



## Kühlung auf den Punkt gebracht

### Das Problem bei Kunststoffschläuchen:

- Kein erhöhter Kühlmitteldruck möglich
- Position kann durch Vibrationen und Späne verstellt werden
- Keine prozesssichere, zielgerichtete Kühlung

### Das Problem bei gebogenen Kupfer- oder Stahlrohren:

- Lange Rüst- / Einrichte- / Biegezeit
- Keine Düsenteknik
- Nicht reproduzierbar

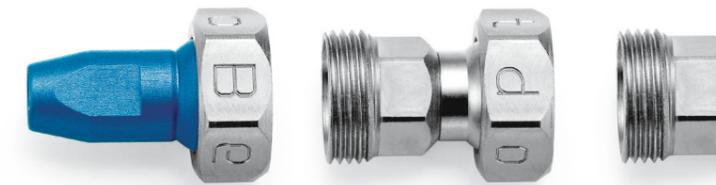
## Die Lösung:

### Das BESTDO Kühlleitungssystem aus Metall



### Das System

Die kompakten Kugel-Schraubverschlüsse mit Dichtring und 3-Punkt-Auflage sind in drei Durchmessern erhältlich. Die verfügbaren Komponenten machen ein individuelles Anpassen an jeden Maschinentyp sehr leicht möglich. Gerne stellen wir Ihnen auch passend für Ihre Maschine ein Set zusammen.



### BESTDO – Flexibel und individuell

Für Drehmaschinen, Fräsmaschinen, Sägen, etc. An nahezu jeder Maschine, bei der Kühlung benötigt und vorgesehen ist, kann das BESTDO Kühlleitungssystem eingesetzt werden. Wir bieten für jeden Maschinentyp die passenden Anschlüsselemente. Basiselemente in verschiedenen Längen und drei Durchmessern aus Metall, sowie Düsen aus Aluminium, Kunststoff und Stahl runden das System ab.



**Schwalldüse**  
Schwalldüsen mit 5- oder 8-fach Bohrung sind sehr flexibel einsetzbar und in zwei Durchmessern erhältlich.



**Hochdruck**  
50 bar Hochdruck – kein Problem. Außerdem äußerst stabil, direkt im Arbeitsraum einsetzbar.

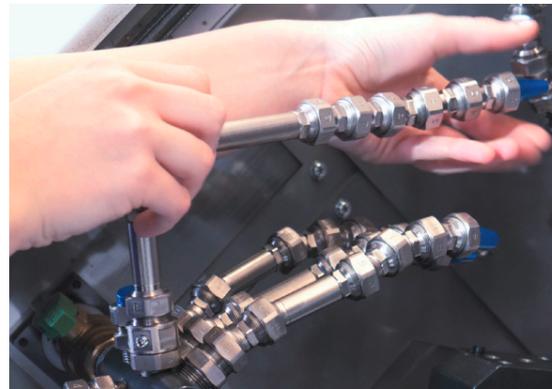


**Vollausstattung**  
Am Beispiel einer Star ST-38. Das BESTDO Kühlleitungssystem aus Metall.



## Vorteile von BESTDO

- Einfach zu montieren
- Punktgenau einstellbar
- Positionstreu selbst bei hohen Vibrationen und starker Spanbildung
- Individuell konfigurierbar (Baukastensystem)
- Flexibel und dennoch starr (fest verschraubbar)
- Druckstabil bis 50 Bar
- Geringer Verschleiß (hohe Lebensdauer)
- Erhöhung der Prozesssicherheit
- Erhöhung der Werkzeugstandzeit
- Modernste Düsenteknik
- Schnellwechselsystem
- Auch für den Einsatz mit Druckluft verwendbar



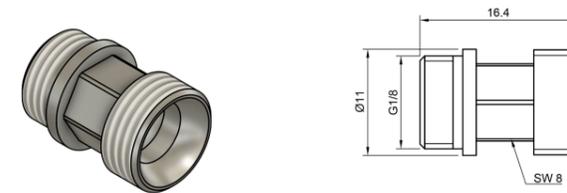
## Baukastensystem – individuell konfigurierbar





