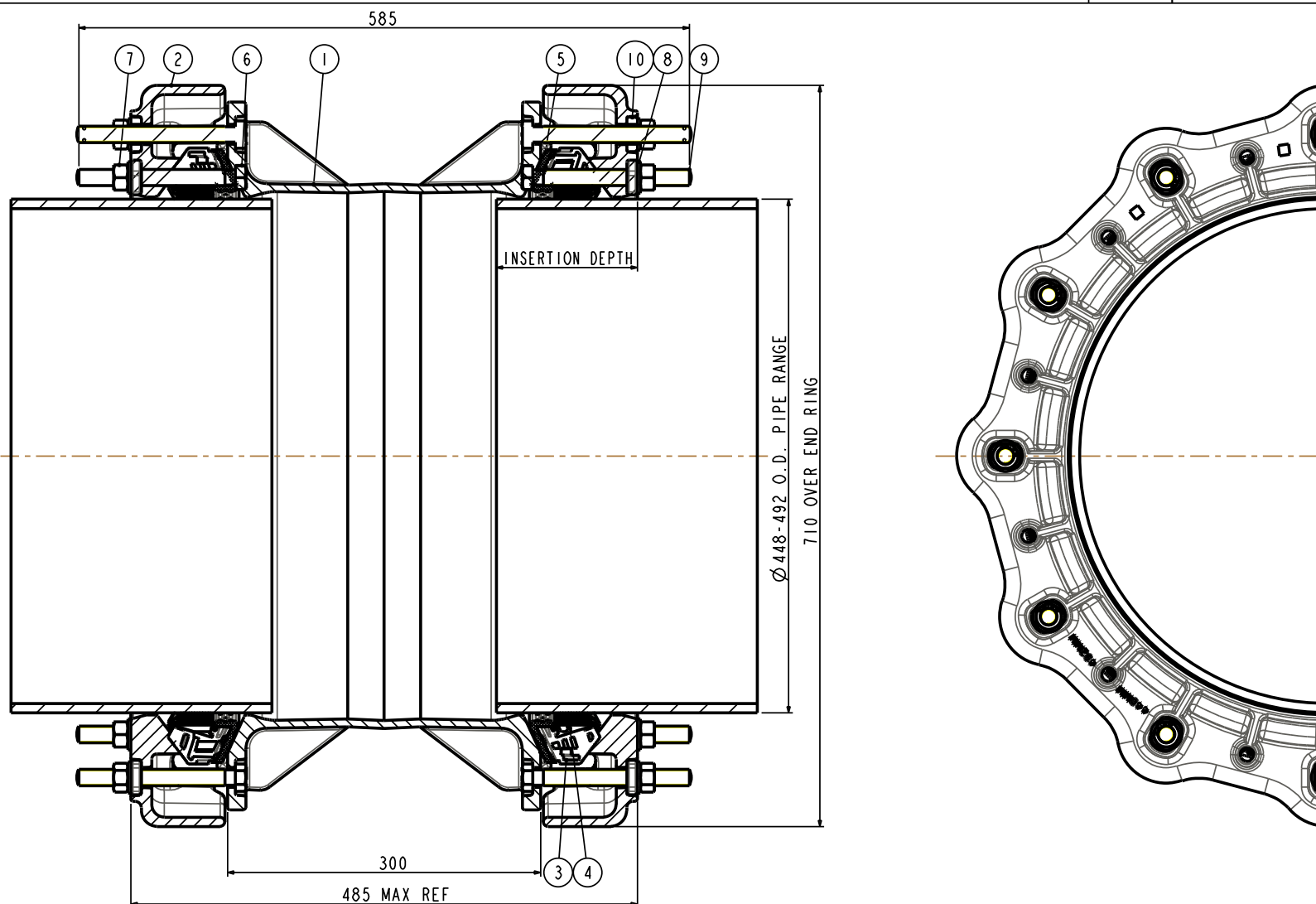


ALL PRODUCT DIMENSIONS ARE BEFORE COATING

REFERENCE DRAWING ONLY - NOT TO BE USED FOR INSPECTION PURPOSES

DO NOT SCALE

MATERIAL SPECIFICATION
<p>CENTRE SLEEVE (Part 1) Ductile Iron to BS EN1563 Symbol EN-GJS-450-10</p> <p>END RING (Part 2) Ductile Iron to BS EN1563 Symbol EN-GJS-450-10</p> <p>CARRIER (Part 3) Acetal Co-polymer Grade C2521 or equivalent</p> <p>GRIPPER (Part 4) Acetal Co-polymer Grade C9021 or equivalent</p> <p>GASKET (Part 5) Rubber (70 IRHD) Grade to suit service</p> <p>BOLTS (Part 6) Stainless Steel to BS EN ISO3506-1 Grade A2 Property class 80 or Grade A2 Property class 70 or Grade A4 Property class 80 or Grade A4 Property class 70</p> <p>NUTS (Part 7) Stainless Steel to BS EN ISO3506-2 Grade A4 Property class 80</p> <p>WASHERS (Part 8) Stainless Steel to BS1449:Part 2 Grade 304 S15 or BS EN ISO3506-1:Grade A2 Property class 50 or Grade A4 Property Class 50</p> <p>'O' SEAL GASKET (Part 9) As specified by order</p> <p>REVERSIBLE WASHER (Part 10) Aluminium AC3A Die Cast</p> <p>PROTECTION CAP (Part 11) Polypropylene</p>
FINISH SPECIFICATION
<p>CENTRE SLEEVE (Part 1) Rilsan Nylon II</p> <p>END RING (Part 2) Rilsan Nylon II</p> <p>BOLTS (Part 6) Dry Film Lubricant</p> <p>NUTS (Part 7) Dacromet 500</p>
NOTES
<p>Bolt Torques M16 = 95-120Nm</p> <p>Pipe Materials Gripping and Non-Gripping (Flex) Used without support liner Steel Ductile Iron Cast Iron PVC Class 4 DIN8062 Used with support liner PE80 PE100 PVC - all other classes Non-Gripping (Flex) Used without support liner Asbestos Cement GRP</p>
ISOMETRIC VIEW



ASSEMBLY DRG NO	NOM SIZE	PIPE O.D RANGE	WORKING PRESSURE				NO OFF CARRIERS & GRIPPERS	GASKET MOULD	BOLTS NO-SIZExLEN	INSERTION DEPTH		WEIGHT KG
			WATER		GAS					MIN	MAX	
			GRIPPING	FLEX	GRIPPING	FLEX						
13198-16	450	448-492	10.000	10.000	N/A	N/A	164.000	13447	24-M16x150	135	215	138.093

OVERALL DIMENSIONS DRAWING  
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CRANE A Crane Co Company

OVERALL DIMENSIONS OF  
ULTRAGRIP COUPLING  
FOR 448-492 mm PIPE O.D. RANGE

RELEASE LEVEL:

SHEET 1 OF 1

**VIKING JOHNSON**  
World leaders in pipe joints and repair products

DRAWN	SCALE	0.143
DATE	26-Mar-15	GENERIC

DRG NO O\_DIM\_13198\_16\_2