 5.33.710 | 5.33.810 | M 3               | 10 | 6 | 10  |
| 5.33.312    |           | 5.33.712 | 5.33.812 | M 3               | 12 | 6 | 12  |
|             | 5.33.212  |          |          | M 3               | 12 | 6 | 12  |
| 5.33.314    |           | 5.33.714 | 5.33.814 | M 3               | 14 | 6 | 14  |
| 5.33.315    |           | 5.33.715 | 5.33.815 | M 3               | 15 | 6 | 15  |
|             | 5.33.215  |          |          | M 3               | 15 | 7 | 15  |
| 5.33.317    |           | 5.33.717 | 5.33.817 | M 3               | 17 | 6 | 8   |
| 5.33.318    |           | 5.33.718 | 5.33.818 | M 3               | 18 | 6 | 8,5 |
| 5.33.320    |           | 5.33.720 | 5.33.820 | M 3               | 20 | 6 | 9,5 |
| 5.33.323    |           | 5.33.723 | 5.33.823 | M 3               | 23 | 6 | 10  |
| 5.33.325    |           | 5.33.725 | 5.33.825 | M 3               | 25 | 6 | 10  |
|             |           | 5.33.727 | 5.33.827 | M 3               | 27 | 6 | 10  |
| 5.33.328    |           | 5.33.728 | 5.33.828 | M 3               | 28 | 6 | 10  |
| 5.33.330    |           | 5.33.730 | 5.33.830 | M 3               | 30 | 6 | 10  |
| 5.33.333    |           | 5.33.733 | 5.33.833 | M 3               | 33 | 6 | 10  |
| 5.33.335    |           | 5.33.735 | 5.33.835 | M 3               | 35 | 6 | 10  |
|             |           | 5.33.736 | 5.33.836 | M 3               | 36 | 6 | 10  |
| 5.33.337    |           | 5.33.737 | 5.33.837 | M 3               | 37 | 6 | 10  |
| 5.33.338    |           | 5.33.738 | 5.33.838 | M 3               | 38 | 6 | 10  |
| 5.33.340    |           | 5.33.740 | 5.33.840 | M 3               | 40 | 6 | 10  |
|             |           | 5.33.743 | 5.33.843 | M 3               | 43 | 6 | 10  |
| 5.33.345    |           | 5.33.745 | 5.33.845 | M 3               | 45 | 6 | 10  |
| 5.33.350    |           | 5.33.750 | 5.33.850 | M 3               | 50 | 6 | 10  |
| 5.33.355    |           | 5.33.755 | 5.33.855 | M 3               | 55 | 6 | 10  |
| 5.33.358    |           | 5.33.758 | 5.33.858 | M 3               | 58 | 6 | 10  |
| 5.33.360    |           | 5.33.760 | 5.33.860 | M 3               | 60 | 6 | 10  |



Abstandsbolzen aus Material PA 6.0, natur werden in gedrehter Ausführung mit Durchmessern von 5, 6 und 8 mm gefertigt.

In der Ausführung PA 6.0 GV schwarz können auch Zwischenlängen mit einem Millimeter Differenz kurzfristig geliefert werden. Andere Längenmasse bis zur jeweiligen Maximallänge sind ebenfalls möglich.

**Sonderausführungen**

Die gedrehte Ausführung PA 6.0 natur kann in jeder Abmessung angefertigt werden.

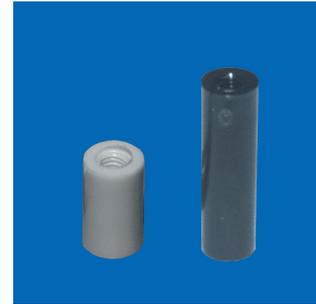
Andere Werkstoffe wie Delrin, Teflon oder PVC sind ebenfalls lieferbar.

