



AVK SUPA MAXI™ STRAIGHT COUPLING, PN16

631/00

Universal and tensile, A4 bolts, EPDM sealings

AVK's Supa Maxi™ range of universal tensile couplings sets a new standard. The patented SupaGrip™ sealing support system with flexible bracket ensures full support of the gasket and full tensile strength on all pipe types up to PN16. Supa Maxi™ couplings are very easy to mount with the possibility of $\pm 4^\circ$ angular deflection, the permanent protection caps, the lifting eye and the fact that they are tightened from the sleeve side with no need for re-tightening the bolts.

Description:

Supa Maxi™ straight coupling - universal & tensile - A4 bolts and nuts for drinking water and neutral liquids
-30°C to +70°C

Standards:

- Designed according to EN 14525

Tests/Approvals:

- Approved according to KIWA Certificate K 66561/01
- Approved to ÖVGW Certificate W 1.604
- Approved according to SVGW Certificate No. 1205-6041

Features:

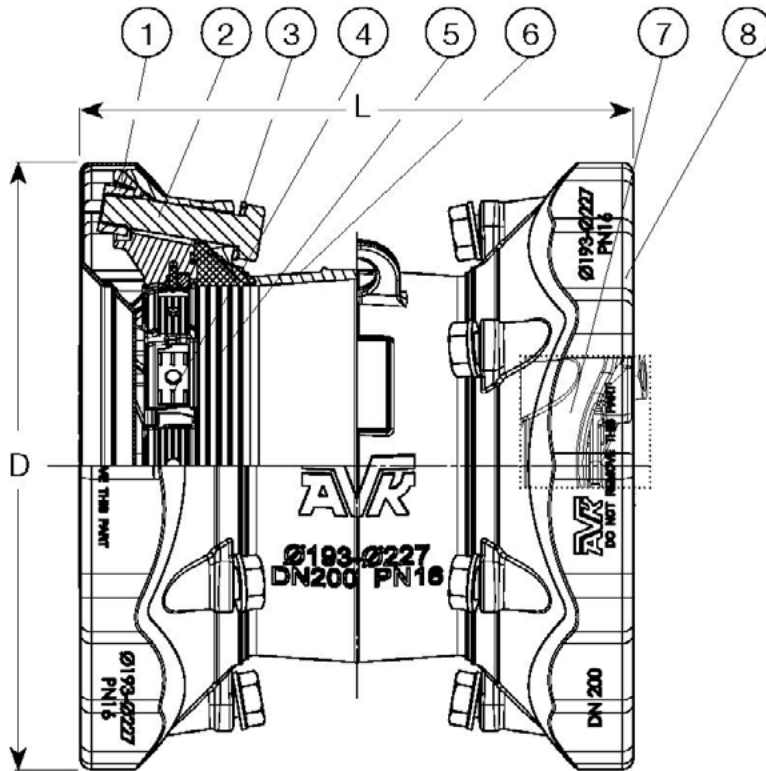
- Patented SupaGrip™ sealing support system with flexible bracket ensures full support of the gasket even at minimum pipe size
- Full tensile strength on all pipes is ensured by two different metal grip segments - every other of gunmetal for PE/PVC and of hardened Stainless Steel for Cast Iron/Ductile Iron/Steel/Stainless Steel/GRP/asbestos cement pipes. For PE-pipes a support bush is to be used
- Metal grip segments are mounted with pins for maximum durability
- $\pm 4^\circ$ angular deflection on each side at max. 1.5 x PN16
- Large tolerance ranges
- All DN's are for PN16 (Stainless Steel, AC, Bi-PVC, and CFW GRP pipes max. PN10)
- Ductile Iron body and bracket of Cast Steel, epoxy coated according to DIN 30677-2 and GSK approved
- Gasket of drinking water approved EPDM rubber
- Bolts and nuts of acid-resistant Stainless Steel A4 are anti-friction coated to prevent galling
- Permanent protection caps protect the coupling during handling and installation
- The pipe will not move inwards when tightening
- Bolts are tightened from the sleeve side for full access when space is limited
- Re-tightening of bolts is not necessary
- Lifting eye in DN100-400
- Design pressure 29 bar according to EN 14525 (DN400: 27 bar for PE-pipes). Working pressure max. 16 bar. Max. test pressure according to pipe standard



kiwa



Expect... **AVK**



DN	
50	3 x M14 x 75mm
65	3 x M16 x 75mm
80	3 x M16 x 75mm
100	4 x M16 x 75mm
125	4 x M16 x 75mm
150	4 x M16 x 90mm
200	6 x M20 x 100mm
225	6 x M20 x 100mm
250	6 x M20 x 100mm
300	6 x M20 x 100mm

Component list

1. Nut	Acid resistant Stainless Steel A4	5. Gasket	DVGW/NF approved EPDM rubber
2. Bolt	Acid resistant Stainless Steel A4	6. Sleeve	Ductile Iron GJS-450 (GGG-45)
3. Washer	Acid resistant Stainless Steel A4	7. Bracket	Cast Steel
4. Grip segment	Gunmetal RG5 and Stainless Steel	8. Protection cap	Recyclable PE

Components can be substituted with equivalent or higher class materials.

Reference nos. and dimensions

AVK ref. nos.	DN mm	Product PN class	T mm	L mm	D mm	Theoretic weight kg
631-071-00-63	50	PN16	48-71	255	200	6.0
631-091-00-63	65	PN16	69-91	265	226	7.0
631-106-00-63	80	PN16	82-106	268	235	7.5
631-133-00-63	100	PN16	104-133	289	268	11
631-161-00-63	125	PN16	132-161	277	285	13
631-188-00-63	150	PN16	159-188	314	340	16
631-227-00-63	200	PN16	193-227	354	389	25
631-257-00-63	225	PN16	224-257	390	437	30
631-301-00-63	250	PN16	266-301	381	476	35
631-356-00-63	300	PN16	314-356	438	575	45
631-442-00-63 ⁽¹⁾	400	PN16	392-442	526	661	91

⁽¹⁾ KIWA Approval pending