

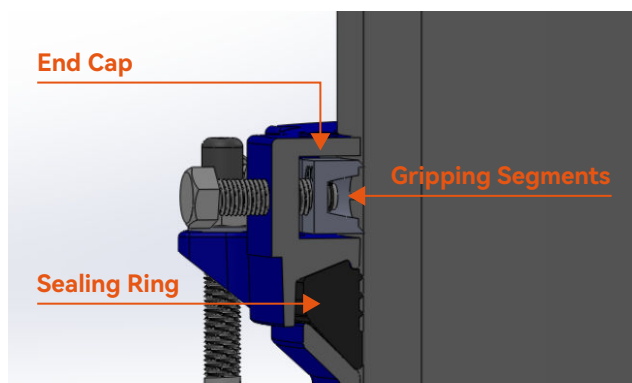
ULTRAGRIP HEAVY DUTY RESTRAINED WIDE RANGE FLANGE ADAPTOR



1. Equipped with metal toothed gripping segments, forming a high-strength mechanical restraint system capable of withstanding PN25 working pressure (hydrostatic test at 1.5× PN).

The restraint force can be further increased by adjusting the number of gripping segments and upgrading the bolt strength.

2. The end cap is designed with a locking stop feature, preventing the gripping segments from overturning under high pressure, which could otherwise lead to bolt breakage and restraint failure.



GENERAL DATA

Design Standard: EN 545

Size: DN50-DN3000

Coating Standard: EN 14901

Pressure: PN10/16/25

Medium: Water,Oil,Gas

Temperature: -40°~120°

TECHNICAL DATA

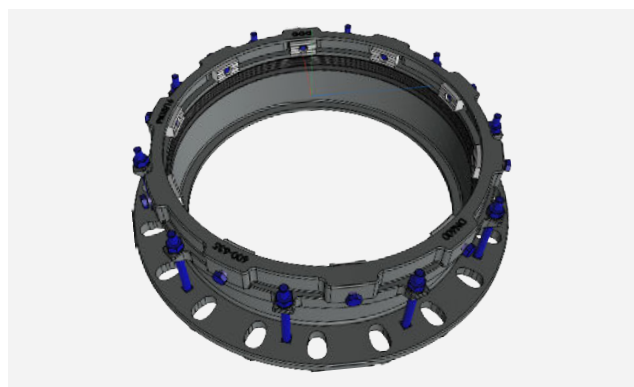
Compatible pipe types: Ductile iron, Grey cast iron, steel, PVC, AC ,GRP pipes

Maximum angular deflection: ±3°

Test Pressure: 1.5 × PN

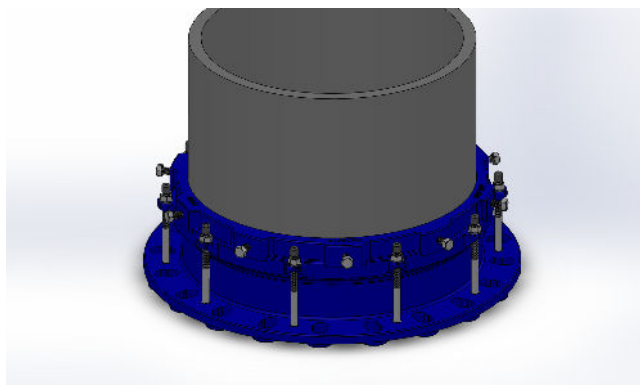
Coating Type: Fusion Bonded Epoxy/Nylon 11/Epoxy paint for C5-M environment

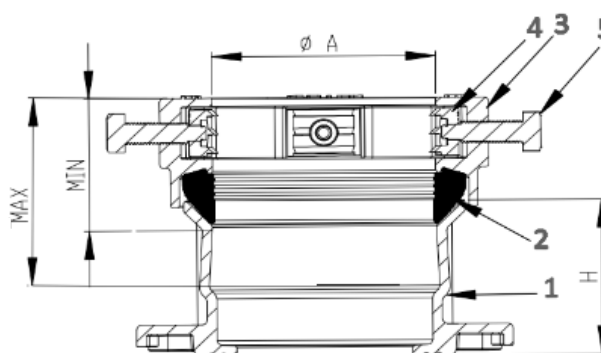
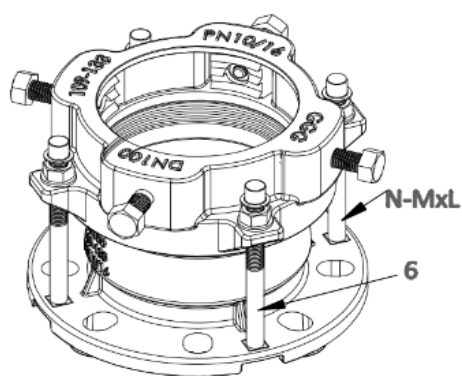
Coating Thickness: According to project and standard requirement