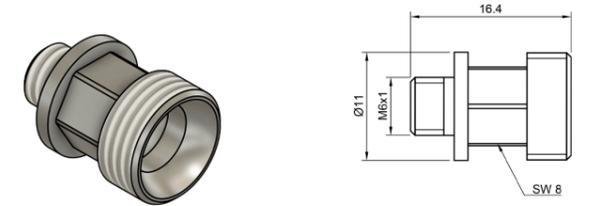
**Best-0**  
Anschlüsse

Best-0-AD-110



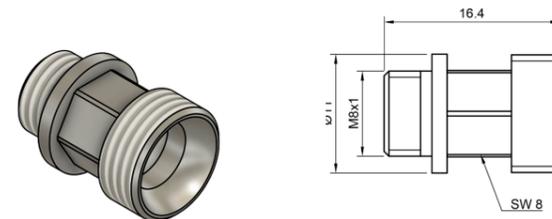
Adapter G1/8

Best-0-AD-220



Adapter M6x1

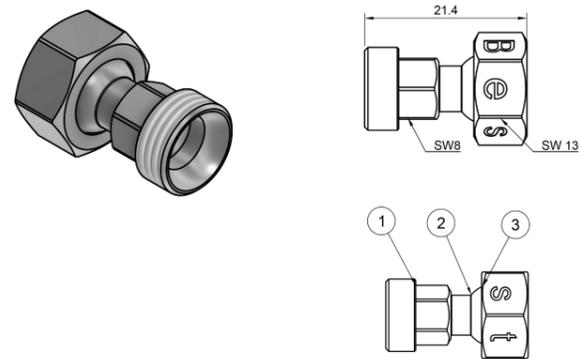
Best-0-AD-130



Adapter M8x1

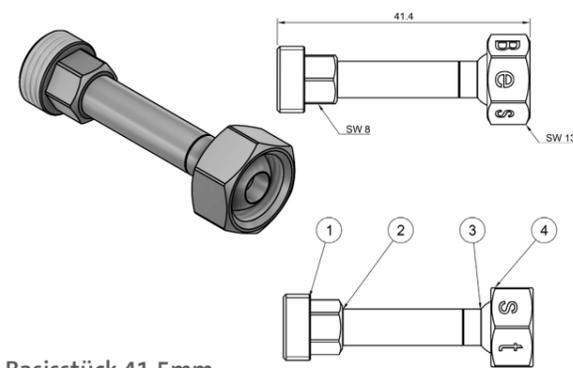
**Best-0**  
Basisstücke

Best-0-BS-100



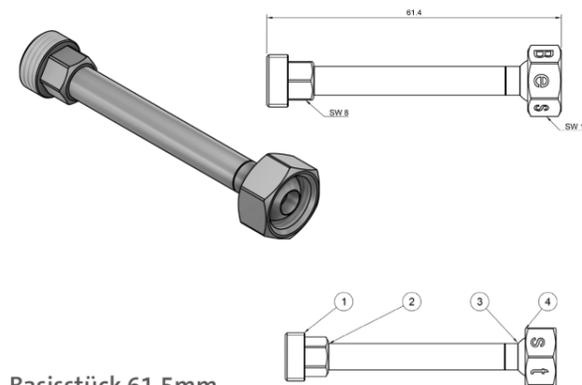
Basisstück 21,5mm

Best-0-BS-120



Basisstück 41,5mm

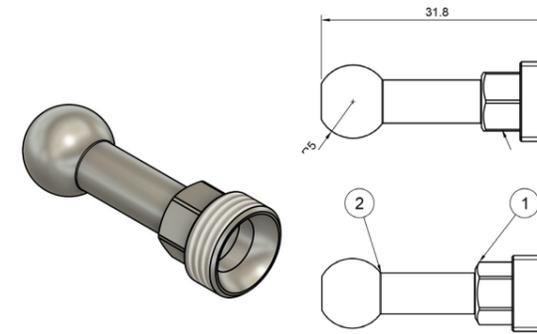
Best-0-BS-140



Basisstück 61,5mm

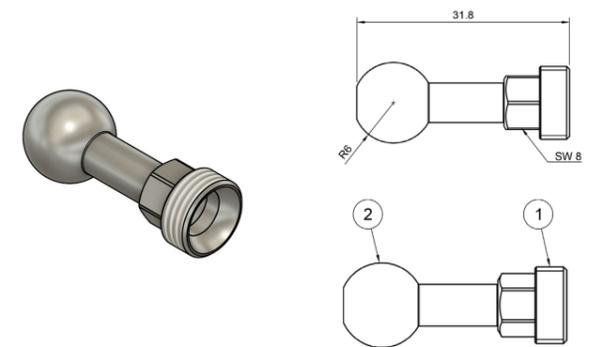
**Best-0**  
Anschlüsse Werkzeughalter

Best-0-WZH-10



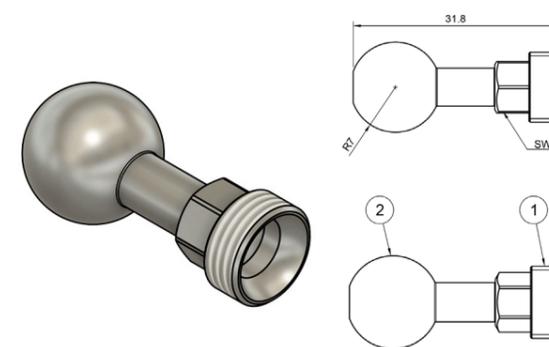
Kugelanschluss Ø 10mm – 32mm lang

Best-0-WZH-12



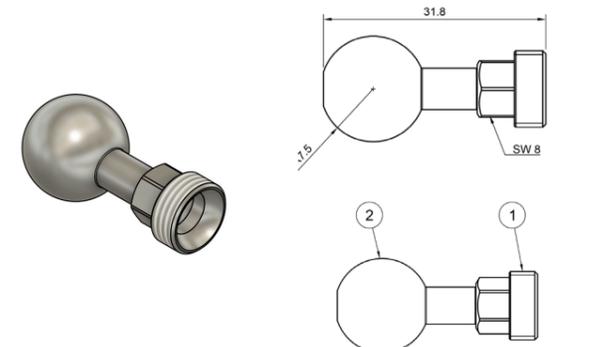
Kugelanschluss Ø 12mm – 32mm lang

Best-0-WZH-14



Kugelanschluss Ø 14mm – 32mm lang

Best-0-WZH-15

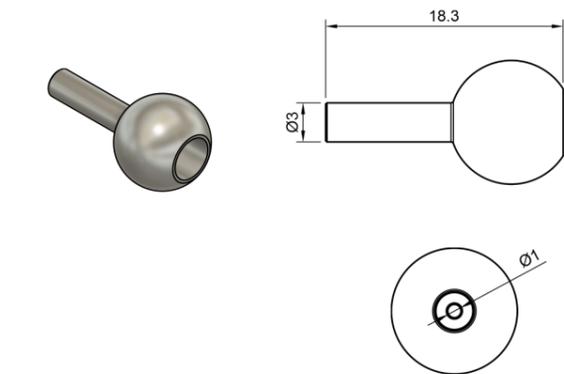


Kugelanschluss Ø 15mm – 32mm lang

**Best-0**

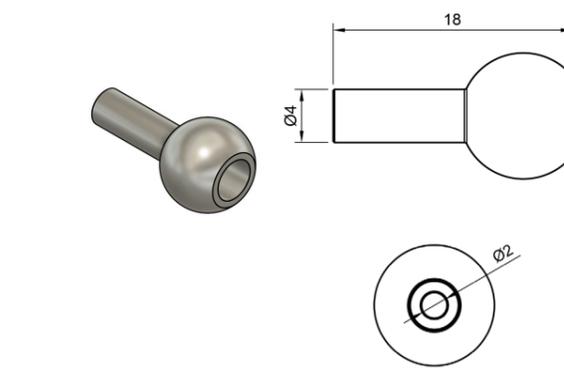
Düsen & Muttern

Best-0-DUE-100



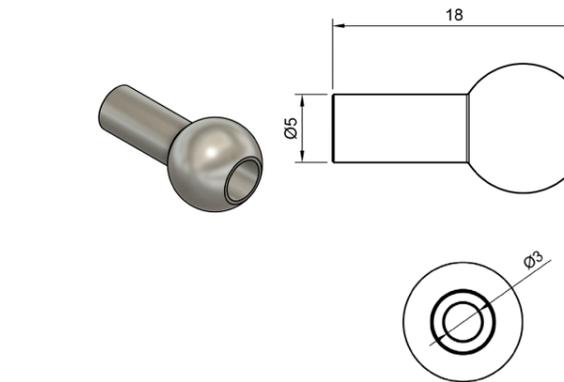
Düse Ø1

Best-0-DUE-200



Düse Ø2

Best-0-DUE-300

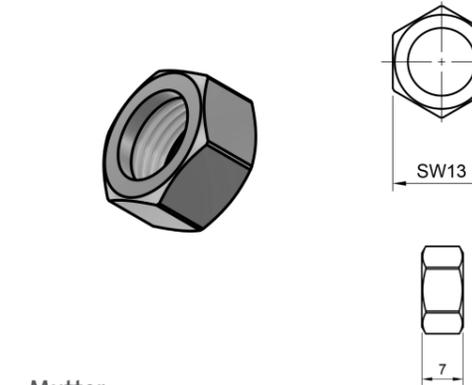


Düse Ø3

**Best-0**

Düsen & Muttern

BEST-0-BS-103

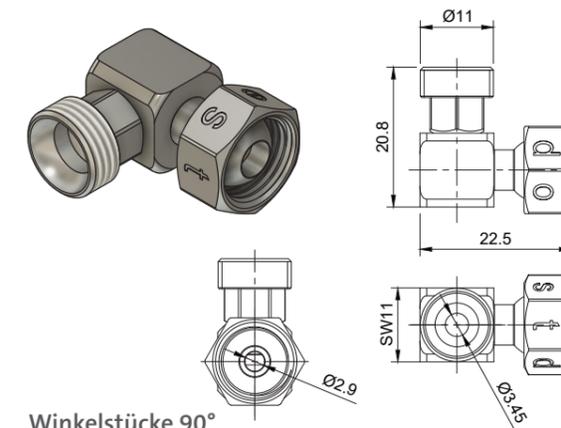


Mutter

**Best-0**

Winkelstücke

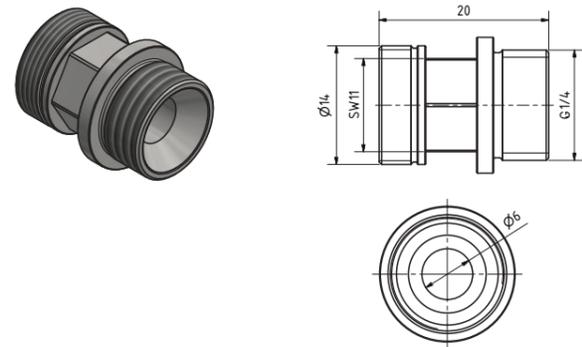
Best-0-WS-100



Winkelstücke 90°

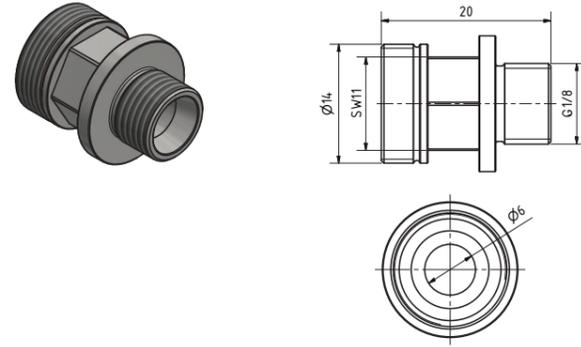
**Best-1**  
Anschlüsse

Best-1-AD-100



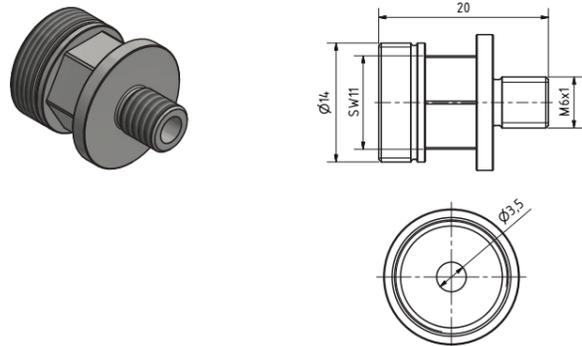
Adapter G1/4

Best-1-AD-110



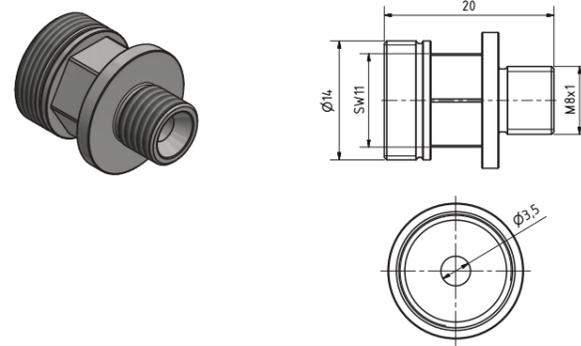
Adapter G1/8

Best-1-AD-220



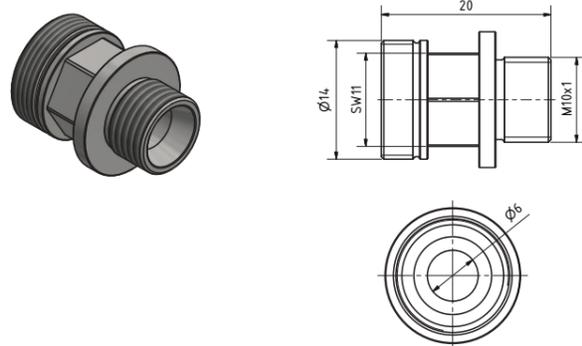
Adapter M6x1

Best-1-AD-130

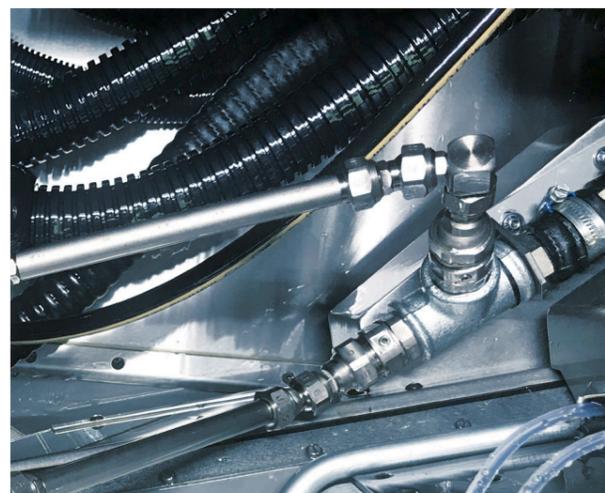


Adapter M8x1

Best-1-AD-200

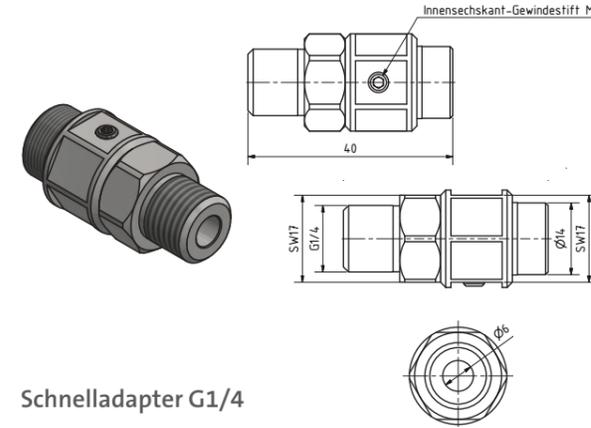


Adapter M10x1



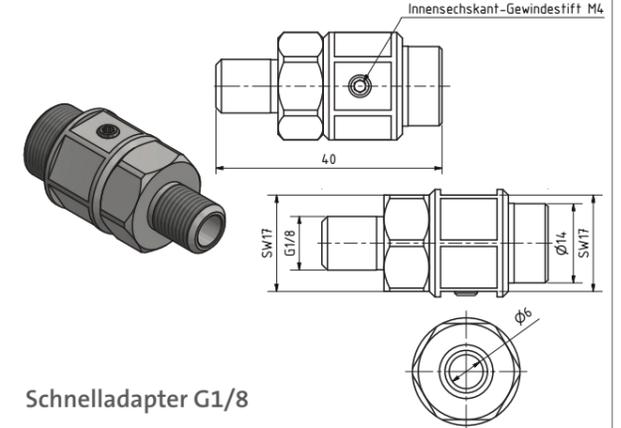
**Best-1**  
Anschlüsse

Best-1-AD-150



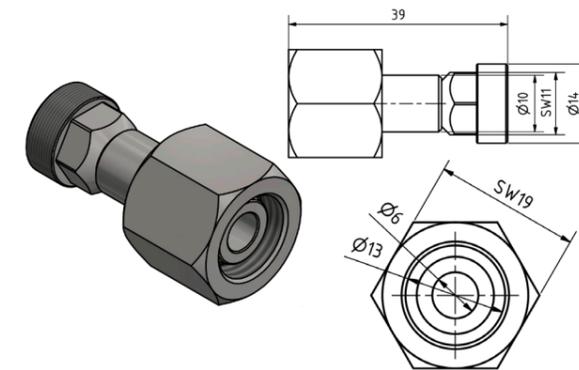
Schnelladapter G1/4

Best-1-AD-160



Schnelladapter G1/8

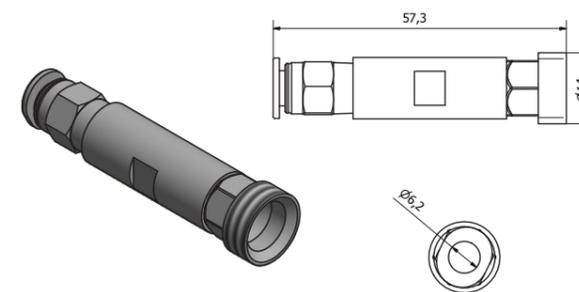
Best-1-HYD-XX-YYY



Hydraulikanschluss 39mm

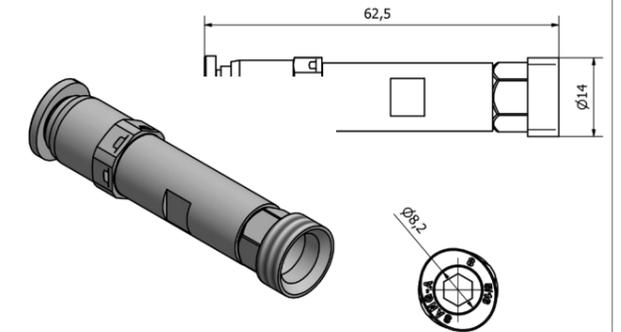
| xx (Länge)   | YYY (Überwurfmutter) |
|--------------|----------------------|
| 10 = 39 mm   | L10                  |
| 30 = 69 mm   | L12                  |
| 60 = 99 mm   |                      |
| 100 = 139 mm |                      |