## Abstandsbolzen Typ A Innen- / Innengewinde

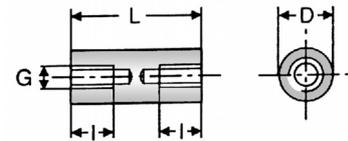
Aus Kunststoff Rundmaterial

|                    |         |                                  |
|--------------------|---------|----------------------------------|
| <b>• Material:</b> | Farbe   | Temperaturbeständigkeit          |
| Polyamid 6.0 GV    | schwarz | ca. + 110 °C                     |
| Polyamid 6.0 GV    | natur   | ca. + 110 °C                     |
| POM                | natur   | ca. + 80 °C, kurzzeitig + 100 °C |

Gewinde bis zur Länge von 15 mm sind durchgehend geschnitten!



| Bestell-Nr.       |          |          |             | Abmessungen in mm |    |    |
|-------------------|----------|----------|-------------|-------------------|----|----|
| PA 6.0 GV schwarz |          | POM      | *PA6 GV nat | Gewinde           | L  | I  |
| Ø 7               | Ø 8      | Ø 8      | Ø 8         |                   |    |    |
| 5.34.803          |          | 5.34.705 | 5.34.050    | M 4               | 3  | 3  |
|                   | 5.34.306 |          |             | M 4               | 5  | 5  |
| 5.34.810          | 5.34.308 | 5.34.708 |             | M 4               | 6  | 6  |
|                   | 5.34.310 | 5.34.710 | 5.34.100    | M 4               | 8  | 8  |
| 5.34.815          | 5.34.312 | 5.34.712 |             | M 4               | 10 | 10 |
|                   | 5.34.313 |          |             | M 4               | 12 | 12 |
|                   | 5.34.315 | 5.34.715 | 5.34.150    | M 4               | 13 | 13 |
| 5.34.820          | 5.34.318 |          |             | M 4               | 15 | 15 |
|                   | 5.34.319 |          |             | M 4               | 18 | 18 |
|                   | 5.34.320 | 5.34.720 | 5.34.200    | M 4               | 19 | 19 |
| 5.34.825          | 5.34.325 | 5.34.725 |             | M 4               | 20 | 20 |
| 5.34.830          | 5.34.330 | 5.34.730 | 5.34.300    | M 4               | 25 | 10 |
|                   | 5.34.333 | 5.34.732 |             | M 4               | 30 | 10 |
| 5.34.836          | 5.34.335 | 5.34.735 |             | M 4               | 32 | 10 |
|                   | 5.34.336 |          |             | M 4               | 33 | 10 |
|                   | 5.34.340 | 5.34.740 |             | M 4               | 35 | 10 |
|                   | 5.34.345 | 5.34.745 |             | M 4               | 36 | 10 |
|                   | 5.34.350 | 5.34.750 |             | M 4               | 40 | 10 |
|                   |          | 5.34.750 |             | M 4               | 45 | 10 |
|                   |          | 5.34.760 |             | M 4               | 50 | 10 |
|                   |          |          | M 4         | 60                | 10 |    |



Abstandsbolzen aus Material PA 6.0, natur werden in gedrehter Ausführung mit Durchmessern von 5, 6 und 8 mm gefertigt.

In der Ausführung PA 6.0 GV schwarz können auch Zwischenlängen mit einem Millimeter Differenz kurzfristig geliefert werden. Andere Längenmasse bis zur jeweiligen Maximallänge sind ebenfalls möglich.

### Sonderausführungen

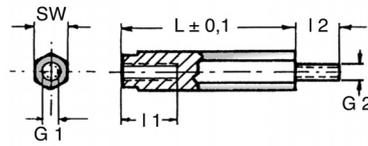
Die gedrehte Ausführung PA 6.0 natur kann in jeder Abmessung angefertigt werden.

Andere Werkstoffe wie Delrin, Teflon oder PVC sind ebenfalls lieferbar.

**Abstandsbolzen Typ B Innen- / Aussengewinde**

In Sechskant-Ausführung mit gespritztem Aussengewinde

- **Material:** Polyamid 6.6 schwarz, UL 94 HB
- **Temperaturbeständigkeit:** ca. + 110 °C



