



A NEW STANDARD IN QUALITY & SERVICE

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[www.3sgaskets.com](http://www.3sgaskets.com)

# MISSION



TO BE THE PREMIER SUPPLIER OF HIGH QUALITY GASKETS IN THE INDUSTRIAL MARKET. WE WILL PROVIDE VALUE ADDED SERVICES TO OUR CUSTOMERS THROUGH QUICK RESPONSE, COMPETITIVE PRICING AND SUPERIOR FLUID SEALING PRODUCTS.



# OUR PRODUCTS



## SPIRALWOUND GASKETS

STYLE	DESCRIPTION
S	SPIRAL ONLY
SI	SPIRAL WITH INNER RING
GS	SPIRAL AND OUTER RING
GSI	SPIRAL WITH INNER AND OUTER RING
GSI-LL	LOW LOAD SPIRAL WITH INNER AND OUTER RING
GSI-HF	SPIRAL FOR HF TYPE APPLICATIONS
GSI-HTG	SPIRAL FOR HIGH TEMPERATURE APPLICATIONS
GSI / GS – KP-3 RJ	SPIRAL TO SEAL DAMAGED RTJ GROOVES – RF TO RTJ FLANGES
MW / MWI	SPIRAL FOR BOILER DOOR APPLICATIONS

## OTHER SEALING PRODUCTS

PTFE SHEET IN VARIOUS FORMS
NON-ASBESTOS SHEET – NA-3S
GRAPHITE SHEET – STYLE GF & GT

## KAMMPROFILE GASKETS

STYLE	DESCRIPTION
KP-1	KAMMPROFILE RING FOR HEAT EXCHANGER APPLICATIONS
KP-2	KAMMPROFILE WITH AN INTEGRAL OUTER RING
KP-3	KAMMPROFILE WITH LOOSE FITTING OUTER RING

## CORRUGATED METAL GASKETS

STYLE	DESCRIPTION
CMS	CORRUGATED FOR STANDARD SIZED FLANGES
CMH	CORRUGATED FOR HEAT EXCHANGERS

## DOUBLE JACKETED

STYLE	DESCRIPTION
DJS	DJ FOR STANDARD SIZED FLANGES
DJH	DJ FOR HEAT EXCHANGERS

# TECHNICAL SERVICE SUPPORT



- Gasket Recommendation
- Design Assistance
- Drawings
- Torque Calculations
- Customer Training

### Torque Calculator (ASME PCC-1-2013 / Appendix O)

Customer Name	Euson
Customer Contact	Cliff Hay
Equipment Reference	E-4534
Gasket Position	Shell Gasket

3S Drawing Number	3SGSKTRT20181008-0
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Gasket Style	Kamm KP-1, KP-2, KP-3
Gasket "m" value	2.5
Gasket "y" value	2500
Gasket ID	59.00
Gasket OD	61.00
Gasket Shape	Ring

Bolt Grade	B7/L7
K Factor	0.17
Bolt Diameter	13/16 in
Number of Bolts	48
Minimum Bolt Stress	31500 psi
Selected Bolt Stress (O-T)	63000 psi
Maximum Bolt Stress	78750 psi

<b>Gasket Stress (Sgt)</b>	<b>31749</b>	<b>psi</b>
Minimum Required Gasket Stress (Sg min-c)	20000	psi
Minimum Gasket Stress in Operation (Sg min-o)	14000	psi
Maximum Gasket Stress (Sg max)	55000	psi

1st Pass	2nd Pass	3rd Pass	Final Pass
3091	3091	3091	3091
Torque (D-2) Ft-lb			

0-4	TRUE	Minimum / Maximum Stress
0-5	TRUE	Bolt Stress - Upper Bolt Limit Controlled
0-6	TRUE	Bolt Stress - Lower Bolt Limit Controlled
0-7	TRUE	Bolt Stress - Flange Limit Controlled
0-8	TRUE	Gasket Assembly Flange Limit Controlled
0-9	TRUE	Gasket Operating Stress is Controlled
0-10	TRUE	Gasket Maximum Stress is Maintained
	TRUE	Flange Rotation Limit is not Exceeded

