



**Suction tools - System K**  
**Diameter DN 30, 40, 50, 60 mm**  
**electrically conductive**  
**suitable for use in zone 2, 21 and 22**

**BTT Vacuums UG** (haftungsbeschränkt)

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### Possible combinations of suction hoses and suction tools

#### 1 Same diameter of suction hose and nozzle

Bowed pipe No. 3/DN 50 is connected directly to hose connector



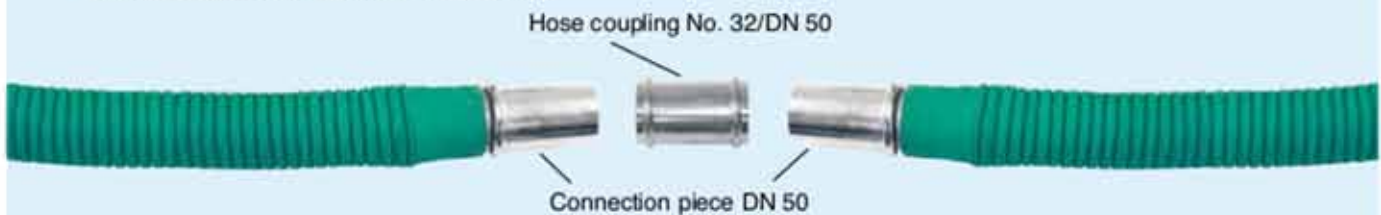
#### 2 Different diameter of suction hose and nozzle

Suction hose of dia. 50 mm is connected with reducing fitting No. 31b/DN 50 to reduce from 50 mm to 40 mm. Then the bowed pipe No. 3/DN 40 can be used



#### 3 Coupling of two suction hoses of same diameter

For coupling two or more suction hoses together (for extension), the hose coupling No. 32 of same diameter is used






When ordering hoses or suction tools, please state code number and diameter.

Subject to alterations without prior notice!

### Suction tools conical system K, DN 30, 40, 50, 60 electrically conductive (meeting the B1 regulation)

#### Nominal diameter (mm)

		30	40	50	60	
 suitable for: <b>Zone 22</b> ☒ <b>Zone 2</b> ☒ (MIE > 3 mJ) <b>Zone 21</b> ☒ (MIE > 3 mJ)	<b>Plastic hose 05SE</b> 5 m long, with connection pieces, very flexible, for suction work and as extension, <b>electrically conductive</b> , temperature range: 0°C to +85°C, colour: black / white *	<b>Code No.</b>				
		5 m	-	711095	711097	711099
		10 m	-	711115	711017	711069
		15 m	-	-	711018	711071
 suitable for: <b>Zone 22</b> ☒ <b>Zone 2</b> ☒ (MIE > 3 mJ) <b>Zone 21</b> ☒ (MIE > 3 mJ)	<b>Universal rubber hose UG</b> with connection pieces, for suction work and as extension, <b>electrically conductive</b> , temperature range: -20°C to +80°C, colour: green	<b>Code No.</b>				
		5 m	-	712016	712017	712018
		10 m	-	712021	712024	712027
		15 m	-	-	712025	712028
		20 m	-	-	-	712029
 suitable for: <b>Zone 22</b> ☒ <b>Zone 2</b> ☒ (MIE > 3 mJ) <b>Zone 21</b> ☒ (MIE > 3 mJ)	<b>Polyurethane hose 05PURE</b> 5 m long, with connection pieces, highly resistant to abrasion, for suction work and as extension, <b>electrically conductive</b> , temperature range: -40°C to +90°C, colour: green *	<b>Code No.</b>				
		5 m	-	711104	711105	711106
		10 m	-	711026	711029	711040
		15 m	-	711027	711030	711041
		20 m	-	711028	711031	711042

