Base Load Power Hub (BLPH)

FLANGE MANAGEMENT STRATEGY

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1 INTRODUCTION

PROJECT OVERVIEW

Crosswind, a Shell and Eneco joint venture, was awarded the tender to develop the offshore Hollandse Kust Noord (HKN) wind farm, located 18.5km off the coast of Netherlands near the town of Egmond aan Zee. The consortium plans to have HKN operational in 2023 with an installed capacity of 759MW generating at least 3.3TWh per year. This is sufficient renewable power to supply more than 1 million Dutch households with green electricity.

Offshore wind farms produce intermittent electricity and balancing these dips and peaks and integrating this electricity into the national energy system requires new technologies. For this reason, the offshore wind farm will include several new technologies that could be implemented at full-scale in the future. The new technologies being explored include a floating solar park, a short-duration battery storage as well as long-term storage via green hydrogen produced by water electrolysis and subsequently consumed in a fuel cell. The combination of these individual measures, herein referred to as the Base Load Power Hub (BLPH) will ensure a continuous power supply regardless of the wind situation.

1.1.1. Project Location

The Hollandse Kust Noord (HKN) wind farm is located 18.5km off the coast of the Netherlands near the town of Egmond aan Zee.

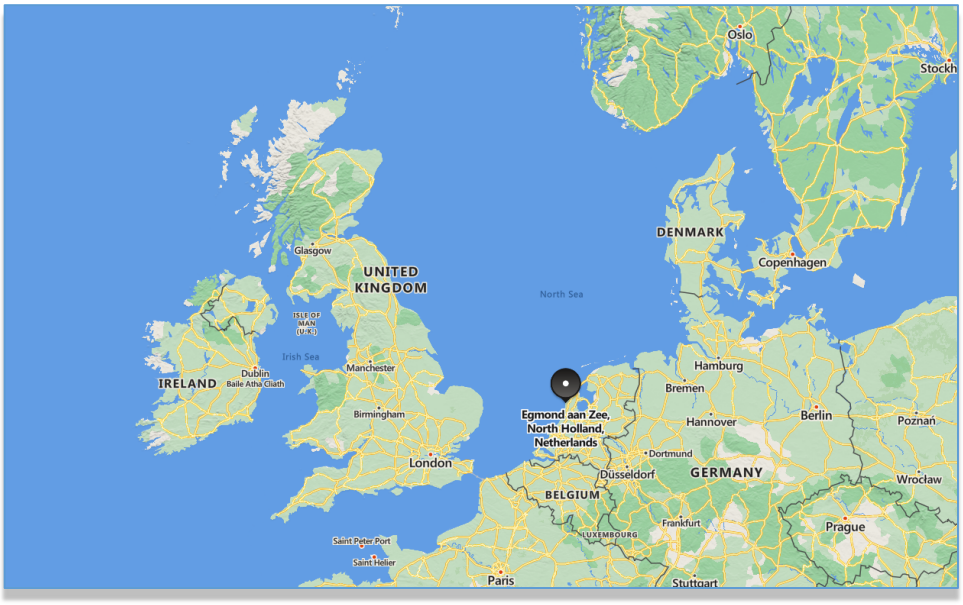


Figure 1 HOLLANDSE KUST NOORD WIND PARK Location Map

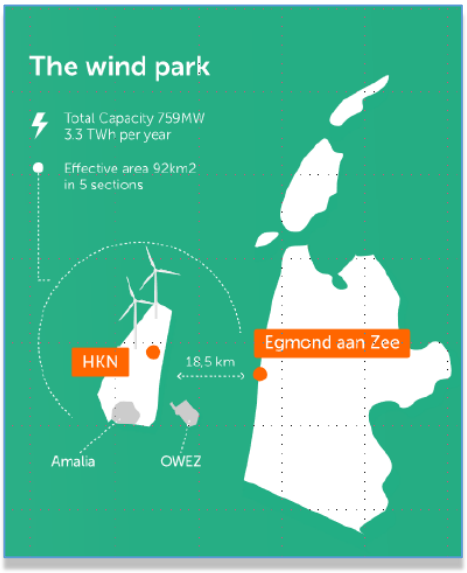


Figure 2 - Wind Park Details

The wind farm will consist of No. 69 x 11.5MW wind turbine generators each to be installed on a dedicated monopile structure. A 70th monopile located on coordinates E 590719.1, N 5841602.3 is reserved for installing the platform accommodating the BLPH. The monopile structure was designed and installed by Van Oord Offshore Wind (VooW) and therefore not part of the BLPH scope.

