

D-HA-3 - Aluminium hexagonal spacers



Details:

- Material: Aluminium, complies: **EN AW 2011: AlCuBiPb**
- Minimum tensile strength: **310 N/mm²**
- Length tolerance: **±0.1mm (DIN 2768-m applies to SW13)**
- Other lengths also available
- Standard pack: 100 pcs

| Symbol | Ext. thread G1 | Wrench size SW | Length L | Ext. thread length L2 | Material |
|------------------|-------------------|-------------------|-------------|--------------------------|-----------|
| | | [mm] | [mm] | [mm] | |
| D-HA-3-M2.5-5-5 | M2.5 | 5 | 5 | 6 | aluminium |
| D-HA-3-M2.5-5-8 | M2.5 | 5 | 8 | 6 | aluminium |
| D-HA-3-M2.5-5-10 | M2.5 | 5 | 10 | 6 | aluminium |
| D-HA-3-M2.5-5-12 | M2.5 | 5 | 12 | 6 | aluminium |
| D-HA-3-M2.5-5-15 | M2.5 | 5 | 15 | 6 | aluminium |
| D-HA-3-M2.5-5-18 | M2.5 | 5 | 18 | 6 | aluminium |
| D-HA-3-M2.5-5-20 | M2.5 | 5 | 20 | 6 | aluminium |
| D-HA-3-M2.5-5-25 | M2.5 | 5 | 25 | 6 | aluminium |
| D-HA-3-M2.5-5-30 | M2.5 | 5 | 30 | 6 | aluminium |
| D-HA-3-M2.5-5-35 | M2.5 | 5 | 35 | 6 | aluminium |
| D-HA-3-M2.5-5-40 | M2.5 | 5 | 40 | 6 | aluminium |
| D-HA-3-M2.5-5-45 | M2.5 | 5 | 45 | 6 | aluminium |
| D-HA-3-M2.5-5-50 | M2.5 | 5 | 50 | 6 | aluminium |
| D-HA-3-M3-5.5-5 | M3 | 5.5 | 5 | 6 | aluminium |
| D-HA-3-M3-5.5-8 | M3 | 5.5 | 8 | 6 | aluminium |
| D-HA-3-M3-5.5-10 | M3 | 5.5 | 10 | 6 | aluminium |
| D-HA-3-M3-5.5-12 | M3 | 5.5 | 12 | 6 | aluminium |
| D-HA-3-M3-5.5-15 | M3 | 5.5 | 15 | 6 | aluminium |
| D-HA-3-M3-5.5-18 | M3 | 5.5 | 18 | 6 | aluminium |
| D-HA-3-M3-5.5-20 | M3 | 5.5 | 20 | 6 | aluminium |
| D-HA-3-M3-5.5-25 | M3 | 5.5 | 25 | 6 | aluminium |
| D-HA-3-M3-5.5-30 | M3 | 5.5 | 30 | 6 | aluminium |