Best-1-Luft-100-6



Luftanschluss für Schlauch  $\varnothing 6$

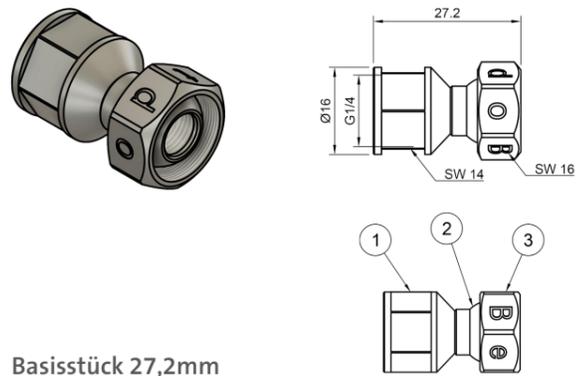
Best-1-Luft-100-8



Luftanschluss für Schlauch  $\varnothing 8$

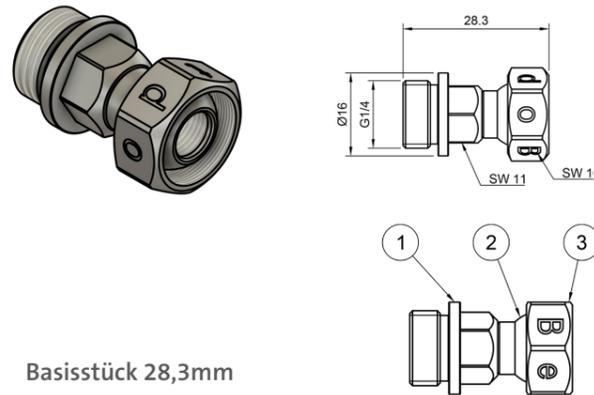
**Best-1**  
Basisstücke

Best-1-BS-100-1/4-IG



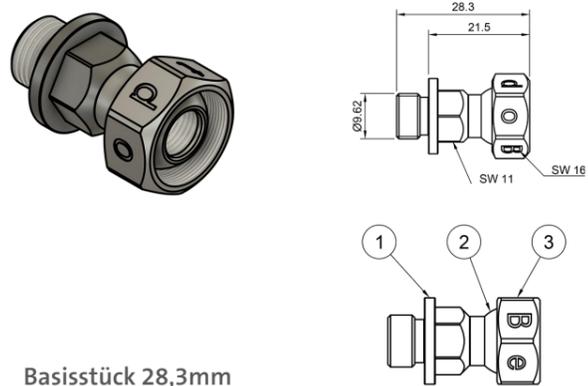
Basisstück 27,2mm

Best-1-BS-100-1/4-AG



Basisstück 28,3mm

Best-1-BS-100-1/8-AG

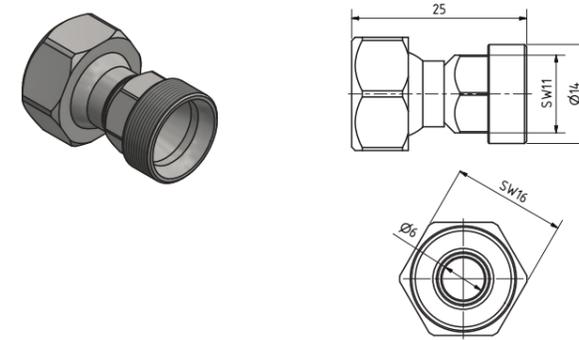


Basisstück 28,3mm

Zur Anbringung von Düsen externer Anbieter.

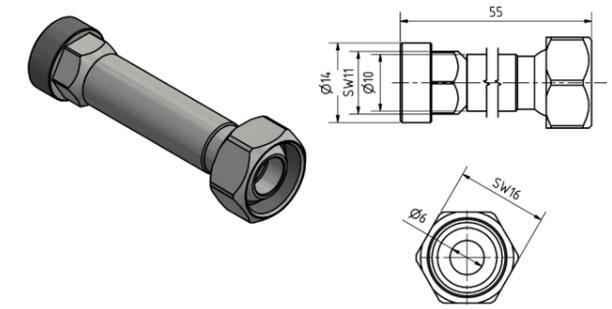
**Best-1**  
Basisstücke

Best-1-BS-100



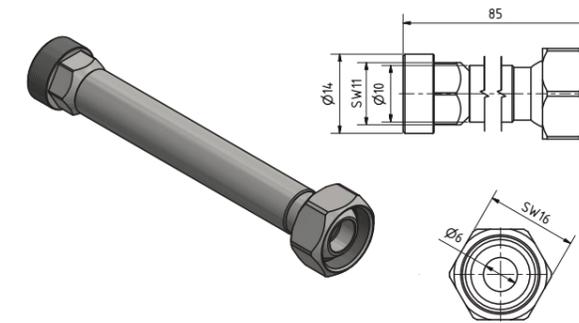
Basisstück 25mm

Best-1-BS-130



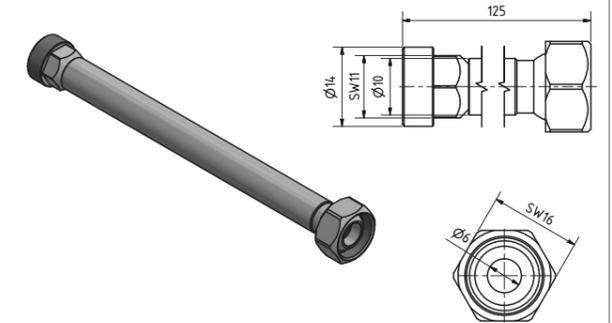
Basisstück 55mm

Best-1-BS-120



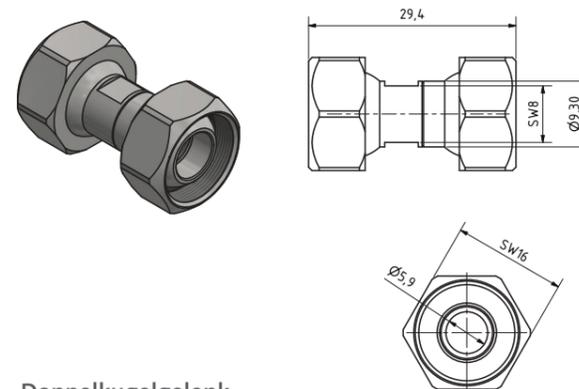
Basisstück 85mm

Best-1-BS-110

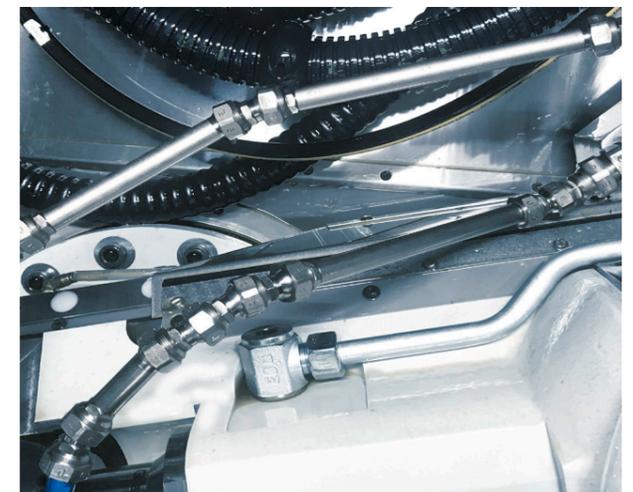


Basisstück 125mm

Best-1-AD-140

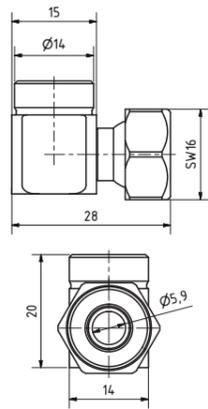


Doppelkugelgelenk



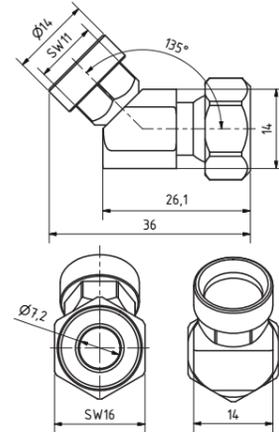
**Best-1**  
Winkelstücke

Best-1-WS-100



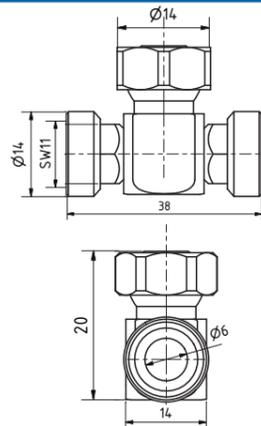
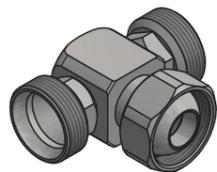
Winkelstück 90°

Best-1-WS-600



Winkelstück 45°

Best-1-WS-200

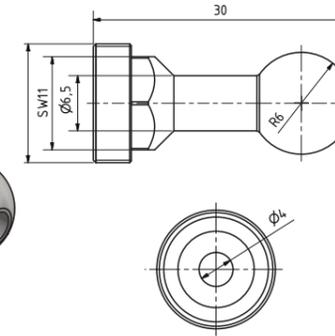
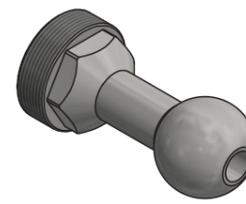


T-Winkelstück



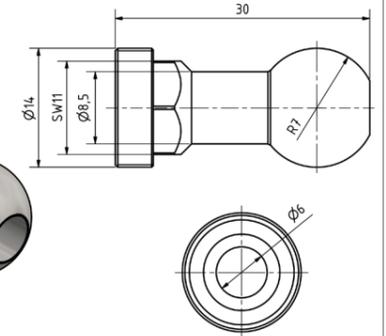
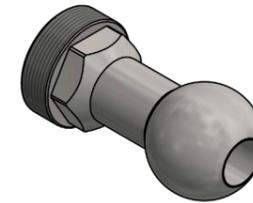
**Best-1**  
Anschlüsse Werkzeughalter

Best-1-WZH-12



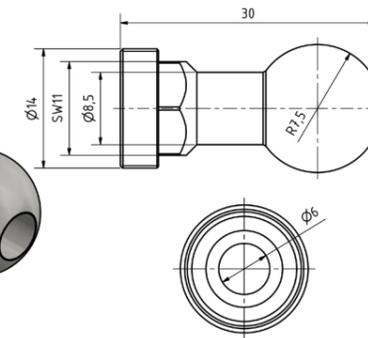
Kugelanschluss  $\varnothing$  12mm – 30mm lang

Best-1-WZH-14



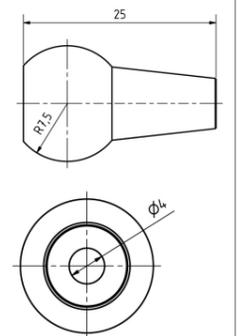
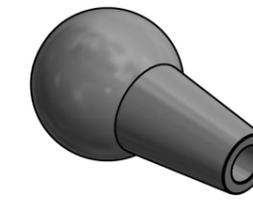
Kugelanschluss  $\varnothing$  14mm – 30mm lang