1.1.2. Project Concept

All components included in the BLPH will be integrated onshore on a topsides and installed in an offshore location within the boundaries of the HKN wind farm. At its simplest, the BLPH will store energy during periods of high electricity generation from renewable sources (a wind turbine generator and the floating solar PV farm) and release it during periods of low generation. In practice. It is expected that the energy stored will supplement generation from renewable sources to ensure that at least 1.0MW of power is exported to the electrical grid regardless of wind/solar availability.

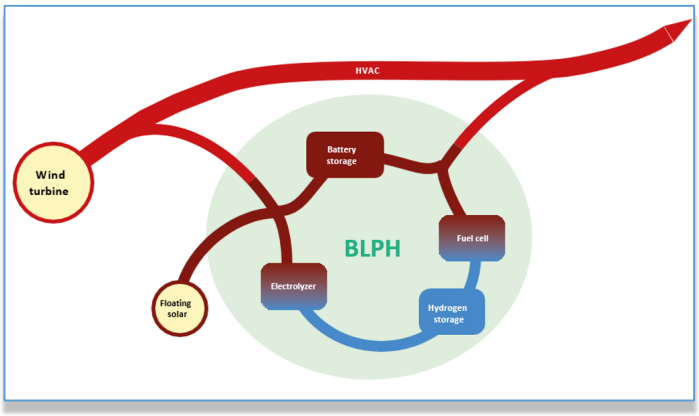


Figure 3 – BLPH Concept

Electricity in the BLPH will be stored in the form of electrons in a battery energy storage system (BESS) as well as converted into green hydrogen via water electrolysis. When the power output from the connecting wind turbine drops to below 1 MWe, the BLPH will return its stored energy to supplement the remaining power output. This will be by discharging the BESS, while stored hydrogen will be converted back into electricity using a fuel cell to extend the discharge duration.

The purpose of the BLPH s to function as a testbed for the integration of energy storage technologies with renewable generation. It is expected that equipment installed on the BLPH will operate as Normally Unmanned Installation for at least two (2) years with no or minimal maintenance and it will have its own independent control room with the ability to communicate with Crosswind's control room.

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2 PURPOSE

This procedure applies to the activities carried out in Rosetti Marino yard for CROSSWIND BLPH project. Its aim is to ensure piping flange joint management is carried out in accordance with Drawings, Specifications and Schedules, and that all flanged joints are assembled correctly to the required technical standard, with suitable records kept and maintained.

Flange Management is the process of ensuring designed mechanical integrity is achieved by managing materials, alignment, cleanliness, assembly & correct application of torque values to achieve the material and pressure class rating within final installed design requirements.

This document is applied also to the management of the joints that are broken during commissioning where another tag will be required.

Exclusions

This procedure excludes flange management within the packages, that will be covered by Suppliers procedures and separate joint registers.

3 SCOPE

This procedure is specifically issued and implemented for the Base Load Power Hub (BLPH) project, undertaken for Crosswind.

4 REFERENCES

Doc. No.	Description
CW-I-WP4-2023-05	CONTRACT
CONTRACT SECTION V	SCOPE DESCRIPTION
CONTRACT SECTION IX	QUALITY_MANAGEMENT
123A90-PML-QHSE-QP-00002	PROJECT QUALITY PLAN

Table 1 - Reference Documents

4.1 DEFINITIONS AND ABBREVIATIONS

COMPANY or Client (CPY):	Crosswind
CONTRACTOR (CTR):	ROSETTI MARINO S.p.A.
PROJECT:	HOLLANDSE KUST NOORD WIND PARK Project
PLANT:	Base Load Power Hub (BLPH)