**Andere Längen von Aussengewinden oder Schlüsselweiten auf Anfrage!**

|                 | Abmessungen in mm |     |     |     |     |     |     |     |
|-----------------|-------------------|-----|-----|-----|-----|-----|-----|-----|
| Aussengewinde   | M 2,5             | M 3 | M 3 | M 3 | M 3 | M 3 | M 3 | M 3 |
| Gewindelänge I2 | 8,0               | 4,0 | 6,0 | 8,0 | 4,0 | 5,0 | 6,0 | 8,0 |
| Innengewinde    | M 2,5             | M 3 | M 3 | M 3 | M 3 | M 3 | M 3 | M 3 |
| SW              | 5                 | 5,5 | 5,5 | 5,5 | 6   | 6   | 6   | 6   |

| Länge      |      | Bestell-Nr. |          |          |          |          |          |          |          |
|------------|------|-------------|----------|----------|----------|----------|----------|----------|----------|
| L          | I1   |             |          |          |          |          |          |          |          |
| 4          | 2,5  | 5.42.040    |          |          |          |          |          |          |          |
| 4,5        | 2,5  | 5.42.045    |          |          |          |          |          |          |          |
| 5          | 3,0  | 5.42.050    | 5.43.805 |          | 5.43.705 | 5.43.405 | 5.43.505 | 5.43.605 | 5.43.050 |
| 5,5        | 3,0  |             |          |          |          |          |          |          | 5.43.052 |
| 6          | 4,0  | 5.42.060    |          |          |          | 5.43.406 | 5.43.506 |          | 5.43.060 |
| 7          | 5,0  | 5.42.070    |          |          |          |          | 5.43.507 | 5.43.607 | 5.43.070 |
| 8          | 6,0  | 5.42.080    | 5.43.808 | 5.43.908 | 5.43.708 | 5.43.408 | 5.43.508 | 5.43.608 | 5.43.080 |
| 9          | 7,0  | 5.42.090    |          |          | 5.43.709 |          | 5.43.509 | 5.43.609 | 5.43.090 |
| 10         | 8,0  | 5.42.100    | 5.43.810 | 5.43.910 | 5.43.710 | 5.43.410 | 5.43.510 | 5.43.610 | 5.43.100 |
| 11         | 9,0  | 5.42.110    |          |          |          |          | 5.43.511 |          | 5.43.110 |
| 12         | 10,0 | 5.42.120    | 5.43.812 | 5.43.912 | 5.43.712 | 5.43.412 | 5.43.512 | 5.43.612 | 5.43.120 |
| 12,6       | 10,0 | 5.42.126    |          |          |          |          |          |          | 5.43.126 |
| 13         | 10,0 | 5.42.130    |          |          |          |          | 5.43.513 | 5.43.613 | 5.43.130 |
| 14         | 10,0 |             |          |          |          |          | 5.43.514 |          | 5.43.140 |
| 15         | 10,0 | 5.42.150    | 5.43.815 | 5.43.915 | 5.43.715 | 5.43.415 | 5.43.515 | 5.43.615 | 5.43.150 |
| 16         | 10,0 | 5.42.160    |          |          | 5.43.716 |          | 5.43.516 |          | 5.43.160 |
| 17         | 10,0 | 5.42.170    |          |          |          |          | 5.43.517 |          | 5.43.170 |
| 18         | 10,0 | 5.42.180    |          |          | 5.43.718 |          | 5.43.518 |          | 5.43.180 |
| 19         | 10,0 | 5.42.190    |          |          |          |          | 5.43.519 |          | 5.43.190 |
| 20         | 10,0 | 5.42.200    |          | 5.43.920 | 5.43.720 |          | 5.43.520 | 5.43.620 | 5.43.200 |