Best-1-WZH-15



Kugelanschluss  $\varnothing$  15mm – 30mm lang

Best-1-DUE-15

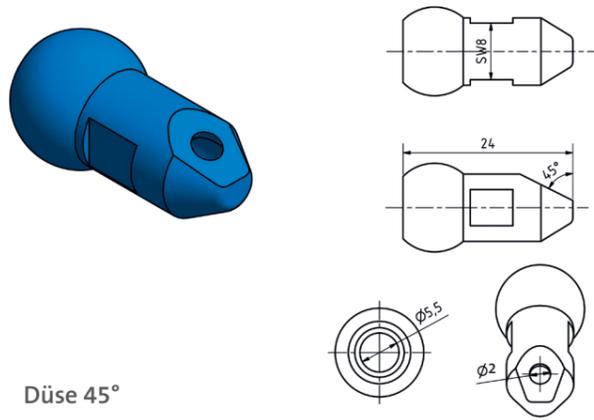


Kugeldüse 15mm 25mm lang



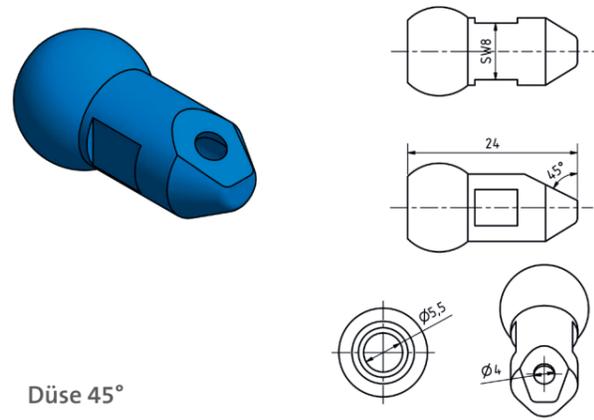
**Best-1**  
Düsen

Best-1-DUE-170-2



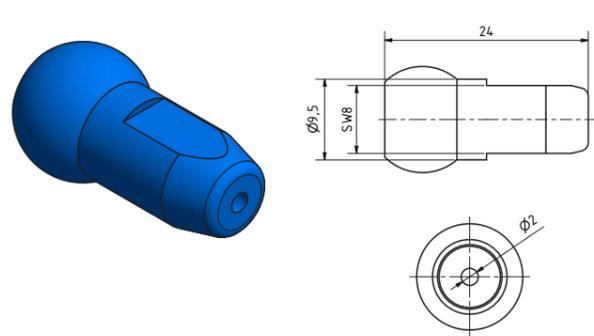
Düse 45°

Best-1-DUE-170-4



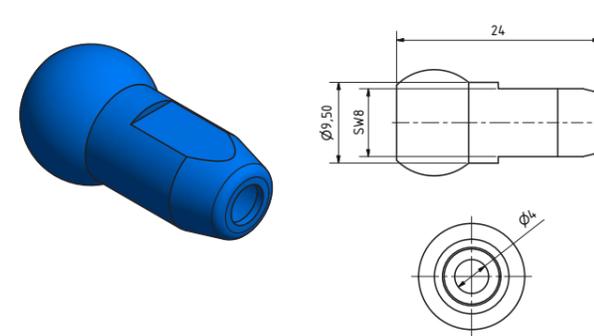
Düse 45°

Best-1-DUE-110



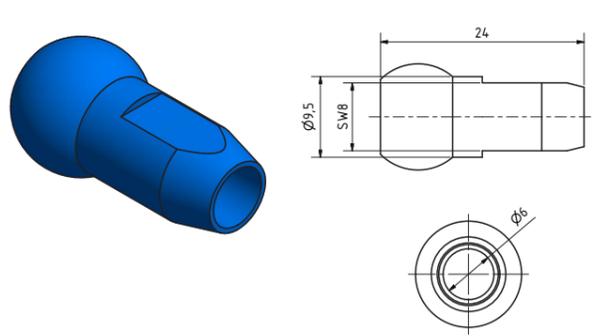
Düse  $\phi$  2,0mm

Best-1-DUE-130



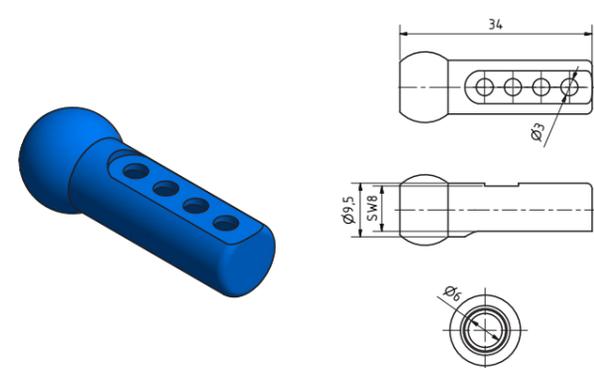
Düse  $\phi$  4,0mm

Best-1-DUE-140



Düse  $\phi$  6,0mm

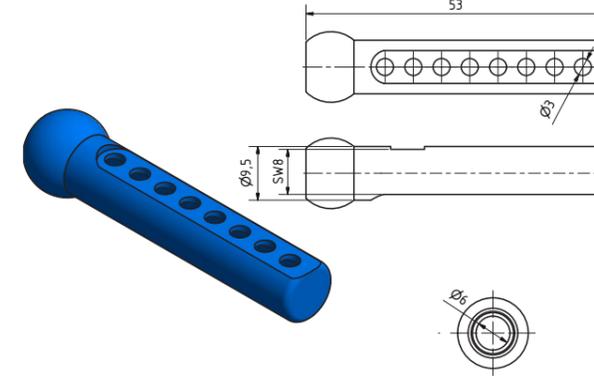
Best-1-DUE-150



Düse 4x Bohrung (34mm)

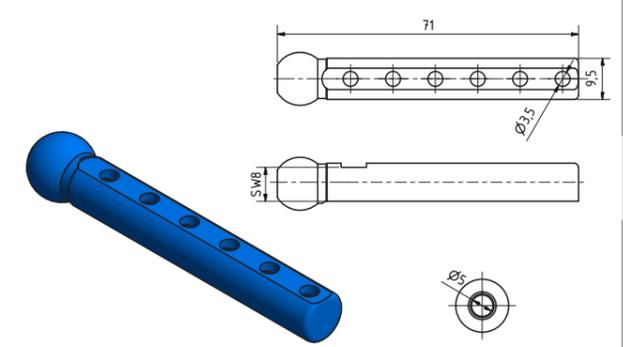
**Best-1**  
Düsen

Best-1-DUE-160



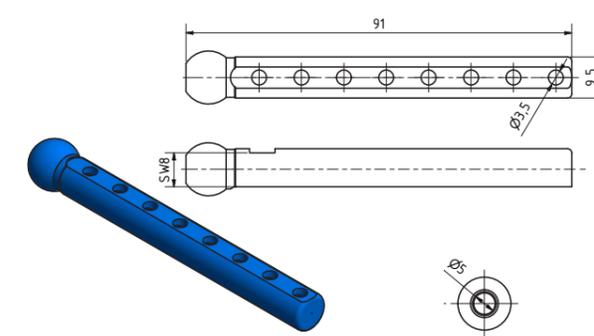
Düse 8x Bohrung (53mm)

Best-1-DUE-180



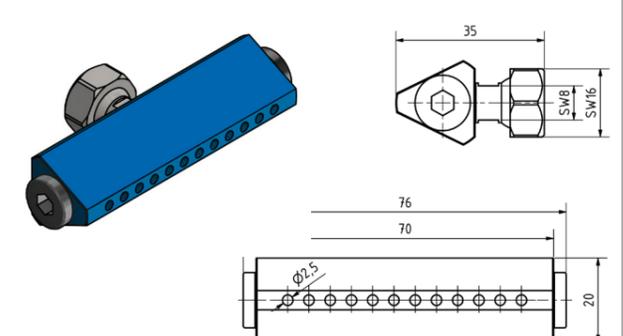
Düse 6x Bohrung (71mm)

Best-1-DUE-190



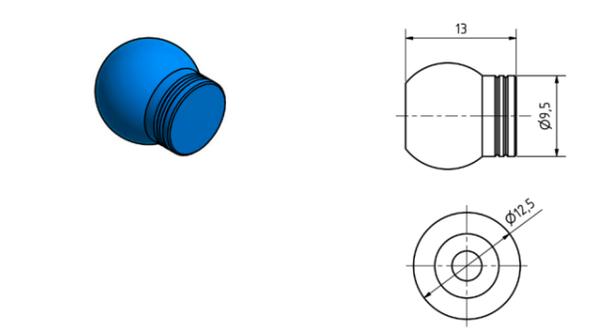
Düse 8x Bohrung (91mm)

Best-1-AK-100



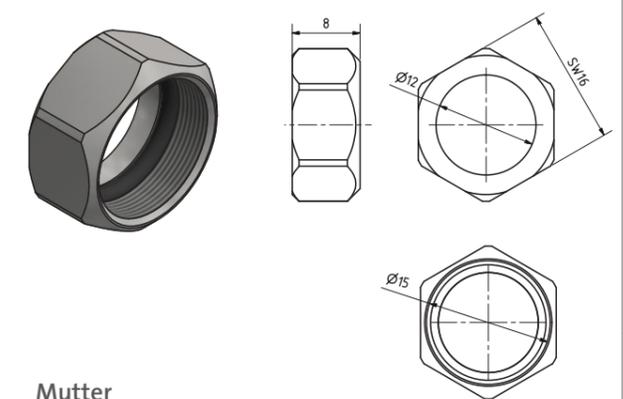
Alleskönner 12x Bohrung  $\phi$ 2,5 (inkl. Mutter)