VENDOR OR SUPPLIER	Any organization employed by Rosetti Marino to supply either products or services.
Inspection and Test Plan (ITP)	Document, which identifies the activities to be inspected as well as specifications, methods and acceptance criteria for monitoring and/or testing. It is a synonymous of "Quality Control Plan" (QCP)
Detail Design	Structural design by TECON (TE); Civil, Structural and Architectural; Instrumentation, Automation and Electrical, Piping and Layout; Technical Safety and Environmental Studies; Mechanical, Process, 3D modelling by Rosetti Marino S.P.A in Milan (RM).
FUSIONLIVE	Contractor Electronic Document Management System.
MDR	Master Document Register
DDL	Design Document List
SDL	Supplier Document List
FDL	Fabrication Document List
CPI	Company provided Items

Table 2 - Definitions and Abbreviations

5 RESPONSIBILITIES

5.1 CONSTRUCTION MANAGER (CM)

- Ensure that personnel involved in flange management have full understanding and competency in the integrity of bolted joints, and that personnel have sufficient knowledge in the principle and management of the preparation and assembly of flanged connections.
- Ensure that the register of approved personnel and register of all bolt tightening equipment with relevant certification are maintained.

5.2 PIPING ERECTION SUPERVISOR:

- Direct and supervise all personnel involved in joint management.
- Ensure the correct bolting equipment for each individual joint is used.
- Carry out toolbox talks on a regular basis on Flange Management.
- Daily coordination to allow witnessing by inspectors of joints during assembly and tightening activities.

- Demonstrate safe working practices, including handling and working of bolting equipment.
- Ensure the preparation and maintenance of bolt tightening equipment is carried out where required.
- Ensure that all joint tags are in place.

5.3 PIPING OPERATORS:

- Prepare for assembly all bolted flange connections for all the piping lines.
- Inspect joint to ensure cleanliness and free from defects and damage for all the piping lines
- Assemble all bolted flange connections using correct bolts, gaskets, for all the piping lines
- Tighten the bolts using calibrated torque wrench.

5.4 QC INSPECTOR:

- Witness 100% of joint make up
- Inspect all bolted connections for all the piping lines to ensure cleanliness and free from defects and damage, bolts & gaskets material
- Assist all bolted connections assembling and tightening verifying correct alignment, tightening sequence & values and calibration of torque wrench.
- Complete the Flange Management and prepare the dedicated Check Sheet for every Joint
- Record and sign the torque values, etc. on the correct documentation (Attachment 1)
- Ensure the ongoing completion of records and accurate reflection of these details on the flange tags within the field

5.5 PROJECT QUALITY MANAGER

- The Project Quality Manager shall perform a flange audit to verify correct assembly, tightening, tag traceability, and completeness of records. Audit results shall be documented and shared with the Client.

6 PRE-ENGINEERING

6.1 THE MANAGEMENT & COMPLETION OF THIS PROCEDURE SCOPE OF WORK INVOLVES:

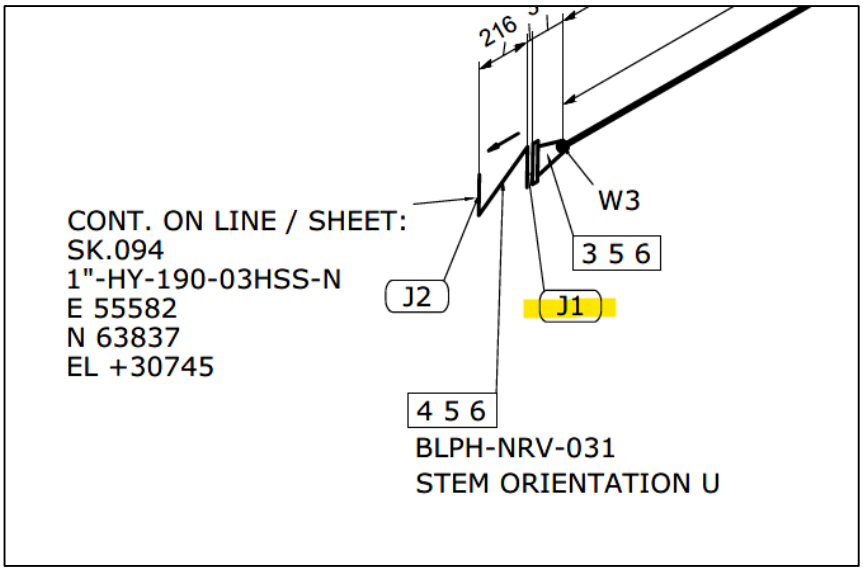
- Flange joints on Piping Systems, including equipment and valves.
- Flange joints on Piping Systems require reinstatements following hydrotest, flushing and pickling activities.

