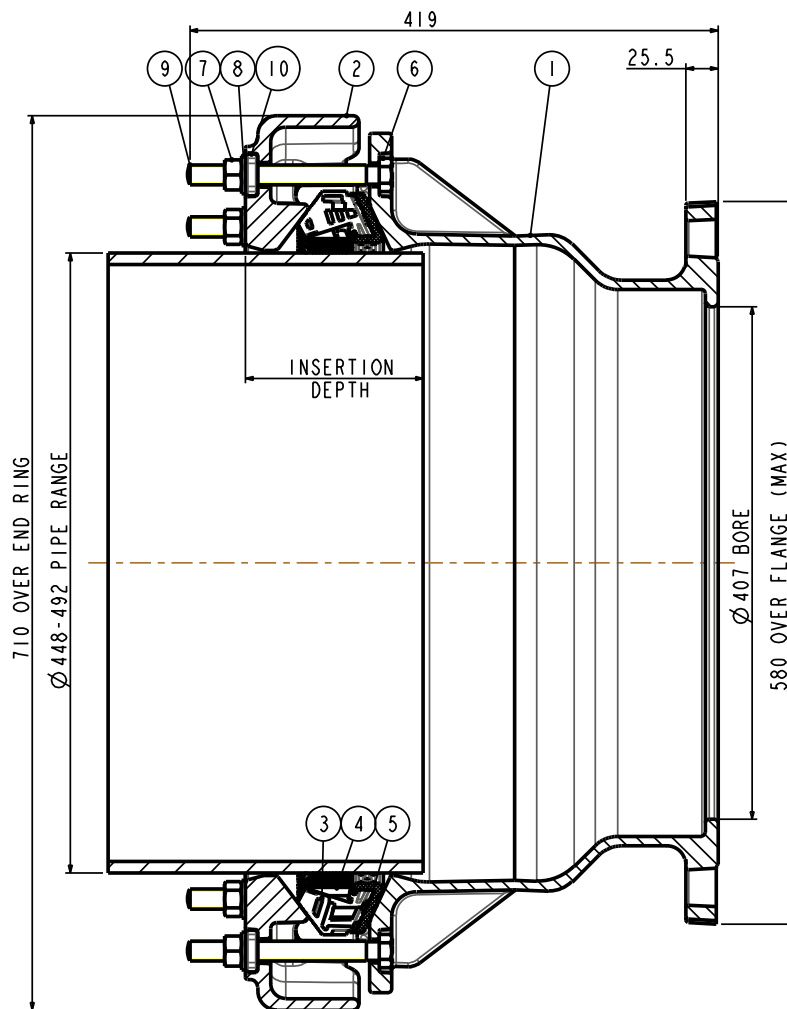


ALL PRODUCT DIMENSIONS ARE BEFORE COATING

REFERENCE DRAWING ONLY - NOT TO BE USED FOR INSPECTION PURPOSES

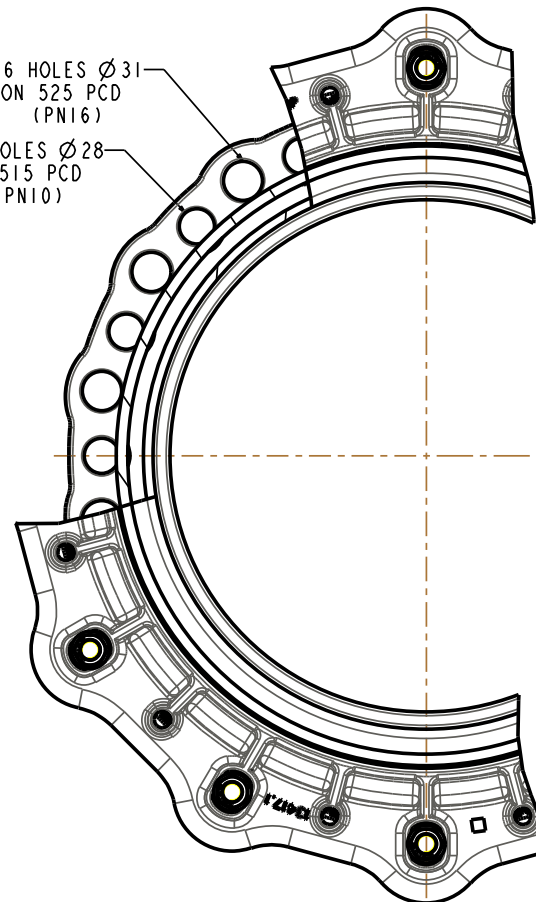
DO NOT SCALE

| MATERIAL SPECIFICATION |
|--|
| FLANGE ADAPTOR (Part 1) Ductile Iron to BS EN1563 Symbol EN-GJS-450-10 END RING (Part 2) Ductile Iron to BS EN1563 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) 70 IRHD Moulded Compound Grade to suit service BOLTS (Part 6) Stainless Steel to BS EN ISO3506-1 Grade A2 Property Class 70 or Grade A2 Property Class 80 or Grade A4 Property Class 70 or Grade A4 Property Class 80 NUTS (Part 7) Stainless Steel to BS EN ISO3506-2 Grade A4 Property Class 80 WASHERS (Part 8) Stainless Steel to BS1449:Part 2 Grade 304S15 or Stainless Steel to BS EN ISO3506-1 Grade A2 Property Class 50 or Grade A4 Property Class 50 or 'O' SEAL GASKET (Part 9) As specified by order REVERSIBLE WASHER (Part 10) Aluminium AC3A Die Cast PROTECTION CAP (Part 11) Polypropylene |
| FINISH SPECIFICATION |
| FLANGE ADAPTOR (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 <u>Gripping and Non-Gripping (Flex)</u> Used without support liner Steel Ductile Iron Cast Iron PVC Class 4 DIN8062 Used with support liner PE80 PE100 PVC - all other classes <u>Non-Gripping (Flex)</u> Used without support liner Asbestos Cement GRP |