Best-1-BL-100



Blindstopfen

Best-1-BS-103

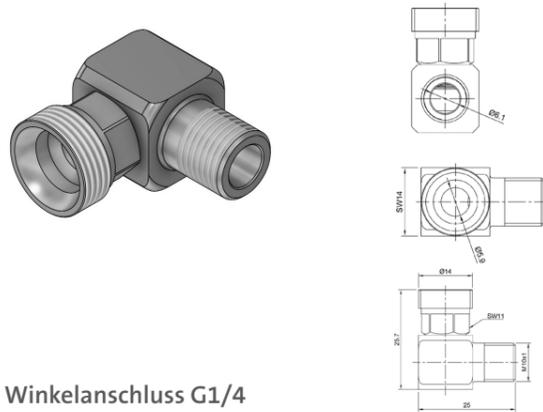


Mutter

**Best-1**

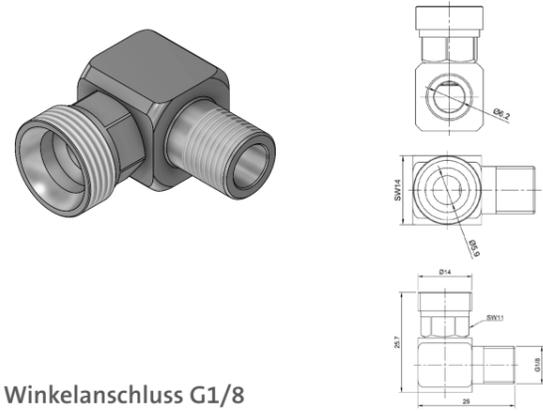
Winkelanschlüsse

Best-1-WS-G1/4



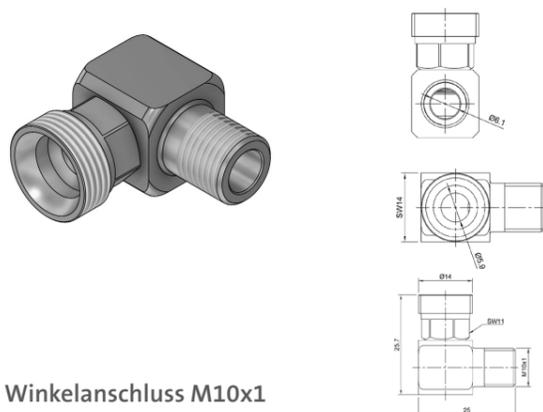
Winkelanschluss G1/4

Best-1-WS-G1/8



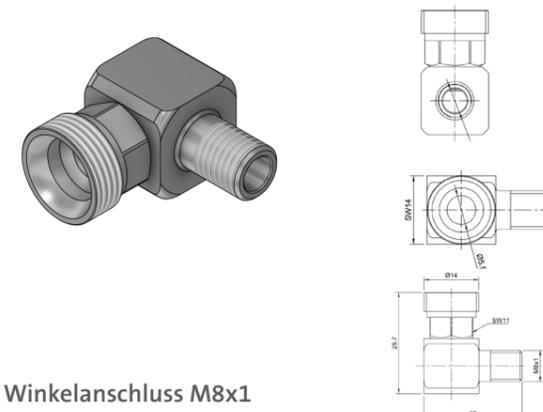
Winkelanschluss G1/8

Best-1-WS-M10x1



Winkelanschluss M10x1

Best-1-WS-M8x1

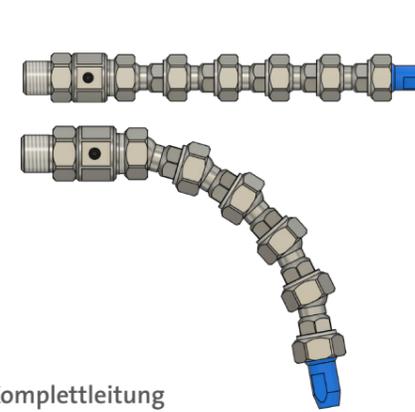


Winkelanschluss M8x1

**Best-1**

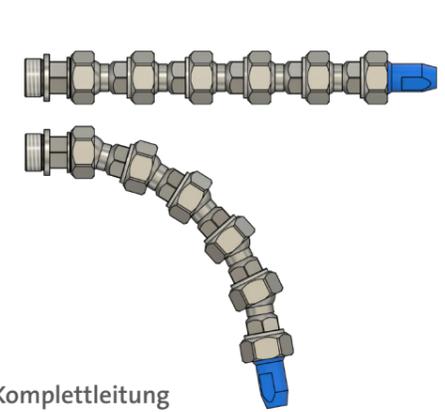
Komplettleitungen

Best-1-LG-135-SA



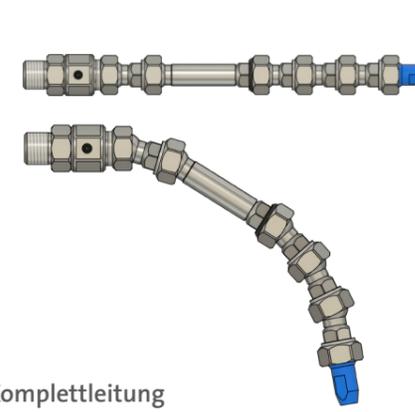
Komplettleitung

Best-1-LG-135



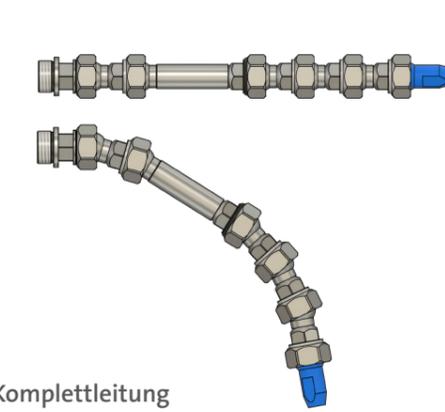
Komplettleitung

Best-1-LG-165-SA



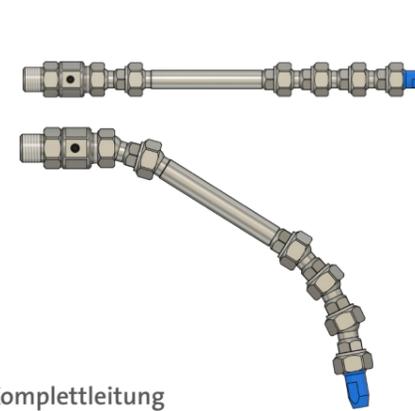
Komplettleitung

Best-1-LG-165



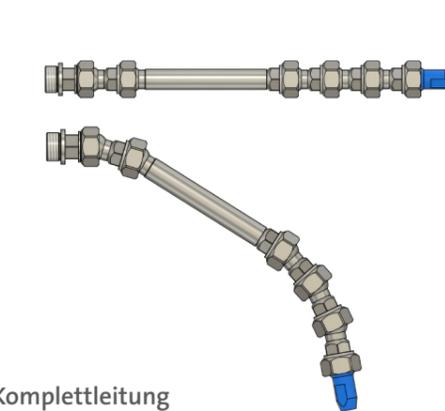
Komplettleitung

Best-1-LG-195-SA



Komplettleitung

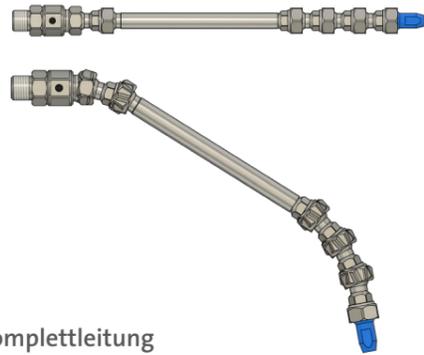
Best-1-LG-195



Komplettleitung

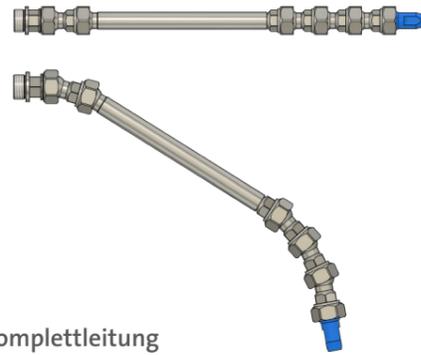
## Best-1 Komplettleitungen

Best-1-LG-235-SA



Komplettleitung

Best-1-LG-235

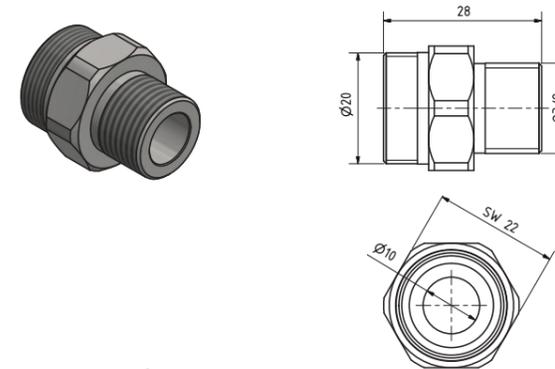


Komplettleitung

Bei Bestellung bitte die gewünschte Adapter- und Düsengröße angeben.

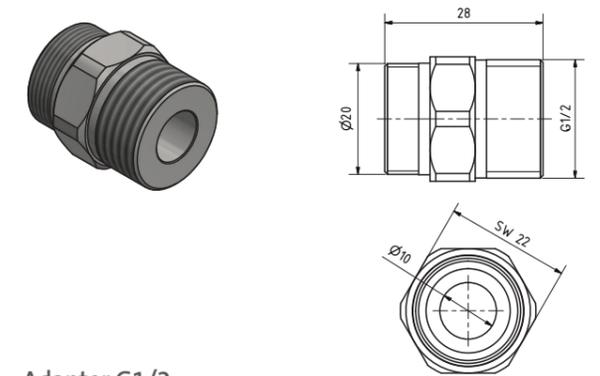
## Best-2 Anschlüsse

Best-2-AD-110



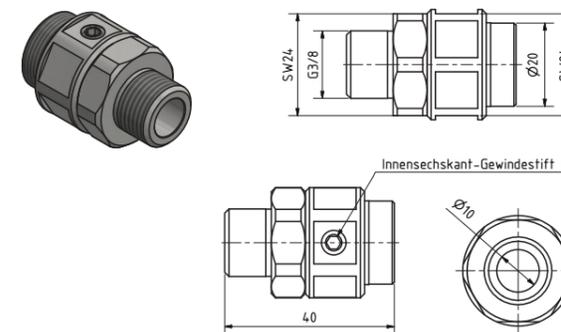
Adapter G3/8

Best-2-AD-120



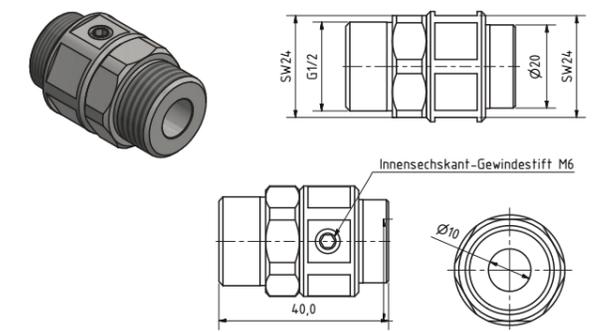
Adapter G1/2

Best-2-AD-150



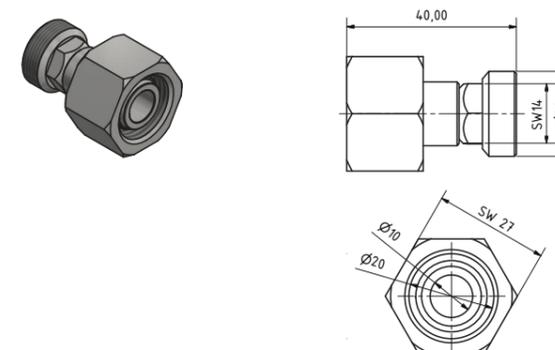
Schnelladapter G3/8

Best-2-AD-160



Schnelladapter G1/2

Best-2-HYD-XX



Hydraulikanschluss 40mm

Ausführungen:

xx (Länge)