NORMAL COATING SPECIFICATION

PARAMETER	SPECIFICATION
Standard	EN 14901
Coating Type	Fusion Bonded Epoxy
Thickness	≥ 250 μm
Holiday Test	≥ 3000 V
Adhesion Test	ISO 4624





■ MATERIAL SPECIFICATION

ITEM NO.	PARTS	MATERIAL
1	Flange Body	Ductile Iron EN GJS450-10 according to EN1563
2	Gasket	EPDM Compound Grade E to BS EN 681-1 /Nitrile Compound to Grade G BS EN 682, Type G
3	End Ring	Ductile Iron EN GJS450-10 according to EN1563
4	Grip Wedges	Ductile Iron with Dacromet Coating no less than 8um, Carbon Steel and Brass material are also available
5	Grip Tie Rods	Carbon steel grade 10.9 with dacromet coating no less than 8um
6	Bolts	Grade 8.8 carbon steel with dacromet coating no less than 8um or Stainless Steel
7	Coating	Rilsan Nylon 11 or FBE coating(Adhesion is not less than 12 N/mm2)

DIMENSION

DN	PIPE OD RANGE	PN	NUMBER OF GRIPPER SEGMENTS	ΦA	H	MIN. PIPE INSERTION DEPTH	MAX. PIPE INSERTION DEPTH	N-MxL
DN50	58-74	PN10/16	4	77	100	85	115	4-M12x140
DN65	68-85	PN10/16	4	88	100	85	115	4-M12x140
DN80	84-106	PN10/16	4	109	100	85	115	4-M12x140
DN100	99-118	PN10/16	4	121	100	85	140	4-M12x140
DN100	109-133	PN10/16	4	136	100	85	115	4-M12x140
DN125	129-159	PN10/16	4	162	100	90	140	4-M12x150
DN150	157-182	PN10/16	4	185	110	85	125	4-M12x150
DN200	177-207	PN10/16	4	210	120	90	160	4-M12x160
DN200	194-225	PN10/16	4	228	120	90	160	4-M12x160
DN200	218-242	PN10/16	4	245	120	85	130	4-M12x160
DN250	244-276	PN10/16	6	279	100	90	140	6-M12x150
DN250	266-291	PN10/16	6	294	120	90	130	6-M12x160
DN250	280-305	PN10/16	6	308	120	90	120	6-M12x160
DN300	302-327	PN10/16	6	330	120	90	130	6-M12x160
DN300	314-356	PN10/16	6	359	130	105	160	6-M12x180
DN350	342-372	PN10/16	8	375	130	105	180	8-M14x180
DN350	362-392	PN10/16	8	395	130	105	180	8-M14x180
DN350	370-400	PN10/16	8	403	140	105	160	8-M14x190
DN350	386-410	PN10/16	8	413	140	105	160	8-M14x200
DN400	380-415	PN10/16	8	418	135	105	190	8-M16x190
DN400	390-425	PN10/16	8	428	135	105	190	8-M16x190
DN400	398-433	PN10/16	8	436	135	105	190	8-M16x190
DN400	420-455	PN10/16	8	458	150	105	160	8-M16x200
DN450	440-475	PN10/16	10	478	135	105	190	10-M16x190
DN450	470-505	PN10/16	10	508	150	105	160	10-M16x200
DN500	485-520	PN10/16	10	523	145	105	200	10-M16x190
DN500	499-534	PN10/16	10	537	145	105	200	10-M16x190
DN500	520-555	PN10/16	10	558	155	105	160	10-M16x200
DN600	600-635	PN10/16	10	638	145	105	200	10-M16x190
DN600	615-650	PN10/16	10	653	145	105	200	10-M16x190

Customized dimension which is different from above table is also available upon requirement.

For unreasonable dimension specifications, we reserve the right to make technical recommendations.