| 21         | 10,0 | 5.42.210    |          |          |          |          |          |          | 5.43.210 |
| 22         | 10,0 | 5.42.220    |          |          |          |          |          |          | 5.43.220 |
| 23         | 10,0 |             |          |          |          |          |          |          | 5.43.230 |
| 24         | 10,0 |             |          |          |          |          |          |          | 5.43.240 |
| 25         | 10,0 | 5.42.250    | 5.43.825 | 5.43.925 | 5.43.725 |          | 5.43.525 | 5.43.625 | 5.43.250 |
| 27         | 10,0 |             |          |          |          |          |          |          | 5.43.270 |
| 28         | 10,0 |             |          |          |          |          |          |          |          |
| 29         | 10,0 |             |          |          |          |          |          |          | 5.43.290 |
| 30         | 10,0 | 5.42.300    |          | 5.43.930 | 5.43.730 |          | 5.43.530 | 5.43.630 | 5.43.300 |
| 31         | 10,0 |             |          |          |          |          |          |          | 5.43.310 |
| 32         | 10,0 |             |          |          |          |          |          |          | 5.43.320 |
| 34         | 10,0 |             |          |          |          |          |          |          | 5.43.340 |
| 35         | 10,0 |             |          |          | 5.43.735 |          |          |          | 5.43.350 |
| 36         | 10,0 |             |          |          |          |          |          |          | 5.43.360 |
| 37         | 10,0 |             |          |          |          |          |          |          | 5.43.370 |
| 38         | 10,0 |             |          |          |          |          |          |          | 5.43.380 |
| 40         | 10,0 | 5.42.400    |          |          | 5.43.740 |          |          |          | 5.43.400 |
| 43         | 10,0 |             |          |          |          |          |          |          | 5.43.430 |
| 45         | 10,0 |             |          |          | 5.43.745 |          |          |          | 5.43.450 |
| 46         | 10,0 |             |          |          |          |          |          |          | 5.43.460 |
| 47         | 10,0 |             |          |          |          |          |          |          | 5.43.470 |
| 48         | 10,0 |             |          |          |          |          |          |          | 5.43.480 |
| 50         | 10,0 |             |          |          |          |          |          |          | 5.43.500 |
| 51         | 10,0 |             |          |          |          |          |          |          | 5.43.510 |
| 55         | 10,0 |             |          |          |          |          |          |          | 5.43.550 |
| 60         | 10,0 |             |          |          |          |          |          |          | 5.43.600 |
| 65         | 10,0 |             |          |          |          |          |          |          | 5.43.650 |
| max. Länge |      | 45 mm       | 45 mm    |          | 61 mm    |          | 61 mm    |          | 65 mm    |