10 = 40 mm

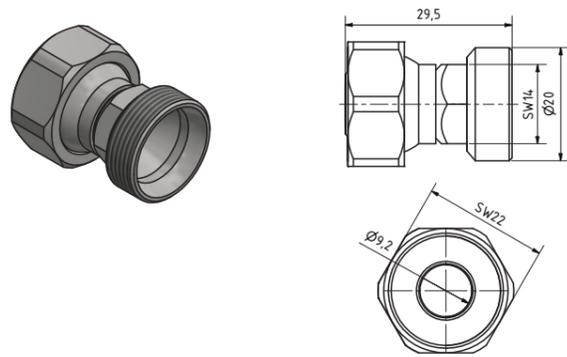
30 = 70 mm

60 = 100 mm

100 = 140 mm

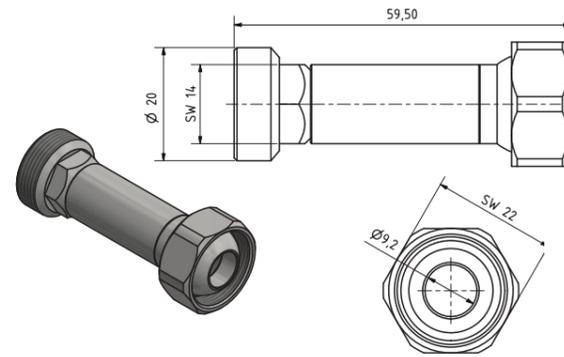
**Best-2**  
Basisstücke

Best-2-BS-100



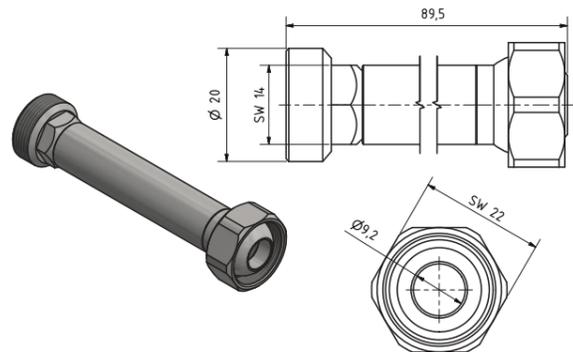
Basisstück 29,50mm

Best-2-BS-130



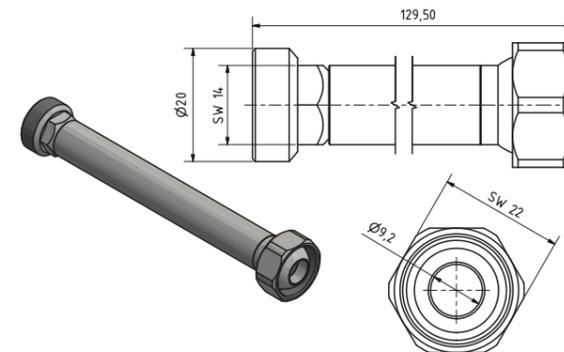
Basisstück 59,50mm

Best-2-BS-120



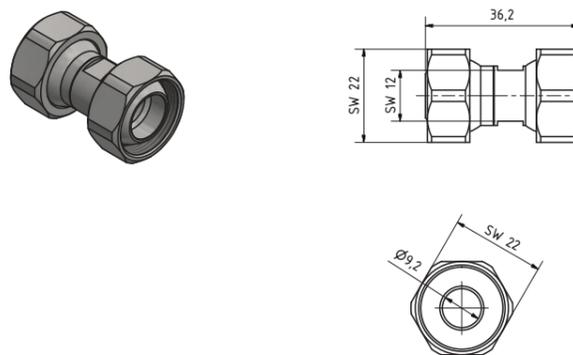
Basisstück 89,50mm

Best-2-BS-110



Basisstück 129,50mm

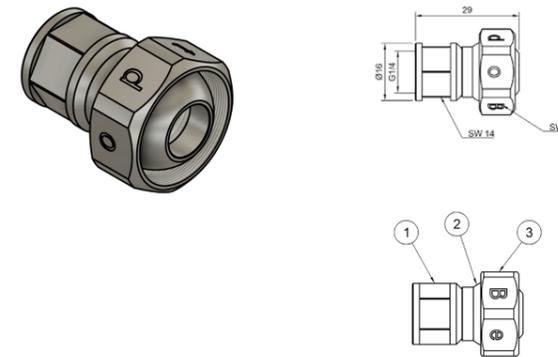
Best-2-AD-140



Doppelkugelgelenk

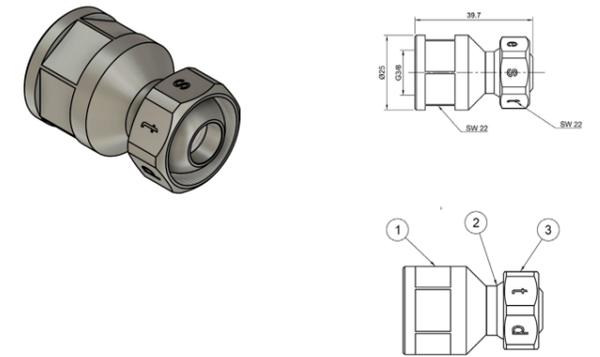
**Best-2**  
Basisstücke

Best-2-BS-100-1/4-IG



Basisstück 29mm

Best-2-BS-100-3/8-IG



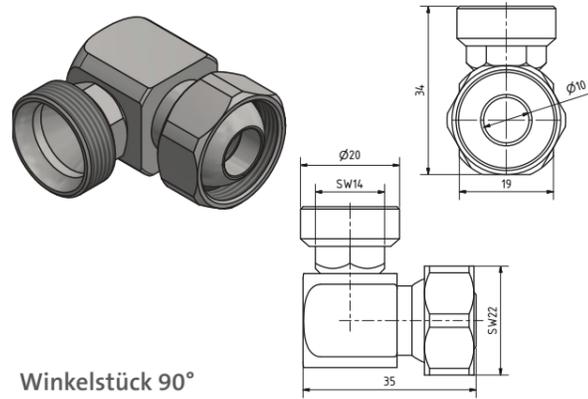
Basisstück 39,7mm

Zur Anbringung von Düsen externer Anbieter.

**Best-2**

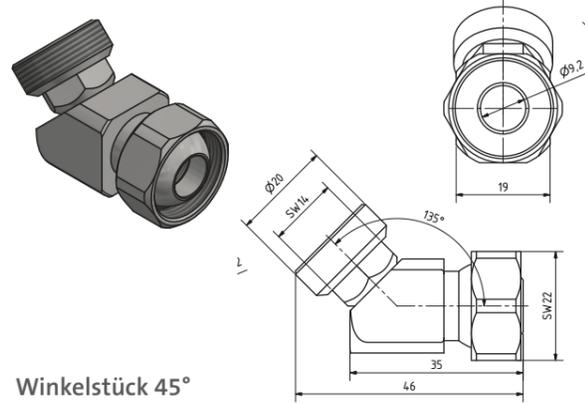
Winkelstücke / Reduzierungen auf Best-1

Best-2-WS-100



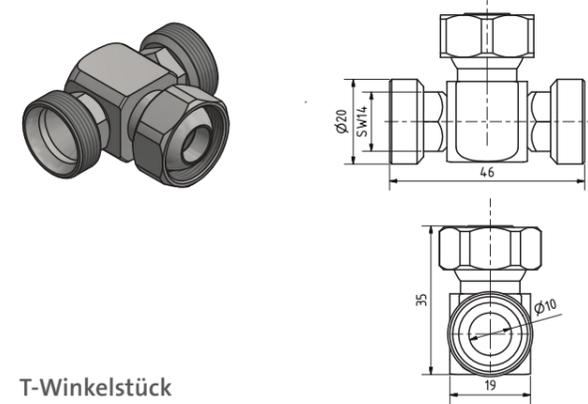
Winkelstück 90°

Best-2-WS-600



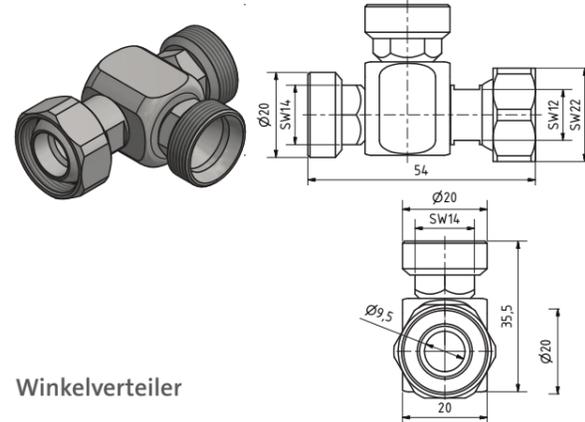
Winkelstück 45°

Best-2-WS-200



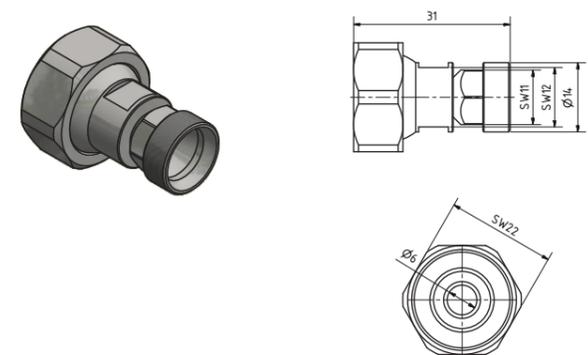
T-Winkelstück

Best-2-WS-700



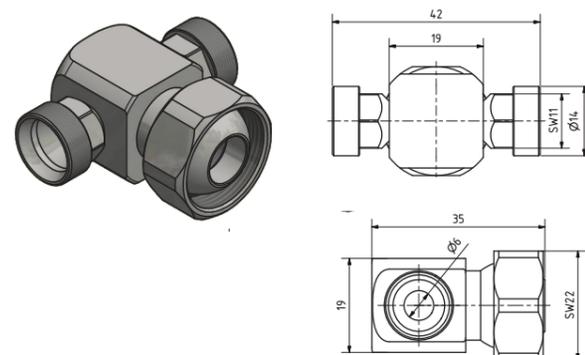
Winkelverteiler

Best-2-RED-100



Reduzierung Best-2 auf Best-1

Best-2-WS-500

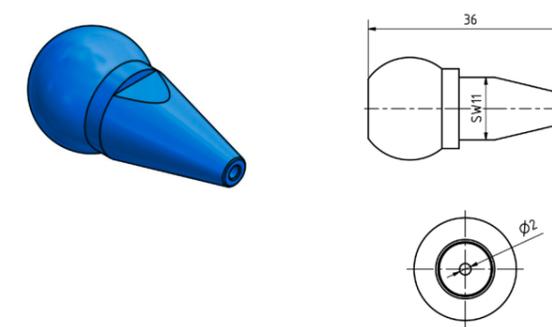


T-Winkel Reduzierung auf 2 x Best-1

**Best-2**

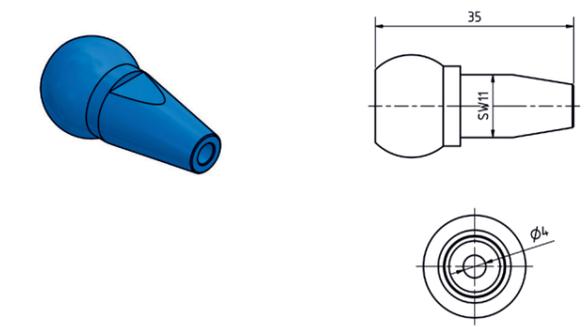
Düsen

Best-2-DUE-100



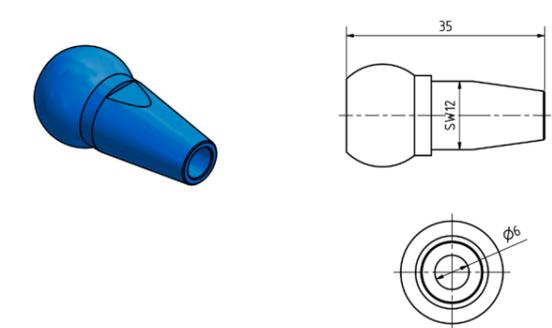
Düse  $\phi$  2,0  
Aluminium farbig

Best-2-DUE-110



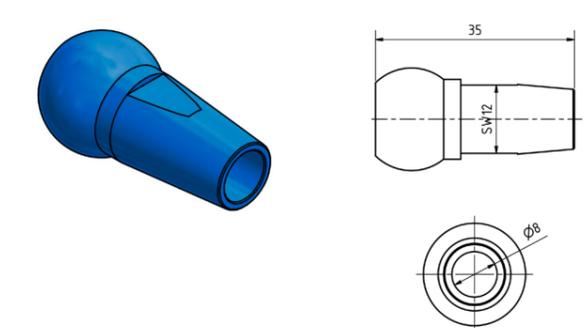
Düse  $\phi$  4,0  
Aluminium farbig

Best-2-DUE-140



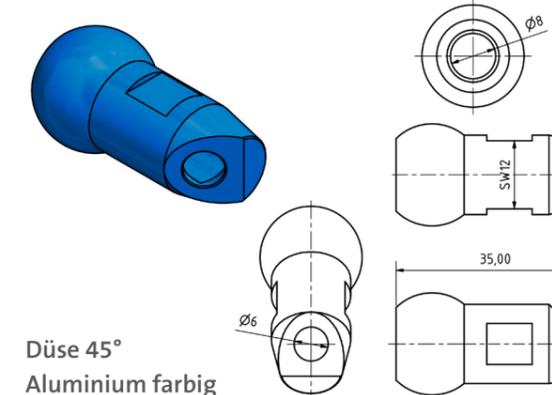
Düse  $\phi$  6,0  
Aluminium farbig

Best-2-DUE-120



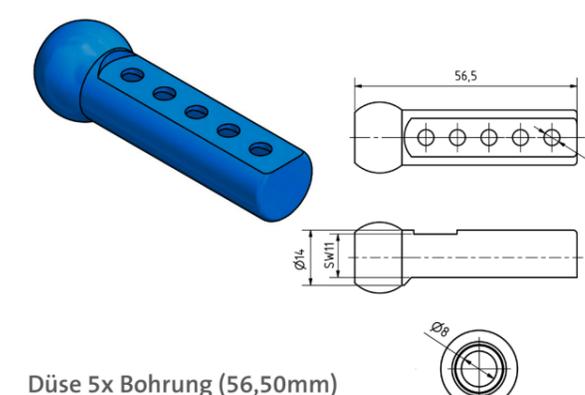
Düse  $\phi$  8,0  
Aluminium farbig

Best-2-DUE-150



Düse 45°  
Aluminium farbig

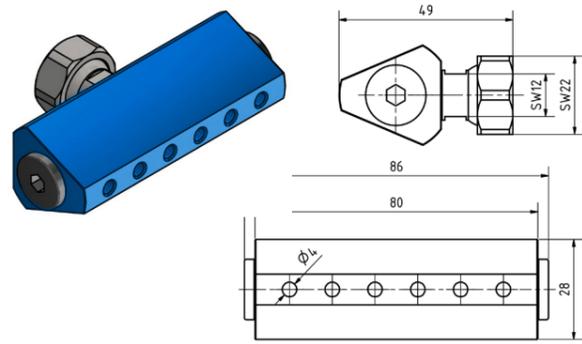
Best-2-DUE-130



Düse 5x Bohrung (56,50mm)