6.2 JOINT TRACEABILITY / IDENTIFICATION

Joint identification is composed of Isometric Number + Sheet Number + Joint Number, as per following example:

"128-1-J1"

Joint 128-1-J1 detail on isometric drawing 123A90-FDL-PP-DI-00049



Each flange joint will be given a multiple section tag.

The Mechanical Completion certificate is an Individual flange certification record and will contain the following data, for the fully complete joint (Attachment #1):

- System / Sub-System. Line Number
- Test Pack No.
- Isometric shop drawing No.
- Individual Bolted Joint No.
- Class rating.
- Actual Torque value.
- Gasket type / material.
- Bolt material / sizing.
- Lubricant type coefficient.
- Operator responsible for making the joint and for tightening.
- Date the joint was made and tightened.
- Serial number of the tool used to tighten the joint.

7 BOLT TORQUE VALUES

The applicable bolt torque values are listed in Attachment #3. The values are defined based on the type of flange, diameter, rating and materials involved.

8 PERFORMANCE OF OPERATIONS

The Systems / Sub-System Joints will be tightened and released prior to hydro-testing.

If a break into the schedule is required to complete a hydro-test then the Contractor shall track any changes and advise the Flange management team of the location of any flange breaks / flanges to be classed as temporary and this shall be added to a separate register to manage.

- Tightened / broken flange connections require a new tag as per the following procedure.
- Temporary flanges for Hydro-Test shall be identified with a new temporary tag applied.
- Any flange breaks required for hydro testing shall be managed in accordance with Section 12, including issuance of a new five-part tag and re-opening of the joint in Proverlis.

9 FLANGE JOINT ASSEMBLING AND BOLT TIGHTENING

9.1 FLANGE JOINT ASSEMBLING

Prior to executing any joint assembling, Contractor personnel shall undergo a basic assessment or surveillance of competency in joint make-up and bolt tightening. The assessment or surveillance shall be carried out in accordance with requirements of this procedure.

A dedicated *Flange Management Trained Jointers Register* shall be maintained by the QC department, listing all certified and authorized personnel for flange assembly activities.This register shall be made available upon request and included in the final project documentation.

All gaskets shall be brought up flush and square so that the entire mating surfaces bear uniformly on the gasket.

9.2 BOLT-UP CONNECTION PREPARATION

Prior to bolting the following preparation activities are required. These basic steps will be reinforced in the tool box talks to be performed by Contractor and be used in review of operator competency

- Mating faces shall be cleaned of all dirt, grease, rust, paint and protective coatings and shall be inspected and confirmed free of defects such as scratches, dents, burrs, pits, scale and weld splatter prior to joint assembly.
- Visually inspect all bolts and nuts for damaged or corroded threads. Replace bolts or nuts if necessary.
- Remove burrs from all threads; on super duplex bolts do not use brushes used for CS bolts.
- Lubricate with MOLYKOTE 1000 PASTE, the threads of the bolt or stud, and the surface of the nut face adjacent to the flange.
- Install the new gasket and be sure the gasket is properly centered. DO NOT REUSE old gaskets or use MULTIPLE gaskets in a standard flange connection.
- Check alignment according to ASME B31.3 Process Piping:
  - flange faces must be parallel within 1/16" per foot of diameter, and flange bolt holes must be aligned to within 1/8" maximum offset.
- Adjust the position of the nuts to insure that there is complete thread engagement for the full depth of the nut.

9.3 GASKET

Gaskets shall be treated in accordance with the manufacturer's recommendations.
Ensure the correct & safe storage of gaskets is maintained up to fitting within the flange connection.

Ensure the correct gasket has been issued to the work scope by review of the flange check sheet, and Isometric drawing.
Care shall be taken to ensure that the gasket and mating flanges are clean, true and free from defects.

Joint rings shall not, under any circumstance protrude into the bore of the pipe.

Fit Ring type Joint gaskets using best practice techniques so that finger's do not become trapped / crushed.
Use of gaskets is not permissible after the gasket has been crushed or damaged.

9.4 BOLTING

All flanges and bolting shall be checked for correct grade and damage prior to fitting.