| Symbol | Ext. thread G1 | Wrench size SW | Length L | Ext. thread length L2 | Material |
|------------------|-------------------|-------------------|-------------|--------------------------|-----------|
| | | [mm] | [mm] | [mm] | |
| D-HA-3-M3-5.5-35 | M3 | 5.5 | 35 | 6 | aluminium |
| D-HA-3-M3-5.5-40 | M3 | 5.5 | 40 | 6 | aluminium |
| D-HA-3-M3-5.5-45 | M3 | 5.5 | 45 | 6 | aluminium |
| D-HA-3-M3-5.5-50 | M3 | 5.5 | 50 | 6 | aluminium |
| D-HA-3-M3-5.5-55 | M3 | 5.5 | 55 | 6 | aluminium |
| D-HA-3-M3-5.5-60 | M3 | 5.5 | 60 | 6 | aluminium |
| D-HA-3-M3-5.5-65 | M3 | 5.5 | 65 | 6 | aluminium |
| D-HA-3-M3-5.5-70 | M3 | 5.5 | 70 | 6 | aluminium |
| D-HA-3-M3-6-5 | M3 | 6 | 5 | 6 | aluminium |
| D-HA-3-M3-6-8 | M3 | 6 | 8 | 6 | aluminium |
| D-HA-3-M3-6-10 | M3 | 6 | 10 | 6 | aluminium |
| D-HA-3-M3-6-12 | M3 | 6 | 12 | 6 | aluminium |
| D-HA-3-M3-6-15 | M3 | 6 | 15 | 6 | aluminium |
| D-HA-3-M3-6-18 | M3 | 6 | 18 | 6 | aluminium |
| D-HA-3-M3-6-20 | M3 | 6 | 20 | 6 | aluminium |
| D-HA-3-M3-6-25 | M3 | 6 | 25 | 6 | aluminium |
| D-HA-3-M3-6-30 | M3 | 6 | 30 | 6 | aluminium |
| D-HA-3-M3-6-35 | M3 | 6 | 35 | 6 | aluminium |
| D-HA-3-M3-6-40 | M3 | 6 | 40 | 6 | aluminium |
| D-HA-3-M3-6-45 | M3 | 6 | 45 | 6 | aluminium |
| D-HA-3-M3-6-50 | M3 | 6 | 50 | 6 | aluminium |
| D-HA-3-M3-6-55 | M3 | 6 | 55 | 6 | aluminium |
| D-HA-3-M3-6-60 | M3 | 6 | 60 | 6 | aluminium |
| D-HA-3-M3-6-65 | M3 | 6 | 65 | 6 | aluminium |
| D-HA-3-M3-6-70 | M3 | 6 | 70 | 6 | aluminium |
| D-HA-3-M4-7-5 | M4 | 7 | 5 | 8 | aluminium |
| D-HA-3-M4-7-8 | M4 | 7 | 8 | 8 | aluminium |
| D-HA-3-M4-7-10 | M4 | 7 | 10 | 8 | aluminium |
| D-HA-3-M4-7-12 | M4 | 7 | 12 | 8 | aluminium |
| D-HA-3-M4-7-15 | M4 | 7 | 15 | 8 | aluminium |
| D-HA-3-M4-7-18 | M4 | 7 | 18 | 8 | aluminium |
| D-HA-3-M4-7-20 | M4 | 7 | 20 | 8 | aluminium |
| D-HA-3-M4-7-25 | M4 | 7 | 25 | 8 | aluminium |
| D-HA-3-M4-7-30 | M4 | 7 | 30 | 8 | aluminium |
| D-HA-3-M4-7-35 | M4 | 7 | 35 | 8 | aluminium |
| D-HA-3-M4-7-40 | M4 | 7 | 40 | 8 | aluminium |
| D-HA-3-M4-7-45 | M4 | 7 | 45 | 8 | aluminium |
| D-HA-3-M4-7-50 | M4 | 7 | 50 | 8 | aluminium |
| D-HA-3-M4-7-55 | M4 | 7 | 55 | 8 | aluminium |
| D-HA-3-M4-7-60 | M4 | 7 | 60 | 8 | aluminium |
| D-HA-3-M4-7-65 | M4 | 7 | 65 | 8 | aluminium |
| D-HA-3-M4-7-70 | M4 | 7 | 70 | 8 | aluminium |
| D-HA-3-M4-7-75 | M4 | 7 | 75 | 8 | aluminium |
| D-HA-3-M4-7-80 | M4 | 7 | 80 | 8 | aluminium |
| D-HA-3-M4-7-85 | M4 | 7 | 85 | 8 | aluminium |
| D-HA-3-M4-7-90 | M4 | 7 | 90 | 8 | aluminium |
| D-HA-3-M4-7-95 | M4 | 7 | 95 | 8 | aluminium |
| D-HA-3-M4-7-100 | M4 | 7 | 100 | 8 | aluminium |
| D-HA-3-M5-8-8 | M5 | 8 | 8 | 8 | aluminium |
| D-HA-3-M5-8-10 | M5 | 8 | 10 | 8 | aluminium |
| D-HA-3-M5-8-12 | M5 | 8 | 12 | 8 | aluminium |
| D-HA-3-M5-8-15 | M5 | 8 | 15 | 8 | aluminium |
| D-HA-3-M5-8-18 | M5 | 8 | 18 | 8 | aluminium |
| D-HA-3-M5-8-20 | M5 | 8 | 20 | 8 | aluminium |