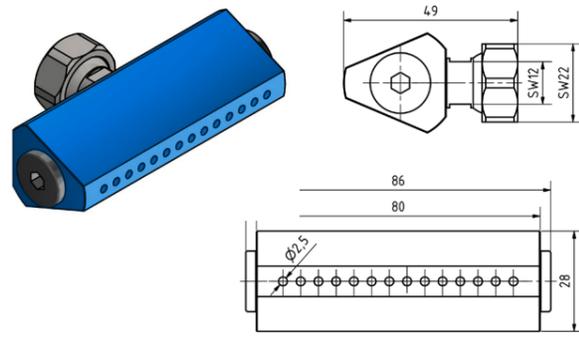
**Best-2**  
Düsen

Best-2-AK-100



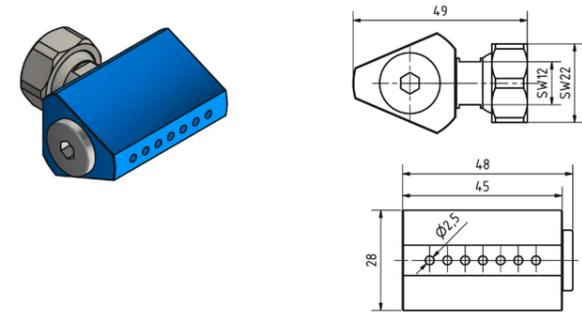
Alleskönner 6x Bohrung  $\varnothing$  4,0mm

Best-2-AK-200



Alleskönner 14x Bohrung  $\varnothing$  2,50mm

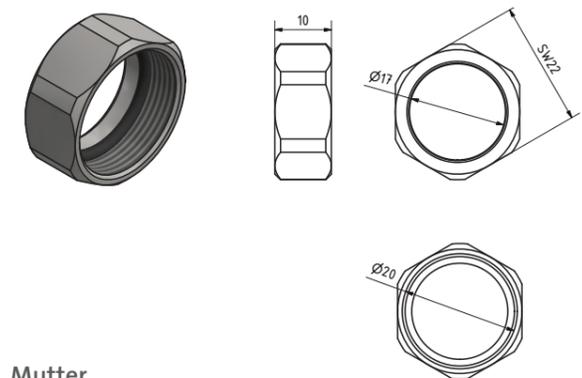
Best-2-AK-300



Alleskönner 7x Bohrung  $\varnothing$  2,50mm

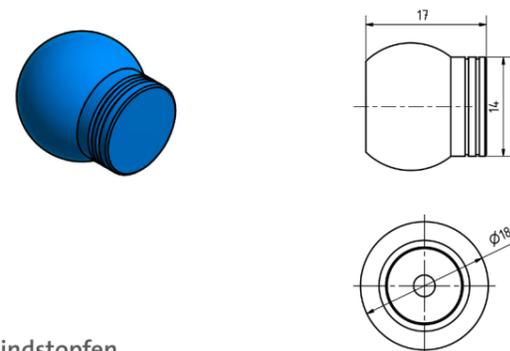
Alle Alleskönner inkl. Mutter

Best-2-BS-103



Mutter

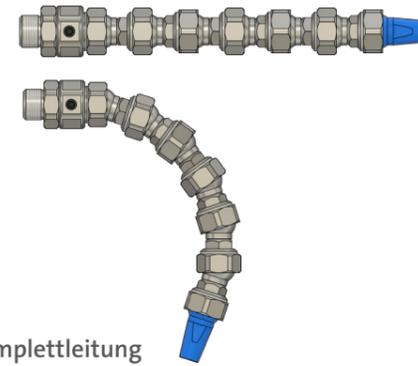
Best-2-BL-100



Blindstopfen  
Aluminium farbig

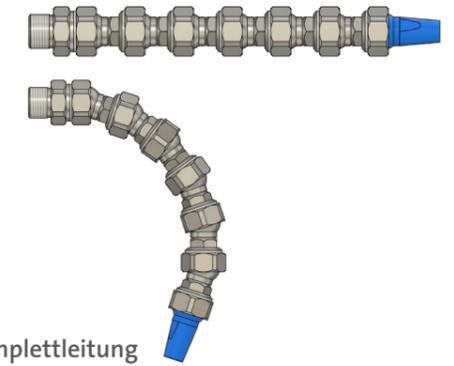
**Best-2**  
Komplettleitungen

Best-2-LG-190-SA



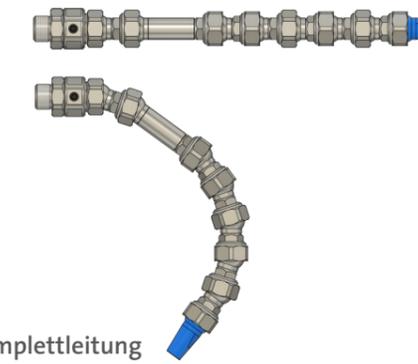
Komplettleitung

Best-2-LG-190



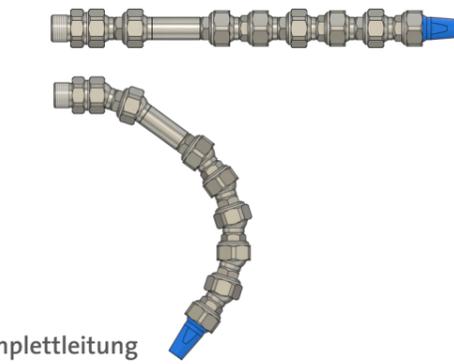
Komplettleitung

Best-2-LG-245-SA



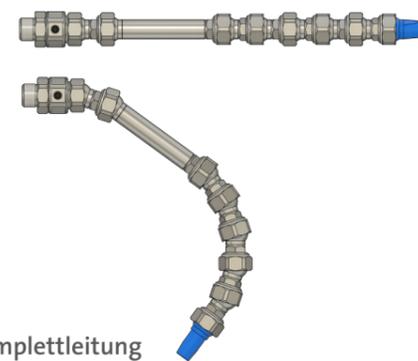
Komplettleitung

Best-2-LG-245



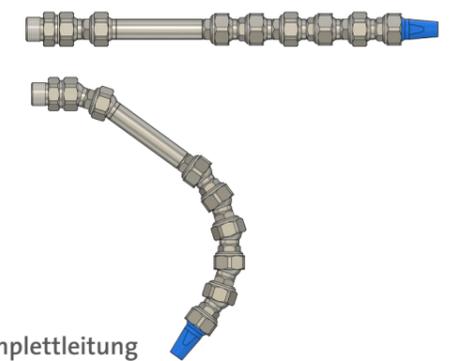
Komplettleitung

Best-2-LG-275-SA



Komplettleitung

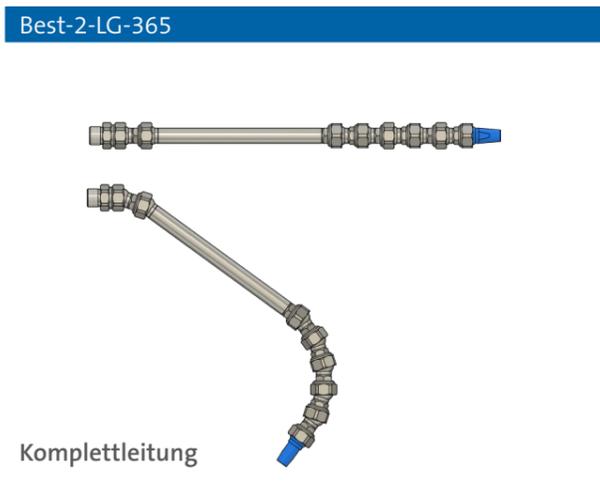
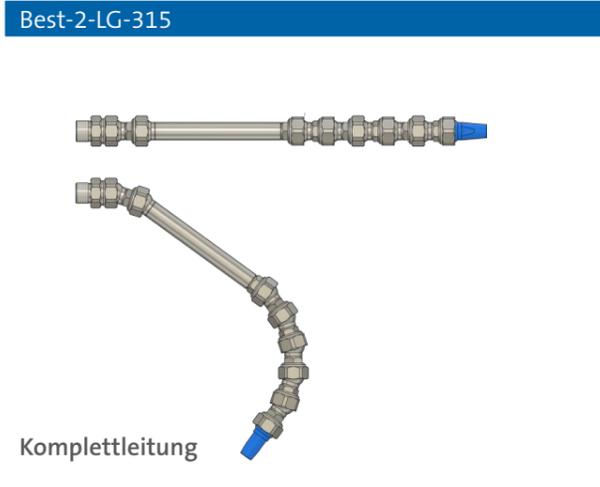
Best-2-LG-275



Komplettleitung

**Best-2**

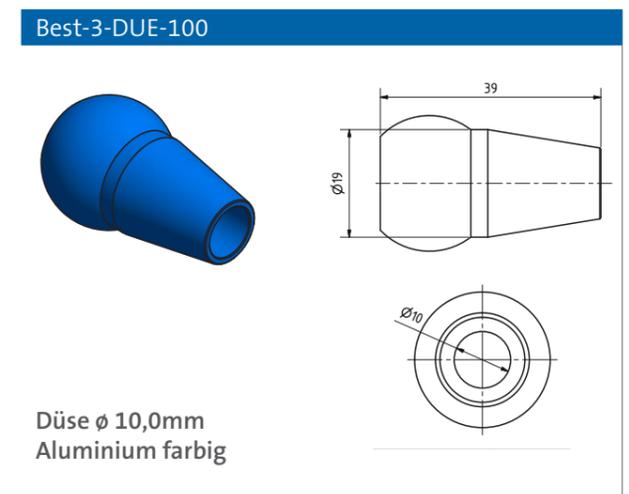
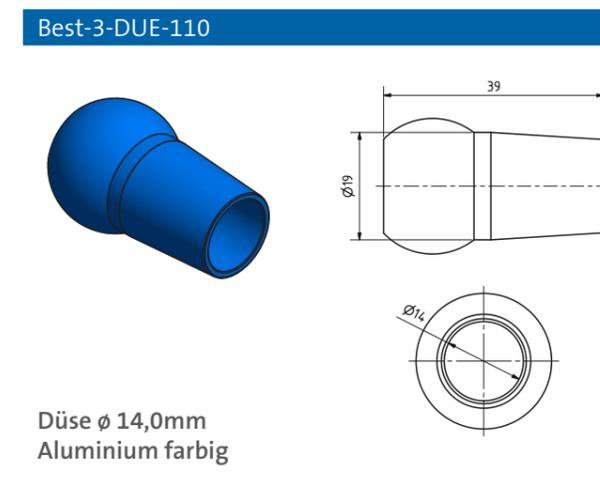
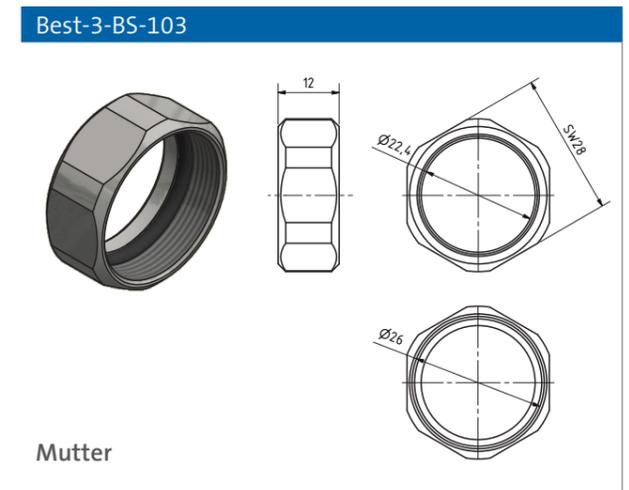
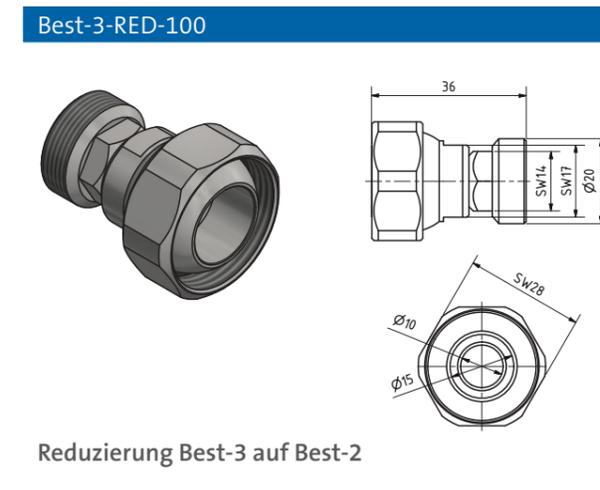
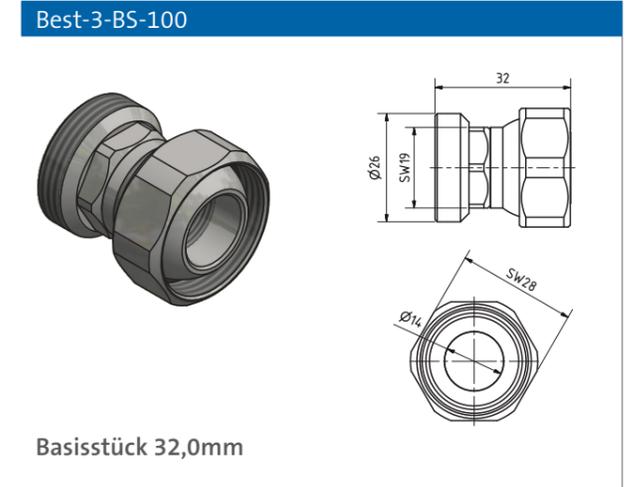
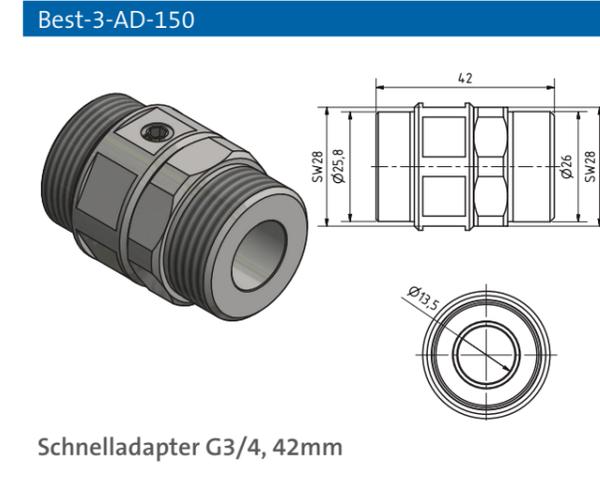
**Komplettleitungen**