MIE: Minimum Ignition Energy

\* not suitable for processes creating high levels of electrostatic electricity










Suction tools conical system K, DN 30, 40, 50, 60 electrically conductive (meeting the B1 regulation)		Nominal diameter (mm)			
		30	40	50	60
 <p><b>Rubber hose TB</b> with connection pieces, transformer oil resistant, for suction work and as extension, <b>electrically conductive</b>, temperature range: -20°C to +120°C, colour: blue</p> <p>suitable for: <b>Zone 22</b> ☒ <b>Zone 2</b> ☒ (MIE &gt; 3 mJ) <b>Zone 21</b> ☒ (MIE &gt; 3 mJ)</p>	<p><b>Code No.</b> 5 m 10 m</p>	-	-	712007 712003	712008 712009
	<p><b>Code No.</b> 5 m 10 m</p>	-	-	713007 713012	713008 713014
 <p><b>Metal hose M</b> with connection pieces, heat resistant, for suction work and as extension, not suitable for liquids, <b>electrically conductive</b>, temperature range: up to +400°C, zinc plated</p> <p>suitable for: <b>Zone 22</b> ☒ <b>Zone 2</b> ☒ (MIE &gt; 3 mJ) <b>Zone 21</b> ☒ (MIE &gt; 3 mJ)</p>	<p><b>Code No.</b> 5 m 10 m</p>	-	-	714021 714022	714022
 <p><b>Elbow 11</b> 90°, metal, zinc plated, rotation: 360°, to be inserted into the suction inlet of the vacuum unit, prevents buckling of the hose</p> <p>suitable for: <b>Zone 22</b> ☒ <b>Zone 2</b> ☒ (MIE &gt; 3 mJ) <b>Zone 21</b> ☒ (MIE &gt; 3 mJ)</p>	<p><b>Code No.</b></p>	-	-	716000 716001	716001
 <p><b>Reducing fitting 30a</b> necessary when using suction hoses of a smaller diameter than the suction inlet of the vacuum unit, for suction inlet of vacuum</p> <p>suitable for: <b>Zone 22</b> ☒ <b>Zone 2</b> ☒ (MIE &gt; 3 mJ) <b>Zone 21</b></p>	<p><b>Code No.</b></p>	-	-	716014 716015 716016	716016
 <p><b>Connection piece 31</b> for hoses without connection piece two-pieces, rotating</p> <p>suitable for: <b>Zone 22</b> ☒ <b>Zone 2</b> ☒ (MIE &gt; 3 mJ) <b>Zone 21</b> ☒ (MIE &gt; 3 mJ)</p>	<p><b>Code No.</b></p>	-	716002 716003 716004	716003 716004	716004
 <p><b>Reducing fitting 31b</b> necessary when using accessories of a smaller diameter than the flexible hose, fits to connection piece no. 31</p> <p>suitable for: <b>Zone 22</b> ☒ <b>Zone 2</b> ☒ (MIE &gt; 3 mJ) <b>Zone 21</b> ☒ (MIE &gt; 3 mJ)</p>	<p><b>Code No.</b></p>	-	716005 716006	716006	-
 <p><b>Reducing fitting 38</b> with air regulation, necessary when working with units of 5.5 kW and more</p> <p>suitable for: <b>Zone 22</b> ☒ <b>Zone 2</b> ☒ (MIE &gt; 3 mJ) <b>Zone 21</b> ☒ (MIE &gt; 3 mJ)</p>	<p><b>Code No.</b></p>	-	716011 716012 716013	716012 716013	716013
 <p><b>Hose coupling 32</b> for extension of flexible hoses</p> <p>suitable for: <b>Zone 22</b> ☒ <b>Zone 2</b> ☒ (MIE &gt; 3 mJ) <b>Zone 21</b> ☒ (MIE &gt; 3 mJ)</p>	<p><b>Code No.</b></p>	-	714031 714032 714033	714032 714033	714033
 <p><b>Suction tube 1b</b> approx. 1 m long, aluminium</p> <p>suitable for: <b>Zone 22</b> ☒ <b>Zone 2</b> ☒ (MIE &gt; 3 mJ) <b>Zone 21</b> ☒ (MIE &gt; 3 mJ)</p>	<p><b>Code No.</b></p>	-	714034 714035 714036	714035 714036	714036
 <p><b>Suction tube 2b</b> approx. 0.5 m long, aluminium</p> <p>suitable for: <b>Zone 22</b> ☒ <b>Zone 2</b> ☒ (MIE &gt; 3 mJ) <b>Zone 21</b> ☒ (MIE &gt; 3 mJ)</p>	<p><b>Code No.</b></p>	-	714007 714008 714009	714008 714009	714009
 <p><b>Suction tube 1c</b> approx. 1 m long, steel, zinc plated</p> <p>suitable for: <b>Zone 22</b> ☒ <b>Zone 2</b> ☒ (MIE &gt; 3 mJ) <b>Zone 21</b> ☒ (MIE &gt; 3 mJ)</p>	<p><b>Code No.</b></p>	-	714017 714018 714019	714018 714019	714019
 <p><b>Suction tube 2c</b> approx. 0.5 m long, steel, zinc plated</p> <p>suitable for: <b>Zone 22</b> ☒ <b>Zone 2</b> ☒ (MIE &gt; 3 mJ) <b>Zone 21</b> ☒ (MIE &gt; 3 mJ)</p>	<p><b>Code No.</b></p>	-			