| ISOMETRIC VIEW |



16 HOLES Ø31
ON 525 PCD
(PN16)

16 HOLES Ø28
ON 515 PCD
(PN10)



| ASSEMBLY DRG NO | NOM SIZE | PIPE O.D. RANGE | FLANGE DRILLING | WORKING PRESSURE | | | | NO OFF CARRIERS/ GRIPPERS | GASKET MOULD | BOLTS | | INSERTION DEPTH | | WEIGHT KG |
|--------------------|-------------|--------------------|--------------------|-------------------|------|-----------------|------|---------------------------------|-----------------|--------|----------|-----------------|-----|--------------|
| | | | | WATER GRIPPING | FLEX | GAS GRIPPING | FLEX | | | NO OFF | SIZExLEN | MIN | MAX | |
| 13199_16 | 450 | 448-492 | 400 PN10,16 | 10 | 10 | N/A | N/A | 82 | 13447 | 12 | M16x150 | 135 | 215 | 97 |

OVERALL DIMENSIONS DRAWING
FOR REFERENCE ONLY
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RIGHT TO AMEND DETAILS WITHOUT
PRIOR NOTIFICATION

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CRANE A Crane Co Company

OVERALL DIMENSIONS OF
ULTRAGRIP FLANGE ADAPTOR
FOR 448-492 mm O.D. PIPE RANGE
WITH 400 PN10,16 FLANGE

RELEASE LEVEL:

SHEET 1 OF 1

VIKING JOHNSON
World leaders in pipe joints and repair products

| | | |
|-------|-----------|------------------|
| DRAWN | SCALE | 0.100 |
| DATE | 30-Mar-15 | GENERIC |
| | | O.DIM.13199_16_2 |

DRG NO O_DIM_13199_16_2