## Abstandsbolzen Typ B Innen- / Aussengewinde

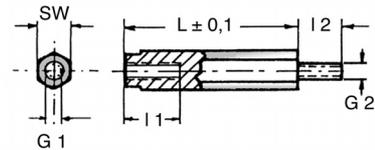
In Sechskant-Ausführung mit gespritztem Aussengewinde

- **Material:** Polyamid 6.6 schwarz, UL 94 HB
- **Temperaturbeständigkeit:** ca. +110 °C

Andere Längen von Aussengewinden oder Schlüsselweiten auf Anfrage!



| Aussengewinde | Abmessungen in mm |     |     |     |      |
|---------------|-------------------|-----|-----|-----|------|
|               | M3                | M4  | M4  | M5  | M5   |
| Gewindelänge  | 8,0               | 8,0 | 8,0 | 8,0 | 10,0 |
| Innengewinde  | M3                | M3  | M4  | M5  | M5   |
| SW            | 8                 | 8   | 8   | 10  | 10   |



| Länge      |      | Bestell-Nr.     |                 |                 |                 | Auf Anfrage |
|------------|------|-----------------|-----------------|-----------------|-----------------|-------------|
| L          | l    |                 |                 |                 |                 |             |
| 5          | 3,0  | <b>5.40.705</b> | <b>5.44.805</b> | <b>5.44.405</b> |                 |             |
| 5,5        | 3,0  |                 |                 |                 |                 |             |
| 6          | 4,0  |                 |                 | <b>5.44.406</b> | <b>5.45.505</b> |             |
| 7          | 5,0  |                 |                 | <b>5.44.407</b> |                 |             |
| 8          | 6,0  | <b>5.40.708</b> | <b>5.44.808</b> | <b>5.44.408</b> | <b>5.45.508</b> |             |
| 9          | 7,0  |                 |                 | <b>5.44.409</b> | <b>5.45.509</b> |             |
| 10         | 8,0  | <b>5.40.710</b> | <b>5.44.810</b> | <b>5.44.410</b> | <b>5.45.510</b> |             |
| 11         | 9,0  |                 |                 | <b>5.44.411</b> |                 |             |
| 12         | 10,0 | <b>5.40.712</b> | <b>5.44.812</b> | <b>5.44.412</b> | <b>5.45.512</b> |             |
| 12,6       | 10,0 |                 |                 |                 |                 |             |
| 13         | 10,0 |                 |                 | <b>5.44.413</b> |                 |             |
| 14         | 10,0 |                 |                 | <b>5.44.414</b> |                 |             |
| 15         | 10,0 | <b>5.40.715</b> | <b>5.44.815</b> | <b>5.44.415</b> | <b>5.45.515</b> |             |
| 16         | 10,0 |                 |                 | <b>5.44.416</b> |                 |             |
| 17         | 10,0 |                 |                 |                 |                 |             |
| 18         | 10,0 | <b>5.40.718</b> | <b>5.44.818</b> | <b>5.44.418</b> | <b>5.45.518</b> |             |
| 19         | 10,0 |                 |                 | <b>5.44.419</b> |                 |             |
| 20         | 10,0 | <b>5.40.720</b> | <b>5.44.820</b> | <b>5.44.420</b> | <b>5.45.520</b> |             |
| 21         | 10,0 |                 |                 | <b>5.44.421</b> |                 |             |
| 22         | 10,0 | <b>5.40.722</b> |                 | <b>5.44.422</b> | <b>5.45.522</b> |             |
| 23         | 10,0 |                 |                 |                 |                 |             |
| 25         | 10,0 |                 |                 | <b>5.44.425</b> | <b>5.45.525</b> |             |
| 27         | 10,0 |                 |                 |                 |                 |             |
| 28         | 10,0 |                 |                 | <b>5.44.428</b> |                 |             |
| 30         | 10,0 |                 |                 | <b>5.44.430</b> | <b>5.45.530</b> |             |
| 31         | 10,0 |                 |                 | <b>5.44.431</b> |                 |             |
| 32         | 10,0 |                 |                 | <b>5.44.432</b> |                 |             |
| 33         | 10,0 |                 |                 | <b>5.44.433</b> |                 |             |
| 34         | 10,0 |                 |                 | <b>5.44.434</b> |                 |             |
| 35         | 10,0 |                 |                 | <b>5.44.435</b> | <b>5.45.535</b> |             |
| 36         | 10,0 |                 |                 |                 | <b>5.45.536</b> |             |
| 37         | 10,0 |                 |                 |                 |                 |             |
| 40         | 10,0 |                 |                 | <b>5.44.440</b> | <b>5.45.540</b> |             |
| 43         | 10,0 |                 |                 |                 |                 |             |
| 45         | 10,0 |                 |                 | <b>5.44.445</b> | <b>5.45.545</b> |             |
| 46         | 10,0 |                 |                 |                 |                 |             |
| 47         | 10,0 |                 |                 | <b>5.44.447</b> |                 |             |
| 50         | 10,0 |                 |                 | <b>5.44.450</b> | <b>5.45.550</b> |             |
| 51         | 10,0 |                 |                 |                 |                 |             |
| 55         | 10,0 |                 |                 | <b>5.44.455</b> | <b>5.45.555</b> |             |
| 60         | 10,0 |                 |                 | <b>5.44.460</b> |                 |             |
| 65         | 10,0 |                 |                 | <b>5.44.465</b> |                 |             |
| max. Länge |      | 61 mm           | 61 mm           | 65 mm           | 65 mm           |             |

Alle Sechskant-Abstandsbolzen können im angegebenen Längenbereich auch in Zwischenlängen mit 1 mm Differenz kurzfristig, teilweise ab Lager geliefert werden.

Andere Längenmasse bis zur Länge von 50 mm in Teilen von Millimetern sind ebenfalls möglich.

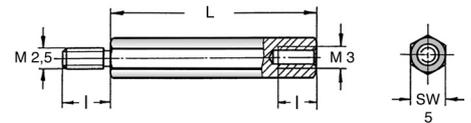
Preise und Werkzeugkosten auf Anfrage.

**Abstandsbolzen Typ B Innen- / Aussengewinde**

In Sechskant-Ausführung mit gespritztem Gewinde verschiedener Durchmesser.  
Lieferbar in Längen von 5 bis 45 mm in Abstufungen von 1 mm.