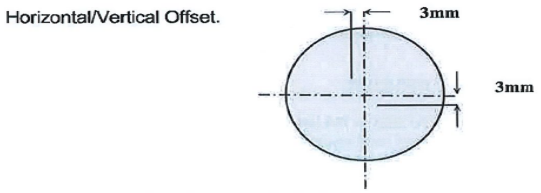
All flange bolting shall be free to move through mating flange holes in a plane at right angles to the flange face and parallel to the pipe run (misalignment of flange space holes resulting in knurling of the nut on the flanges will be rejected).

Bolts shall extend through their nuts such that there is complete thread engagement for the full depth of the nut. Stud bolts should protrude equally on both sides of the flange joint, with a maximum of five threads protruding in the final assembled condition through the nut.

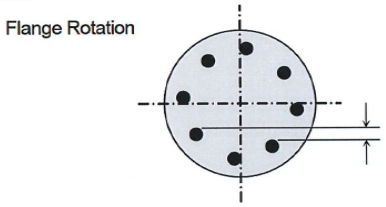
Nuts and bolts must have their grade markings visible after installation.

All Flange connections with RTJ gaskets should be revisited after 5 – 15 mins to ensure no relaxation has taken place.

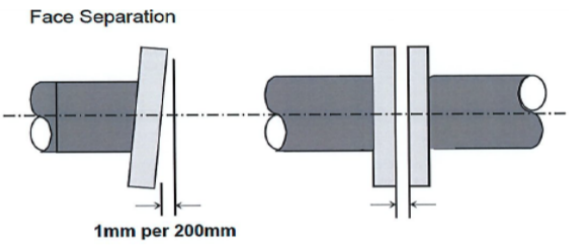
The following guidelines are recommended as acceptable for flange misalignment.



If the bolts can be passed through the boltholes of both flanges without force, then this mis-alignment is acceptable.



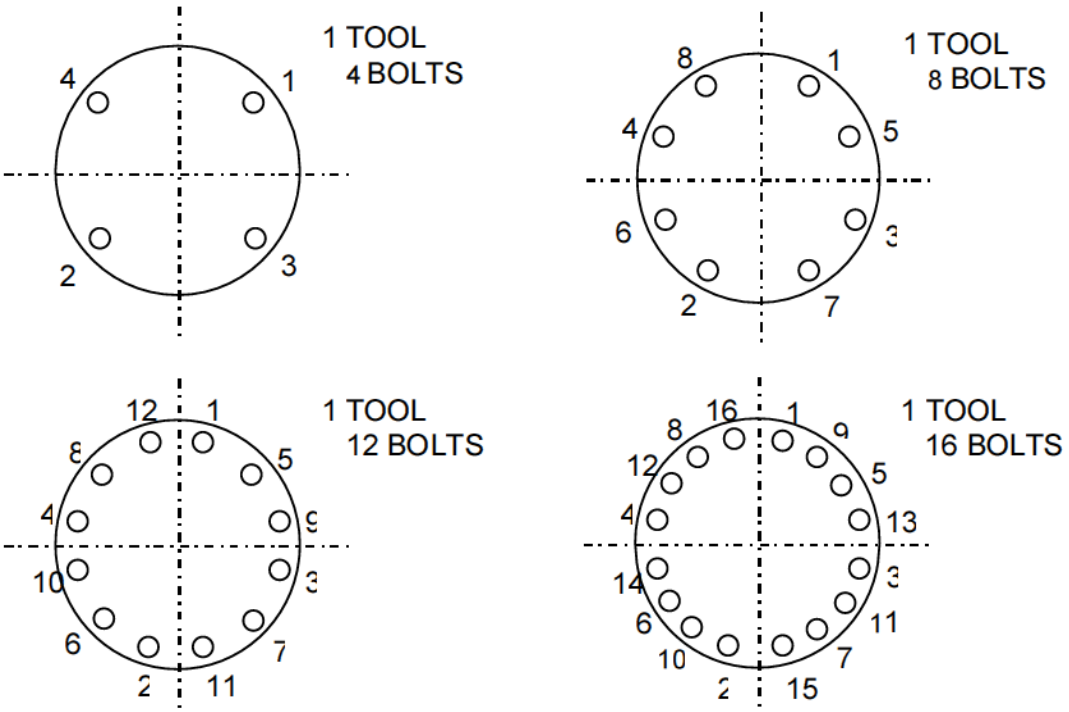
Again, if the bolts can be passed through the boltholes of both flanges without force, then this mis-alignment is acceptable.