| Symbol | Ext. thread G1 | Wrench size SW | Length L | Ext. thread length L2 | Material |
|------------------|-------------------|-------------------|-------------|--------------------------|-----------|
| | | [mm] | [mm] | [mm] | |
| D-HA-3-M5-8-25 | M5 | 8 | 25 | 8 | aluminium |
| D-HA-3-M5-8-30 | M5 | 8 | 30 | 8 | aluminium |
| D-HA-3-M5-8-35 | M5 | 8 | 35 | 8 | aluminium |
| D-HA-3-M5-8-40 | M5 | 8 | 40 | 8 | aluminium |
| D-HA-3-M5-8-45 | M5 | 8 | 45 | 8 | aluminium |
| D-HA-3-M5-8-50 | M5 | 8 | 50 | 8 | aluminium |
| D-HA-3-M5-8-55 | M5 | 8 | 55 | 8 | aluminium |
| D-HA-3-M5-8-60 | M5 | 8 | 60 | 8 | aluminium |
| D-HA-3-M5-8-65 | M5 | 8 | 65 | 8 | aluminium |
| D-HA-3-M5-8-70 | M5 | 8 | 70 | 8 | aluminium |
| D-HA-3-M5-8-75 | M5 | 8 | 75 | 8 | aluminium |
| D-HA-3-M5-8-80 | M5 | 8 | 80 | 8 | aluminium |
| D-HA-3-M5-8-85 | M5 | 8 | 85 | 8 | aluminium |
| D-HA-3-M5-8-90 | M5 | 8 | 90 | 8 | aluminium |
| D-HA-3-M5-8-95 | M5 | 8 | 95 | 8 | aluminium |
| D-HA-3-M5-8-100 | M5 | 8 | 100 | 8 | aluminium |
| D-HA-3-M6-10-10 | M6 | 10 | 10 | 10 | aluminium |
| D-HA-3-M6-10-12 | M6 | 10 | 12 | 10 | aluminium |
| D-HA-3-M6-10-15 | M6 | 10 | 15 | 10 | aluminium |
| D-HA-3-M6-10-18 | M6 | 10 | 18 | 10 | aluminium |
| D-HA-3-M6-10-20 | M6 | 10 | 20 | 10 | aluminium |
| D-HA-3-M6-10-25 | M6 | 10 | 25 | 10 | aluminium |
| D-HA-3-M6-10-30 | M6 | 10 | 30 | 10 | aluminium |
| D-HA-3-M6-10-35 | M6 | 10 | 35 | 10 | aluminium |
| D-HA-3-M6-10-40 | M6 | 10 | 40 | 10 | aluminium |
| D-HA-3-M6-10-45 | M6 | 10 | 45 | 10 | aluminium |
| D-HA-3-M6-10-50 | M6 | 10 | 50 | 10 | aluminium |
| D-HA-3-M6-10-55 | M6 | 10 | 55 | 10 | aluminium |
| D-HA-3-M6-10-60 | M6 | 10 | 60 | 10 | aluminium |
| D-HA-3-M6-10-65 | M6 | 10 | 65 | 10 | aluminium |
| D-HA-3-M6-10-70 | M6 | 10 | 70 | 10 | aluminium |
| D-HA-3-M6-10-75 | M6 | 10 | 75 | 10 | aluminium |
| D-HA-3-M6-10-80 | M6 | 10 | 80 | 10 | aluminium |
| D-HA-3-M6-10-85 | M6 | 10 | 85 | 10 | aluminium |
| D-HA-3-M6-10-90 | M6 | 10 | 90 | 10 | aluminium |
| D-HA-3-M6-10-95 | M6 | 10 | 95 | 10 | aluminium |
| D-HA-3-M6-10-100 | M6 | 10 | 100 | 10 | aluminium |
| D-HA-3-M8-13-15 | M8 | 13 | 15 | 14 | aluminium |
| D-HA-3-M8-13-20 | M8 | 13 | 20 | 14 | aluminium |
| D-HA-3-M8-13-25 | M8 | 13 | 25 | 14 | aluminium |
| D-HA-3-M8-13-30 | M8 | 13 | 30 | 14 | aluminium |
| D-HA-3-M8-13-35 | M8 | 13 | 35 | 14 | aluminium |
| D-HA-3-M8-13-40 | M8 | 13 | 40 | 14 | aluminium |
| D-HA-3-M8-13-45 | M8 | 13 | 45 | 14 | aluminium |
| D-HA-3-M8-13-50 | M8 | 13 | 50 | 14 | aluminium |
| D-HA-3-M8-13-60 | M8 | 13 | 60 | 14 | aluminium |
| D-HA-3-M8-13-70 | M8 | 13 | 70 | 14 | aluminium |
| D-HA-3-M8-13-80 | M8 | 13 | 80 | 14 | aluminium |
| D-HA-3-M8-13-90 | M8 | 13 | 90 | 14 | aluminium |
| D-HA-3-M8-13-100 | M8 | 13 | 100 | 14 | aluminium |