- **Material:** Polyamid 6.6 schwarz, UL 94 V-2
- **Temperaturbeständigkeit:** - 40 °C bis + 85 °C

| Bestell-Nr. | Länge | Innengewinde | Länge | Aussengewinde | Länge |
|-------------|-------|--------------|-------|---------------|-------|
| 5.42.810    | 10,0  | M 3          | 8,0   | M 2,5         | 8,0   |
| 5.42.812    | 12,0  | M 3          | 10,0  | M 2,5         | 8,0   |

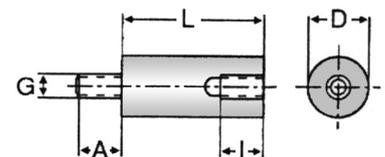


**Abstandsbolzen Typ B Innen- / Aussengewinde**

aus Rundmaterial mit Gewindezapfen, Zapfenlänge nach Tabelle

- **Material:** Polyamid 6.6 schwarz UL 94 HB
- **Temperaturbeständigkeit:** bis +110 °C

Andere Abmessungen auf Anfrage.



|              |    | Abmessungen in mm |          |          |          |
|--------------|----|-------------------|----------|----------|----------|
|              |    | M 3               | M 3      | M 4      | M 4      |
| Länge A      |    | 6,0               | 8,0      | 8,0      | 8,0      |
| Innengewinde |    | M 3               | M 3      | M 4      | M 4      |
| Durchmesser  |    | 6,0               | 6,0      | 7,0      | 8,0      |
| Länge        |    | Bestell-Nr.       |          |          |          |
| L            | I  |                   |          |          |          |
| 5            | 3  | 5.44.005          | 5.44.105 | 5.44.205 |          |
| 6            | 4  | 5.44.006          | 5.44.106 |          | 5.44.306 |
| 8            | 6  |                   | 5.44.108 | 5.44.208 | 5.44.308 |
| 10           | 8  | 5.44.010          | 5.44.110 | 5.44.210 | 5.44.310 |
| 12           | 10 |                   | 5.44.112 | 5.44.212 | 5.44.312 |
| 13           | 10 |                   |          |          |          |
| 15           | 10 | 5.44.015          | 5.44.115 | 5.44.215 | 5.44.315 |
| 17           | 10 |                   | 5.44.117 |          |          |
| 20           | 10 | 5.44.020          | 5.44.120 | 5.44.220 | 5.44.320 |
| 25           | 10 |                   | 5.44.125 |          | 5.44.325 |
| 30           | 10 |                   | 5.44.130 |          | 5.44.330 |
| 33           | 10 |                   | 5.44.033 |          |          |
| 35           | 10 |                   | 5.44.135 |          | 5.44.335 |
| 40           | 10 |                   | 5.44.140 | 5.44.240 | 5.44.340 |
| 50           | 10 |                   | 5.44.250 |          |          |
| max. Länge   |    |                   | 60 mm    | 60 mm    | 60 mm    |

## Abstandsbolzen Typ E Aussen-/ Aussengewinde

Sechskant mit Gewindezapfen, Zapfenlänge nach Tabelle

- **Material:** Polyamid 6.6 schwarz UL 94 HB
- **Temperaturbeständigkeit:** bis + 110 °C



| Gewinde      | Abmessungen in mm |           |           |
|--------------|-------------------|-----------|-----------|
|              | M 3 - M 3         | M 4 - M 4 | M 3 - M 4 |
| Gewindelänge | 6,0               | 6,4       | 6,0 - 6,4 |
| SW           | 6                 | 8         | 8         |
| Länge L      | Bestell-Nr.       |           |           |
| 5            | 5.39.305          | 5.39.405  | 5.39.505  |
| 6            | 5.39.306          | 5.39.406  | 5.39.506  |
| 7            |                   | 5.39.407  |           |
| 8            | 5.39.308          | 5.39.408  | 5.39.508  |
| 10           | 5.39.310          | 5.39.410  | 5.39.510  |
| 12           | 5.39.312          | 5.39.412  | 5.39.512  |
| 15           | 5.39.315          | 5.39.415  | 5.39.515  |
| 17           | 5.39.317          | 5.39.417  | 5.39.517  |
| 18           | 5.39.318          | 5.39.418  |           |
| 20           | 5.39.320          | 5.39.420  | 5.39.520  |
| 25           | 5.39.325          | 5.39.425  | 5.39.525  |
| 30           | 5.39.330          | 5.39.430  |           |
| 35           | 5.39.335          | 5.39.435  |           |
| 45           |                   | 5.39.445  |           |
| 60           |                   | 5.39.460  |           |
| max. Länge   | 65 mm             | 65 mm     | 65 mm     |