Tightening of bolts shall be carried out in accordance with this procedure and good industry practice.

Torque tightening equipment will be used in strict accordance with instructions supplied in this procedure, which relate to the training completed by each individual.

Nut(s)/Bolt(s) shall be tightened to desired load in increments 30%, 60% and 100% of the bolt torque values, in the pre-planned sequence of uniform and diametrically opposite distribution of tightening as follows:



Number up the flange connection in a clockwise rotation:

4 Bolt Flanges – 1, 3, 2, 4

8 Bolt Flanges – 1, 5, 3, 7, 2, 6, 4, 8,

12 Bolt Flanges – 1, 5, 9, 3, 7, 11, 2, 6, 10, 4, 8, 12.

16 Bolt Flanges – 1, 9, 5, 13, 3, 11, 7, 15, 2, 10, 6, 14, 4, 12, 8, 16

9.5 MANUAL TIGHTENING

Only manual tightening is foreseen.

- Review work pack and assess requirements and safety precautions.
- Check all equipment is appropriately certified, in good condition and suitable for the intended job
- Check proper bolt lengths
- Set the torque wrench to achieve 30% torque.

- Employ manual handling techniques when using hand torque wrenches.
- Apply tool in sequence shown in diagrams above.
- Take up free movement and tighten nuts to bolts to the previous torque setting.
- For through bolts, ensure the back nut does not turn. If back nut does turn, use the correct size backing spanner to lock nut to prevent it turning.
- Check flange alignment when all bolts are tightened to 30%.
- If satisfactory, repeat the procedure at 60% torque setting.
- Check flange alignment when all bolts are tightened to 60% torque.
- If the alignment is satisfactory apply the calculated 100% torque figure following the same numbering sequence.
- We can now proceed to a rotational pass around the flange connection using the calculated 100% torque figure, this should continue until no nut movement is apparent even passing the original start position. This final pass should be completed by using one wrench only.
- Record the serial number of the torque wrench, and complete the Flange check sheet / Mechanical completion form.

Note: Flange connections with RTJ gaskets should be revisited after 5 – 15 mins to ensure no relaxation has taken place. Repeat the rotational pass if any relaxation has taken place.

10 FLANGE JOINT ASSEMBLING AND BOLT TIGHTENING

On final tightening of joints, complete the Five Part Flange Tag (Attachment #2).

Issue the 5 part flange management tag if access allows prior to flange assembly along with a marked up ISO documenting the flange positions, and Flange check sheets.

- The Flange Management Inspector / QC / Representative will verify the flange connections / materials to be used etc. and review the condition of the flange faces.
- Piping operators will assemble the flange connection and complete the detail required on the Red section of the flange tag and flange check sheet.
- The Red portion of the tag (Assembled) section will be removed along with the Blue portion which is used if opening a flange connection, and details should be recorded on the tag and flange check sheet.
- On completion of tightening activities the remaining parts of the Yellow (Flange Tag), Green (flange tested) and Orange (Tightened) sections will remain. As the Orange (Tightened) section will be completed, it will be handed to the Flange Management Inspector / QC / Representative.

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- The green portion of the tag (flange tested) will be completed and afterwards removed by the pre-comm – commissioning team whom will complete the activities along with the flange Management Inspector / QC / Representative.

At the completion of the connection, it is NOT allowed to move or stress the line.

When the Flange Management of a single joint is completed, the relevant Check Sheets will be closed issued to the flange Management Inspector or QC representative to allow progress reporting. (Flange Management check sheet – Mechanical Completion – Attachment #1).

Completions Management System is used as Project database for the Mechanical completion, Pre-commissioning, Commissioning and Handover of the Systems / Subsystems.

In particular, for the Flange Joint Management activities, this Data Base through the Proverlis operator, manage the engineering data populated with the flange register, the relative check sheets assigned and filled by inspectors, update the status of the flange joints completed and print out a progress status of the flange joints per Line / Iso / Test Pack.