MIE: Minimum Ignition Energy

Suction tools conical system K, DN 30, 40, 50, 60 electrically conductive (meeting the B1 regulation)	Nominal diameter (mm)				
	30	40	50	60	
 <p><b>Suction/blowing nozzle 40</b> for the cleaning of blind holes, with suction tube 50 mm, connection for compressed air, 5 blowing nozzles, compressed air valve</p> <p>suitable for: <b>Zone 22</b> ☒ <b>Zone 2</b> ☒ (MIE &gt; 3 mJ) <b>Zone 21</b> ☒ (MIE &gt; 3 mJ)</p>	<b>Code No.</b>	-	-	715049	-
 <p><b>Fluidizing nozzle 39</b> steel, zinc plated, for the removal of bulk material and accumu- lations of dust</p> <p>suitable for: <b>Zone 22</b> ☒ <b>Zone 2</b> ☒ (MIE &gt; 3 mJ) <b>Zone 21</b> ☒ (MIE &gt; 3 mJ)</p>	<b>Code No.</b>	-	-	-	715062
 <p><b>Rubber nozzle 29</b> 150 mm long, for machine cleaning*</p> <p>suitable for: <b>Zone 22</b> ☒ <b>Zone 2</b> ☐ <b>Zone 21</b> ☐ (MIE &gt; 3 mJ)</p>	<b>Code No.</b>	-	-	715066	-
 <p><b>Round nozzle 3</b> 30°, plastic, cleaning*</p> <p>suitable for: <b>Zone 22</b> ☒ <b>Zone 2</b> ☐ <b>Zone 21</b> ☐ (MIE &gt; 3 mJ)</p>	<b>Code No.</b>	715000	715001	715002	-
 <p><b>Round nozzle 3a</b> 30°, steel, zinc plated, suction and connection of other nozzles</p> <p>suitable for: <b>Zone 22</b> ☒ <b>Zone 2</b> ☒ (MIE &gt; 3 mJ) <b>Zone 21</b> ☒ (MIE &gt; 3 mJ)</p>	<b>Code No.</b>	-	715005	715006	715007
 <p><b>Round nozzle 3b</b> 30°, plastic, separate rubber nozzle at top*</p> <p>suitable for: <b>Zone 22</b> ☒ <b>Zone 2</b> ☐ <b>Zone 21</b> ☐ (MIE &gt; 3 mJ)</p>	<b>Code No.</b>	-	-	715014	-
 <p><b>Suction nozzle 4</b> plastic, in two parts, for machine cleaning*</p> <p>suitable for: <b>Zone 22</b> ☒ <b>Zone 2</b> ☐ <b>Zone 21</b> ☐ (MIE &gt; 3 mJ)</p>	<b>Code No.</b>	715008	715009	-	-
 <p><b>Suction nozzle 4a</b> one part, steel, zinc plated, for machine cleaning</p> <p>suitable for: <b>Zone 22</b> ☒ <b>Zone 2</b> ☒ (MIE &gt; 3 mJ) <b>Zone 21</b> ☒ (MIE &gt; 3 mJ)</p>	<b>Code No.</b>	-	715015	-	-
 <p><b>Flat nozzle 6</b> plastic, for narrow grooves of machines*</p> <p>suitable for: <b>Zone 22</b> ☒ <b>Zone 2</b> ☐ <b>Zone 21</b> ☐ (MIE &gt; 3 mJ)</p>	<b>Code No.</b>	-	715017	715018	715160
	<b>Opening of nozzle</b>	-	12x65 mm <sup>2</sup>	18x90 mm <sup>2</sup>	18x90 mm <sup>2</sup>
 <p><b>Flat nozzle 6a</b> metal, zinc plated, for cleaning of narrow spaces on machines and radiators</p> <p>suitable for: <b>Zone 22</b> ☒ <b>Zone 2</b> ☒ (MIE &gt; 3 mJ) <b>Zone 21</b> ☒ (MIE &gt; 3 mJ)</p>	<b>Code No.</b>	-	715020	715021	715022
	<b>Opening of nozzle</b>	-	15x60 mm <sup>2</sup>	15x80 mm <sup>2</sup>	15x90 mm <sup>2</sup>
 <p><b>Flat nozzle 6b</b> plastic, for machine cleaning, suction opening: 90 x 15 mm*</p> <p>suitable for: <b>Zone 22</b> ☒ <b>Zone 2</b> ☐ <b>Zone 21</b> ☐ (MIE &gt; 3 mJ)</p>	<b>Code No.</b>	-	-	715070	-

