

## Price list F - Flange systems and accessories

### Bleyer connection pieces:



This flange system consists of one flange with and one without a collar and the corresponding connecting pliers.

The collar of the "male" connection piece is used for centering and simple connection of the two flanges.

This also provides a "flow direction" for the exhaust medium, which reduces turbulence.

The flange with collar has an integrated high-temperature resistant graphite gasket.

**This system is compatible with Marman flanges (EPA flanges)!**

Item number:	Name:	Description:	Picture:
10400-1	Connection piece with collar incl. graphite seal (item no. 28000)	Inner diameter: 52 mm / 2 " per piece	
10400-2	Connection piece without collar	Inner diameter: 52 mm / 2 " per piece	
10450-1	Connection piece with collar incl. graphite seal (item no. 28000)	Inner diameter 64 mm / 2,5 " per piece	
10450-2	Connection piece without collar	Inner diameter 64 mm / 2,5 " per piece	
10455-1	Connection piece with collar incl. graphite seal (item no. 28001)	Inner diameter 100 mm / 4" per piece	
10455-2	Connection piece without collar	Inner diameter 100 mm / 4" per piece	
10456-1	Connection piece with collar incl. graphite seal (item no. 28002)	Inner diameter 125 mm / 5 " per piece	
10456-2	Connection piece without collar	Inner diameter 125 mm / 5 " per piece	
10500-1	Connection piece with collar incl. graphite seal (item no. 28000)	Inner diameter 72 mm / 3 " per piece	
10500-2	Connection piece without collar	Inner diameter 72 mm / 3 " per piece	
10501-1	Connection piece with collar incl. graphite seal (item no. 28001)	Inner diameter 90 mm / 3,5 " per piece	
10501-2	Connection piece without collar	Inner diameter 90 mm / 3,5 " per piece	

### Accessories:

#### Pliers for connecting the respective connectors:


#### System clamping pliers:

These pliers are similar to grip pliers with two half-shells.

Due to their handling-friendly design, this version is often used for quick set-up on the test bench.

For this purpose, the two half-shells and the flange surfaces are placed and the pliers are clamped.



Item number:	Name:	Description:	Picture:
10100A	System clamping pliers for item no. 10400-1 and 10400-2	Inner diameter 52 mm / 2" per piece	
10100B	System clamping pliers for item no. 10500-1 and 10500-2	Inner diameter 72 mm / 3" per piece	
10100C	System clamping pliers for item no. 10450-1 and 10450-2	Inner diameter 64 mm / 2,5" per piece	
10100E	System clamping pliers for item no. 10455-1 and 10455-2	Inner diameter 100 mm / 4" per piece	
10100F	System clamping pliers for item no. 10456-1 and 10456-2	Inner diameter 125 mm / 5" per piece	
10100I	System clamping pliers for item no. 10501-1 and 10501-2	Inner diameter 90 mm / 3,5" per piece	

Clamp pliers:  
Two half-shells are closed with a connecting link and a handle.  
Due to their compact design, this version is often used in confined spaces, for example on engine test benches.  
  
Optionally with additional safety device for RDE driving, see accessories




Item number:	Name:	Description:	Picture:
20200A	Clamp pliers for item no. 10400-1 and 10400-2	Inner diameter 52 mm / 2" per piece	
20200B	Clamp pliers for item no. 10500-1 and 10500-2	Inner diameter 72 mm / 3" per piece	
20200C	Clamp pliers for item no. 10450-1 and 10450-2	Inner diameter 64 mm / 2,5" (US-version) per piece	
20200E	Clamp pliers for item no. 10455-1 and 10455-2	Inner diameter 100 mm / 4" per piece	
20200F	Clamp pliers for item no. 10456-1 and 10456-2	Inner diameter 125 mm / 5" per piece	
20200H	Clamp pliers for item no. 10501-1 and 10501-2	Inner diameter 90 mm / 3,5" per piece	

General accessories/spare parts



Item number:	Name:	Description:	Picture:
AZ-BKZ-SI	Additional safety device for clamp pliers	Prevents unintentional loosening of the clamp pliers for example during RDE rides. The picture shows a clamp with the additional safety device and two connecting pieces.	
28000	Graphite gasket	for connection pieces Inner diameter from 52 - 72 mm (2" - 3") for the father part with collar	
28001	Graphite gasket	for connection pieces Inner diameter from 90 - 100 mm (3,5" - 4") for the father part with collar	
28002	Graphite gasket	for connection pieces From inner diameter 125 mm ( from 4,5") for the father part with collar	

Kamlock connection pieces:  
The system is a lever arm coupling.

Item number:	Name:	Description:	Picture:
Cam-2017-2,5	Camlock connection piece (male)	Inner diameter 56 mm, 2,5" Material 1.4301	
Cam-2017-2,5-Dose	Camlock connection socket (female)	For inner diameter 56 mm, 2,5" with internal seal and two clamping levers	


Cam-2017-2,5-Dose	Camlock connection socket with Safelok (female)	For inner diameter 56 mm, 2,5" with internal seal and two clamping levers with safety catch	
-------------------	---	--	---

**Aschheim connecting pieces:**  
This flange is used by BMW at the Steyr and Aschheim factories.


Item number:	Name:	Description:	Picture:
AS-AS/ST-M-2,5	Aschheim connection piece (male)	Inner diameter 60 mm, 2,5" Material 1.4301	
AS-AS/ST-W-2,5	Cinder connection socket (female)	For inner diameter 65 mm, 2,5" Material 1.4301	


Marman flange/ EPA flange:

With this system there is no "flow direction" as both connectors are identical and can therefore be used universally.

Item number:	Name:	Description:	Picture:
AS-Marman-2,5	Marman flange, unisex	Inner diameter 60 mm, 2,5"	
AS-Marman-3,0	Marman flange, unisex	Inner diameter 72 mm, 3"	

Tanker coupling:

Item number:	Name:	Description:	Picture:
AS-TW-MK80	Tanker coupling, female	Crown piece with lever side and seal, MK 80	

AS-TW-VK80	Tanker coupling, male	Counterpart with seal, VK 80	
------------	-----------------------	------------------------------	---