The operator makes assembling of the joint (make-up first step) and the tightening activities (second step). The flange management QC inspector inspects and reviews these activities on relative check sheet, according this procedure. Only the people in the list of operators and inspectors are authorized to perform the Flange Joint Management activities, assigned by RM piping erection supervisor.

The inspectors / QC representative witness all joints and with the client approve by signature into the check sheet.

The Flange Joint Management activities steps will be recorded into the check sheet and sign by operator (first box), by inspector (second box), by client (third box) and by TP (fourth box), if applicable.

As expected, the check sheets compiled and signed will be put into the data base by the Proverlis operator.

11 EQUIPMENT

All equipment used shall be calibrated, suitable for the scope of work and inspected prior to use.

A register shall be created and maintained giving a description, quantity and serial number of all equipment to be used on the bolt tightening activities.

All equipment must be within the calibration period and it is certificate should be made available for reference.

12 JOINT INTEGRITY RECORDS

The Joint Integrity Records will be retained in the relevant Test Packs.

Test Pack / Work Pack & Sub-Systems Piping Dossiers will be compiled, and all completed dossiers will include for each system:

- Flanged joint register
- Break out register
- Completed joint integrity records and certificates.
- Isometric shop drawings indicating Unique Bolted Joint N°.
- Lubricant data sheet.
- Torque wrench calibration records
- Personnel qualification including proof of training

Breaking out joints already tightened and tagged should be minimized and controlled by using the breakout register

All Flange breaks that are made following application of the coloured tags as referred to in Section 10.0 shall be reported to Company.

On breaking, Contractor will then go through the same joint make-up process and flange management activities, as if it were new. Contractor will control the superseding activities and superseding information within their records in the flange break register, while Company will do likewise and will be issued a new five-part Tag when appropriate to do so.

The joints damage either can happen during make up or after, but in any case, the process is to remove the joint and substitute the bolts if damages are found. If the bolts are in good condition, it will be acceptable to re-use if the joint has been tightened previously in a controlled manner. Failure of sufficient documentation (including witness signatures) will require new bolting for the joint. The gaskets always require to be changed.

If broken joint is already closed and certified, with the flange management activities completed, remove the flange tag and send to the Flange management inspector or representative to add to the flange break register and all details issued to the Proverlis operator and will delete the assigned Check Sheet and re-open the joint into the Data Base. The Flange management team will issue a new Check Sheet with a new flange tag (the joint number will remain the same, as per applicable isometric) and the flange management activities will be repeated in full.

This procedure shall remain applicable after Mechanical Completion and Ready for Commissioning phases.

Any joint reopened for any reason shall follow the same process and documentation cycle – including new five-part tag issuance, new check sheet, and re-entry in Proverlis.

13 SAFETY – PPE/WORK AREA

Relevant recommendation stated in the Project HSE plant and Company safety standard shall be complied with. Hereafter are listed precaution concerning specific aspects.

Correct PPE will be worn at all times. Eye protection must be worn whilst on the worksite & must be worn during all torque tightening operations.

When working at heights or where danger exists from falling objects, equipment should always be secured wherever reasonably practicable.

When working at height, areas below must be cordoned off where risk of falling objects is present.

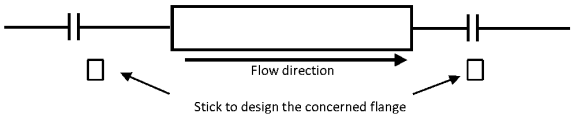
Attachment #1: FLANGE MANAGEMENT CHECK SHEET

ROSETTI MARINO CROSSWIND

ITEM	Tag	:			Dwg		
	S/Sys	:			Module		
TASK	code			Location		User	
FORM	Process	MC	Activity PIP	Discipline Piping	Form TMX27		Bolt tensioning / torquing

Test Pack N.:

EQUIPMENT TAG



Stick to design the concerned flange

Flange Type		**Lubricant**	
Flange Size		**Lubricant Type**	
Gasket Type		**Used tools**	
Bolt tensioning/Torquing value			

			Torque (Design Value)		
Sequence	Pre tension/torque	Final tension/torque	30%	60%	100%
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

1 **Clear Bore Inspection:** Pipe and Valve clear of debris/contamination.

2 **Flange Face Check:** Both flanges clean and free from damage.

