

# ALL PRODUCT DIMENSIONS ARE BEFORE COATING

REFERENCE DRAWING ONLY - NOT TO BE USED FOR INSPECTION PURPOSES

DO NOT SCALE

## MATERIAL SPECIFICATION

**CENTRE SLEEVE (Part 1)**  
Ductile Iron to BS EN1563:1997  
Symbol EN-GJS-450-10

**END RING (Part 2)**  
Ductile Iron to BS EN1563:1997  
Symbol EN-GJS-450-10

**CARRIER (Part 3)**  
Acetal Co-polymer Grade C2521  
or equivalent

**GRIPPER (Part 4)**  
Acetal Co-polymer Grade C9021  
or equivalent

**GASKET (Part 5)**  
Rubber (70 IRHD)  
Grade to suit service

**BOLTS (Part 6)**  
Stainless Steel to BS EN ISO3506-1:  
2009 Grade A2 Property class 80 or  
Grade A2 Property class 70 or  
Grade A4 Property class 80 or  
Grade A4 Property class 70

**NUTS (Part 7)**  
Stainless Steel to BS EN ISO3506-2:  
2009 Grade A4 Property class 80

**WASHERS (Part 8)**  
Stainless Steel to BS1449:Part 2:  
1983: Grade 304 S15 or  
BS EN ISO3506-1:2009: Grade A2  
Property class 50 or  
Grade A4 Property Class 50

**'O' SEAL GASKET (Part 9)**  
As specified by order

## FINISH SPECIFICATION

**CENTRE SLEEVE (Part 1)**  
Rilsan Nylon II

**END RING (Part 2)**  
Rilsan Nylon II

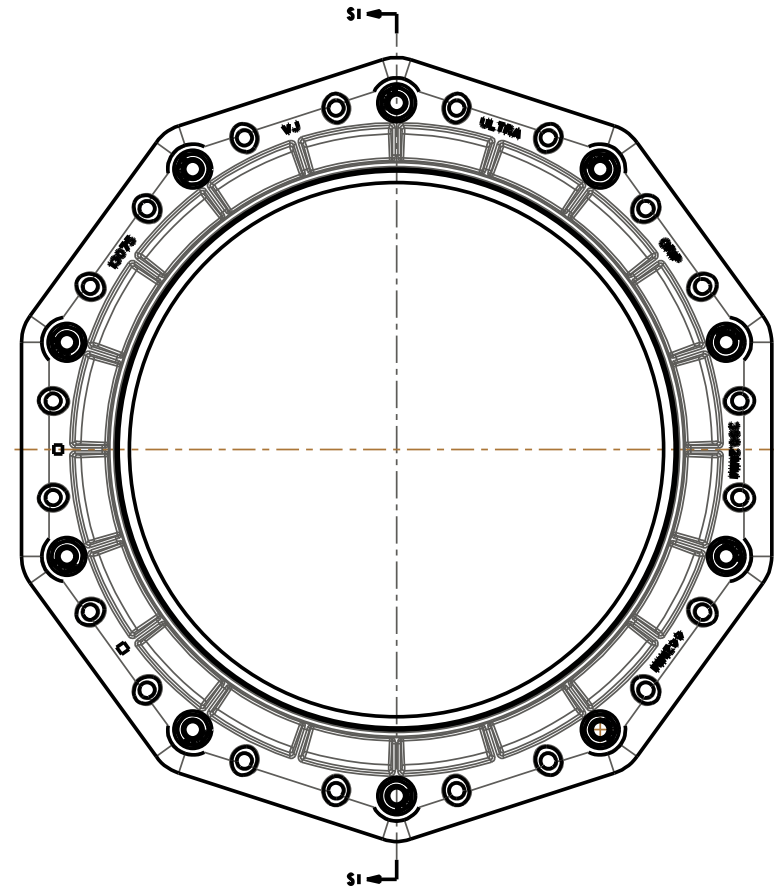
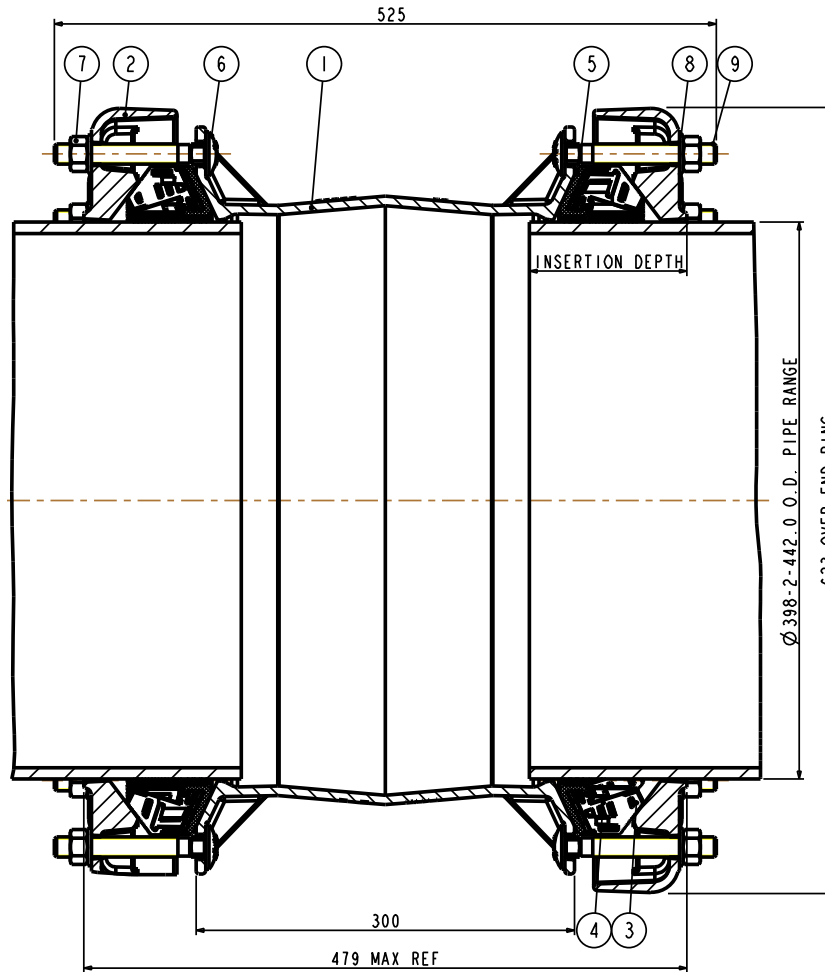
**BOLTS (Part 6)**  
Dry Film Lubricant

**NUTS (Part 7)**  
Dacromet 500

## NOTES

**Bolt Torques**  
M16 = 95-120Nm

**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



NOM SIZE	PIPE O.D. RANGE	WORKING PRESSURE				NO OFF CARRIERS	NO OFF GRIPPERS	GASKET MOULD	BOLTS NO-SIZExLEN	INSERTION DEPTH		WEIGHT KG	ASSEMBLY DRG NO
		WATER		GAS						MIN	MAX		
		GRIPPING	FLEX	GRIPPING	FLEX								
400	398-2-442.0	10	10	5	5	156	156	13129_6	20-M16x120	125	200	81.9	13198_13

OVERALL DIMENSIONS DRAWING  
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CRANE A Crane Co Company

OVERALL DIMENSIONS OF  
ULTRAGRIP COUPLING ASSEMBLY  
FOR 398-2-442.0mm PIPE O.D. RANGE

RELEASE LEVEL: Concept

SHEET 1 OF 1

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

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