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Suction tools conical system K, DN 30, 40, 50, 60 electrically conductive (meeting the B1 regulation)		Nominal diameter (mm)			
		30	40	50	60
 <p><b>Triangular nozzle 7c</b> straight, aluminium casting, with steel rail, painted, for vacuum extraction of dirt, turnings and bulk material</p> <p>suitable for: <b>Zone 22</b> ☒ <b>Zone 2</b> ☒ (MIE &gt; 3 mJ) <b>Zone 21</b> ☒ (MIE &gt; 3 mJ)</p>	<p><b>Code No.</b></p>	-	715027	715028	715029
	<p>Opening of nozzle</p>	-	110x30 mm <sup>2</sup>	110x30 mm <sup>2</sup>	110x30 mm <sup>2</sup>
 <p><b>Triangular nozzle 7</b> aluminium casting, with steel rail, painted, for vacuum extraction of dirt</p> <p>suitable for: <b>Zone 22</b> ☒ <b>Zone 2</b> ☒ (MIE &gt; 3 mJ) <b>Zone 21</b> ☒ (MIE &gt; 3 mJ)</p>	<p><b>Code No.</b></p>	-	715023	-	-
	<p>Opening of nozzle</p>	-	150x15 mm <sup>2</sup>	-	-
 <p><b>Triangular nozzle 7a</b> angular, aluminium casting, painted, with steel scraper, for scraping off and vacuum extraction of adhesive dirt</p> <p>suitable for: <b>Zone 22</b> ☒ <b>Zone 2</b> ☒ (MIE &gt; 3 mJ) <b>Zone 21</b> ☒ (MIE &gt; 3 mJ)</p>	<p><b>Code No.</b></p>	-	715024	-	-
	<p>Opening of nozzle</p>	-	150x15 mm <sup>2</sup>	-	-
 <p><b>Triangular nozzle 7b</b> angular, aluminium casting, painted, with rubber lips, for removal of liquids and sludge</p> <p>suitable for: <b>Zone 22</b> ☒ <b>Zone 2</b> ☒ (MIE &gt; 3 mJ) <b>Zone 21</b> ☒ (MIE &gt; 3 mJ)</p>	<p><b>Code No.</b></p>	-	715025	-	-
	<p>Opening of nozzle</p>	-	150x15 mm <sup>2</sup>	-	-
 <p><b>Triangular nozzle 7g</b> angular, aluminium casting, painted, with brush insert, for cleaning of cushions, inside-cleaning of cars</p> <p>suitable for: <b>Zone 22</b> ☒ <b>Zone 2</b> ☒ (MZE &gt; 3 mJ) <b>Zone 21</b> ☒ (MZE &gt; 3 mJ)</p>	<p><b>Code No.</b></p>	-	715026	-	-
	<p>Opening of nozzle</p>	-	150x15 mm <sup>2</sup>	-	-
 <p><b>Triangular nozzle 7d</b> angular, aluminium casting, painted, with steel rail, for removal of dirt and chips</p> <p>suitable for: <b>Zone 22</b> ☒ <b>Zone 2</b> ☒ (MIE &gt; 3 mJ) <b>Zone 21</b> ☒ (MIE &gt; 3 mJ)</p>	<p><b>Code No.</b></p>	-	715030	715031	715032
	<p>Opening of nozzle</p>	-	300x28 mm <sup>2</sup>	300x28 mm <sup>2</sup>	300x28 mm <sup>2</sup>
 <p><b>Triangular nozzle 7e</b> angular, aluminium casting, painted, with rubber lips, for removal of liquids and sludge</p> <p>suitable for: <b>Zone 22</b> ☒ <b>Zone 2</b> ☒ (MIE &gt; 3 mJ) <b>Zone 21</b> ☒ (MIE &gt; 3 mJ)</p>	<p><b>Code No.</b></p>	-	715033	715034	715035
	<p>Opening of nozzle</p>	-	300x28 mm <sup>2</sup>	300x28 mm <sup>2</sup>	300x28 mm <sup>2</sup>
 <p><b>Floor cleaning nozzle 500 L</b> suitable for units up to 3.6 kW, width 500 mm, aluminium casting, rubber lips on both sides, swivel elbow and clamp lock, height adjustable wheels</p> <p>suitable for: <b>Zone 22</b> ☒ <b>Zone 2</b> ☒ (MIE &gt; 3 mJ) <b>Zone 21</b> ☒ (MIE &gt; 3 mJ)</p> <p>recommended for floor cleaning nozzles: suction tube 1c and round nozzle 3a of the same diameter</p>	<p><b>Code No.</b></p>	-	-	715075	-
	<p> <b>Brush inserts</b></p> <p>for dry material we recommend brush inserts instead of rubber lips</p>	<p><b>Code No.</b></p>	-	-	715076