DATE: 11/02/18

SHEET: 1 of 1

REV 0

**3S SUPERIOR SEALING SERVICES**

CUSTOMER:

EQUIPMENT:

GASKET TYPE: 3" 2500lb KP3-RJ

DRAWN BY: RT

APPROVED BY: KA

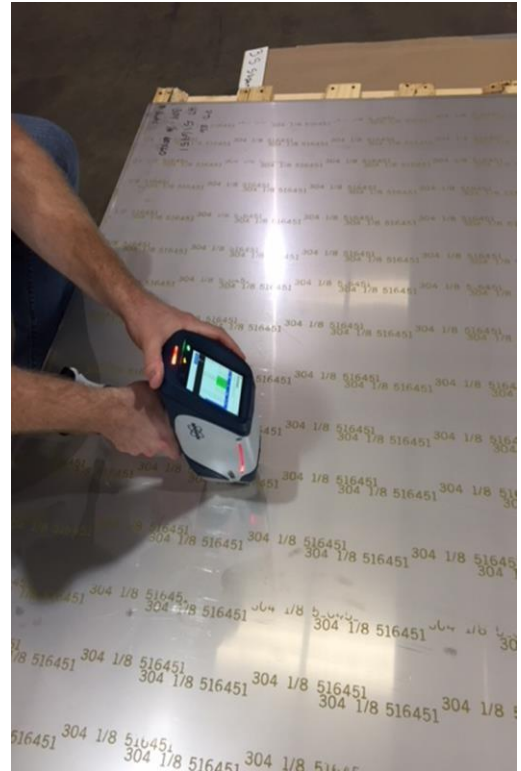
DRAWING NUMBER: 3SGSKTRT20181102-0

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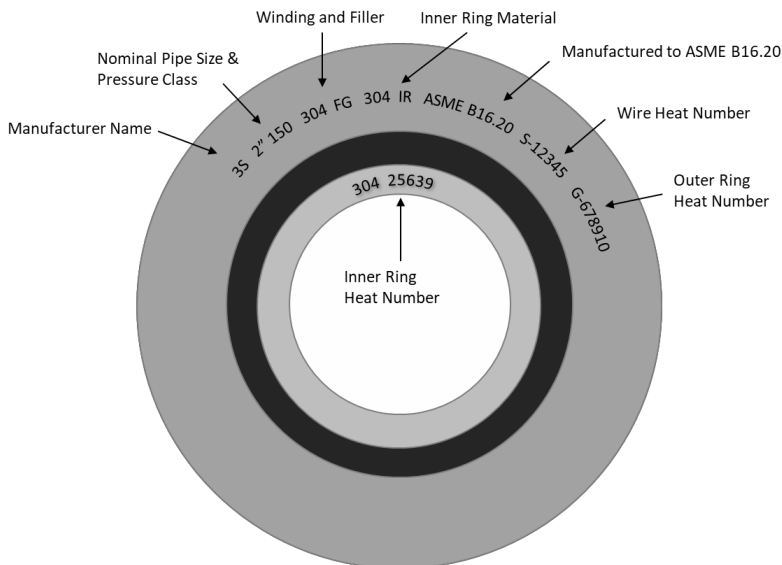
# QUALITY & COMPONENT TRACEABILITY



- SUPERIOR GRADE INHIBITED GRAPHITE ON ALL STANDARD AND NON-STANDARD SEMI-METALLIC GASKETS.
- CONTINUOUS TESTING IS PERFORMED ON OUR GASKETS TO ENSURE THEY COMPLY WITH RELEVANT STANDARDS.
- FULL TRACEABILITY ON ALL SEMI-METALLIC GASKETS – STAINLESS/ ALLOY COMPONENTS.
- CUSTOMER ACCESS TO THEIR MTRS THROUGH [www.3sgaskets.com](http://www.3sgaskets.com).



## FULL TRACEABILITY





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