Bei Bestellung bitte die gewünschte Adapter- und Düsengröße angeben.

**Best-3**

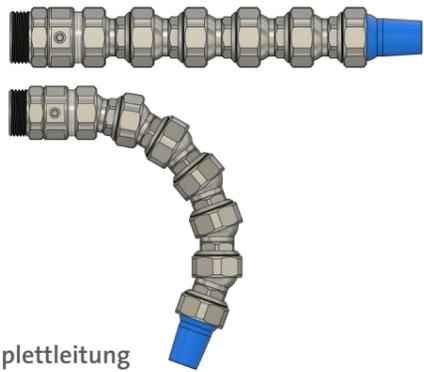
**Anschlüsse / Basisstücke / Reduzierungen auf Best-2 / Düsen**



## Best-3

### Komplettleitungen

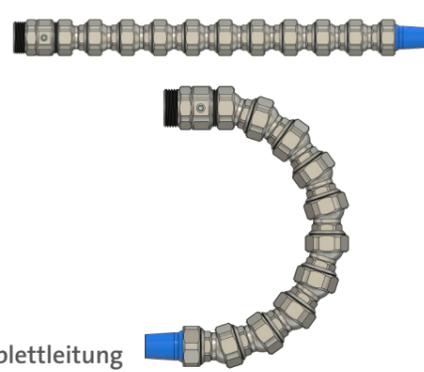
Best-3-LG-205



Komplettleitung

Bei Bestellung bitte die gewünschte  
Düsengröße angeben.

Best-3-LG-335



Komplettleitung

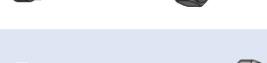
## Bestdo Sets

### Best-1 / Set 1

| Best-1 SET 1  | Artikelnummer  | Bezeichnung      | Anzahl |
|---|----------------|------------------|--------|
|    | Best-1-AD-100  | Adapter G1/4     | 2      |
|    | Best-1-AD-110  | Adapter G1/8     | 2      |
|    | Best-1-AD-130  | Adapter M8x1     | 2      |
|    | Best-1-AD-200  | Adapter M10x1    | 2      |
|    | Best-1-BS-100  | Basisstück 25mm  | 10     |
|    | Best-1-BS-130  | Basisstück 55mm  | 2      |
|  | Best-1-BS-120  | Basisstück 85mm  | 1      |
|  | Best-1-BS-110  | Basisstück 125mm | 1      |
|  | Best-1-WS-100  | Winkelstück 90°  | 1      |
|  | Best-1-DUE-130 | Düse Ø4          | 2      |
|  | Best-1-DUE-140 | Düse Ø6          | 2      |
|  | Best-1-BS-103  | Mutter           | 4      |

## Bestdo Sets

### Best-1 / Set 2

| Best-1 SET 2  | Artikelnummer    | Bezeichnung         | Anzahl |
|---|------------------|---------------------|--------|
|    | Best-1-AD-100    | Adapter G1/4        | 5      |
|    | Best-1-AD-110    | Adapter G1/8        | 5      |
|    | Best-1-AD-150    | Schnelladapter G1/4 | 2      |
|    | Best-1-AD-160    | Schnelladapter G1/8 | 2      |
|    | Best-1-AD-130    | Adapter M8x1        | 2      |
|    | Best-1-AD-200    | Adapter M10x1       | 2      |
|  | Best-1-BS-100    | Basisstück 25mm     | 25     |
|  | Best-1-BS-130    | Basisstück 55mm     | 2      |
|  | Best-1-BS-120    | Basisstück 85mm     | 2      |
|  | Best-1-BS-110    | Basisstück 125mm    | 2      |
|  | Best-1-WS-100    | Winkelstück 90°     | 2      |
|  | Best-1-WS-600    | Winkelstück 45°     | 2      |
|  | Best-1-DUE-130   | Düse Ø4             | 5      |
|  | Best-1-DUE-140   | Düse Ø6             | 5      |
|  | Best-1-DUE-170-4 | Düse 45°            | 2      |
|  | Best-1-BS-103    | Mutter              | 12     |

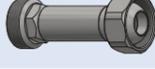
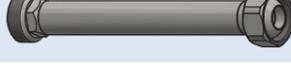
## Bestdo Sets

### Best-2 / Set 1

| Best-2 SET 1  | Artikelnummer  | Bezeichnung         | Anzahl |
|---|----------------|---------------------|--------|
|    | Best-2-AD-110  | Adapter G3/8        | 2      |
|    | Best-2-AD-120  | Adapter G1/2        | 2      |
|    | Best-2-BS-100  | Basisstück 29,50mm  | 10     |
|    | Best-2-BS-130  | Basisstück 59,50mm  | 1      |
|    | Best-2-BS-120  | Basisstück 89,50mm  | 1      |
|    | Best-2-BS-110  | Basisstück 129,50mm | 1      |
|  | Best-2-WS-100  | Winkelstück 90°     | 1      |
|  | Best-2-DUE-110 | Düse Ø4             | 2      |
|  | Best-2-DUE-140 | Düse Ø6             | 2      |
|  | Best-1-BS-103  | Mutter              | 4      |

## Bestdo Sets

### Best-2 / Set 2

| Best-2 SET 2  | Artikelnummer  | Bezeichnung         | Anzahl |
|---|----------------|---------------------|--------|
|    | Best-2-AD-110  | Adapter G3/8        | 5      |
|    | Best-2-AD-120  | Adapter G1/2        | 5      |
|    | Best-2-AD-150  | Schnelladapter G3/8 | 2      |
|    | Best-2-AD-160  | Schnelladapter G1/2 | 2      |
|    | Best-2-BS-100  | Basisstück 29,50mm  | 25     |
|   | Best-2-BS-130  | Basisstück 59,50mm  | 2      |
|  | Best-2-BS-120  | Basisstück 89,50mm  | 2      |
|  | Best-2-BS-110  | Basisstück 129,50mm | 2      |
|  | Best-2-BS-140  | Basisstück 179,50   | 1      |
|  | Best-2-WS-100  | Winkelstück 90°     | 2      |
|  | Best-2-WS-600  | Winkelstück 45°     | 2      |
|  | Best-2-DUE-110 | Düse Ø4             | 5      |
|  | Best-2-DUE-140 | Düse Ø6             | 5      |
|  | Best-1-BS-103  | Mutter              | 10     |

## Spezialdüsen

### Spitzdüsen

#### Energiespardüse 1200SSF, einstellbar



1200 1/8 | 1200 1/4

#### Power Düse 1210



1220-1

#### Spitzdüse auf Kupferrohr AD 1/4



1201 & 1205-2

#### Spitzdüse auf Kupferrohr AD 3/8



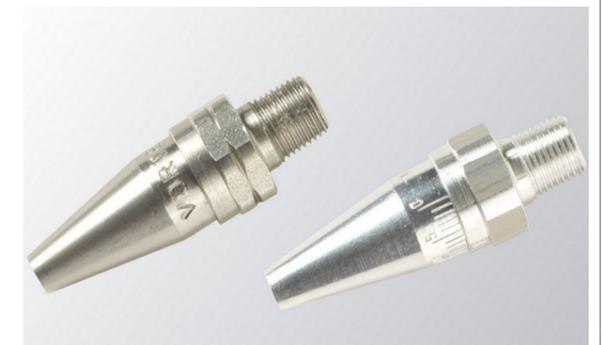
1203 | 1205

#### Mega Düse 1220



1220

#### Energiespardüse mit Skala, einstellbar



1200SSBSP | 1200BSP

**Spezialdüsen**  
Flachdüsen

45°-Flachdüse 25mm



921-25S | 921-25SNi

45°-Flachdüse 50mm | 45°-Flachdüse 90 mm



921-50S | 921-50SNi

45°-Flachdüse 90 mm



921-90S | 921-90SNi

Flachdüse 150mm



921-6F | 921-6FNI | 921-6F SS

Flachdüse 300mm



921-12F | 921-12FNI | 921-12F SS

Flachdüse 35mm



921-1 | 921-1NI | 921-1SS

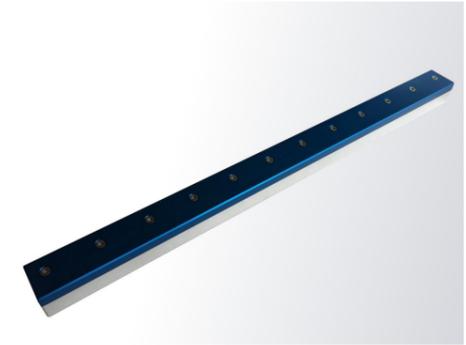
**Spezialdüsen**  
Flachdüsen

Flachdüse 60mm



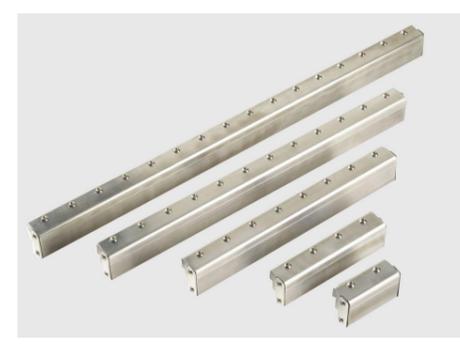
921-2 | 921-2Ni | 921-2 SS

Flachdüse 500mm



921-20F | 921-20FNI | 921-20F SS

Vorhangtransvectoren 160, 310, 462, 615mm Länge



Edelstahl, 921SS | 922SS | 924SS | 923SS

Vorhangtransvectoren 76, 152, 305, 457, 610mm Länge



Aluminium, 921-03 BSP | 921-06 BSP | 921-12 BSP | 921-18 BSP | 921-24 BSP



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GERMANY**