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### Suction tools conical system K, DN 30, 40, 50, 60 electrically conductive (meeting the B1 regulation)

		Nominal diameter (mm)			
		30	40	50	60
 <p><b>Floor cleaning nozzle 300 S</b> width 300 mm,</p> <p>suitable for: <b>Zone 22</b> ☒ <b>Zone 2</b> ☒ (MIE &gt; 3 mJ) <b>Zone 21</b> ☒ (MIE &gt; 3 mJ)</p> <p>aluminium casting, suitable for units up to 22 kW, rubber lips on both sides, swivel elbow and clamp lock, height adjustable wheels</p> <p>recommended for floor cleaning nozzles: suction tube 1c and round nozzle 3a of the same diameter</p>	<b>Code No.</b>	-	-	715136	715137
 <p><b>Floor cleaning nozzle 500 S</b> width 500 mm,</p> <p>suitable for: <b>Zone 22</b> ☒ <b>Zone 2</b> ☒ (MIE &gt; 3 mJ) <b>Zone 21</b> ☒ (MIE &gt; 3 mJ)</p>	<b>Code No.</b>	-	-	715139	715140
 <p><b>Brush 8</b> 370 mm wide, angular</p> <p>suitable for: <b>Zone 22</b> ☒ <b>Zone 2</b> ☒ (MIE &gt; 3 mJ) <b>Zone 21</b> ☒ (MIE &gt; 3 mJ)</p> <p>for removal of dry dust from walls and floors</p>	<b>Code No.</b>	-	-	715040	-
 <p><b>Brush 8</b> 250 mm wide, angular</p> <p>suitable for: <b>Zone 22</b> ☒ <b>Zone 2</b> ☒ (MIE &gt; 3 mJ) <b>Zone 21</b> ☒ (MIE &gt; 3 mJ)</p>	<b>Code No.</b>	-	715039	-	-
 <p><b>Brush 12a</b> 120° section, for pipelines up to 250 mm Ø, for overhead cleaning</p> <p>suitable for: <b>Zone 22</b> ☒ <b>Zone 2</b> ☒ (MIE &gt; 3 mJ) <b>Zone 21</b> ☒ (MIE &gt; 3 mJ)</p>	<b>Code No.</b>	-	715043	-	-
 <p><b>Brush 10</b> round Ø 100 mm and Ø 120 mm, angular, for cleaning of floors, machines, ceilings, windows, columns and beams</p> <p>suitable for: <b>Zone 22</b> ☒ <b>Zone 2</b> ☒ (MIE &gt; 3 mJ) <b>Zone 21</b> ☒ (MIE &gt; 3 mJ)</p>	<b>Code No.</b>	-	715041	-	-
 <p><b>Universal rubber brush 16</b> for removal of dust and fly, cleaning of looms and other machinery *</p> <p>suitable for: <b>Zone 22</b> ☒ <b>Zone 2</b> ☐ <b>Zone 21</b> ☐ (MIE &gt; 3 mJ)</p>	<b>Code No.</b>	-	716059	-	-
 <p><b>Connection piece MV 100/60 K</b> steel, zinc coated, direct connection to MaxVac for suction hose, system K</p> <p>suitable for: <b>Zone 22</b> ☒ <b>Zone 2</b> ☒ (MIE &gt; 3 mJ) <b>Zone 21</b> ☒ (MIE &gt; 3 mJ)</p>	<b>Code No.</b>	-	-	-	762112
	<b>Suction inlet Ø</b>	-	-	-	1x 100 mm MV 1x 60 mm K

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