3 **Gaskets and Bolts:** Gaskets and Bolts checked for correctness to specification, any damage and for correct length technique.

4 **Alignment:** Check alignment according to code.

Comments:

Page 1/1	Performed by	☐ WITNESS ☐ REVIEW	☐ WITNESS ☐ REVIEW
Company			
Name			
Date			
Signature			

Attachment #2: FIVE PART TAG SYSTEM



Attachment #3: JOINT & TORQUE TABLE

Double Click on the link to open the table in Excel format ---->

Isometric_DWG_Num	Line_Num	Sheet	Joint_Num	Piping_Class	Sub_System	Flange_Dia	Joint_Rating	Bolt_Dia	Bolts_Num	Sketch_Num						RF/RJ/FF	Bolt_Dia-Bolt Material	Flange_Dia-Joint_Rating-Gasket_Type	Line_iso_Num	Sheet	Line_Num	Short_Line_Num	Piping_Class	Sub_System	Joint_Num	Tag No.	Tag Description	Flange_Dia	Joint_Rating	Gasket Type	Gasket Material	Bolt Material	Nut Material	Bolt_Dia	Bolts_Num	Clamp_Type	Torque 30% [Nm]	Torque 60% [Nm]	Final Torque [Nm]	Test Pack Nr.	Note	SOW
123A90-FDL-PP-DI-00128-01	12"-DR-264-01CS-N	1	J1	01CS	56-11	12"	150LB	7/8"	12	128	12"	DR	264	01CS	N	RF	7/8"-A193 Gr.B7 Hot di	12"-150LB-RF	123A90-FDL-PP-DI-00128-01	1	12"-DR-264-01CS-N	DR-264	01CS	56-11	J1	128-1-J1	Joint 128-1-J1	12"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	7/8"	12	N.A.	101	201	335,2	TP-102		HOOK-UP
123A90-FDL-PP-DI-00129-01	10"-DR-265-01CS-N	1	J1	01CS	56-11	10"	150LB	7/8"	12	129	10"	DR	265	01CS	N	RF	7/8"-A193 Gr.B7 Hot di	10"-150LB-RF	123A90-FDL-PP-DI-00129-01	1	10"-DR-265-01CS-N	DR-265	01CS	56-11	J1	129-1-J1	Joint 129-1-J1	10"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	7/8"	12	N.A.	101	201	335,2	TP-048		
123A90-FDL-PP-DI-00130-01	8"-DR-266-01CS-N	1	J1	01CS	56-11	8"	150LB	3/4"	8	130	8"	DR	266	01CS	N	RF	3/4"-A193 Gr.B7 Hot di	8"-150LB-RF	123A90-FDL-PP-DI-00130-01	1	8"-DR-266-01CS-N	DR-266	01CS	56-11	J1	130-1-J1	Joint 130-1-J1	8"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	63	127	211,1	TP-048		
123A90-FDL-PP-DI-00131-01	4"-DR-267-01CS-N	1	J1	01CS	56-11	4"	150LB	5/8"	8	131	4"	DR	267	01CS	N	RF	5/8"-A193 Gr.B7 Hot di	4"-150LB-RF	123A90-FDL-PP-DI-00131-01	1	4"-DR-267-01CS-N	DR-267	01CS	56-11	J1	131-1-J1	Joint 131-1-J1	4"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	8	N.A.	37	73	122,2	TP-048		
123A90-FDL-PP-DI-00132-01	4"-DR-268-01CS-N	1	J1	01CS	56-11	4"	150LB	5/8"	8	132	4"	DR	268	01CS	N	RF	5/8"-A193 Gr.B7 Hot di	4"-150LB-RF	123A90-FDL-PP-DI-00132-01	1	4"-DR-268-01CS-N	DR-268	01CS	56-11	J1	132-1-J1	Joint 132-1-J1	4"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	8	N.A.	37	73	122,2	TP-048		
123A90-FDL-PP-DI-00009-01	1"-HY-015-03HSS-N	1	J1	03HSS	25-01 / 25-07	1"	300LB	5/8"	4	009	1"	HY	015	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00009-01	1	1"-HY-015-03HSS-N	HY-015	03HSS	25-07	J1	009-1-J1	Joint 009-1-J1	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-007		
123A90-FDL-PP-DI-00009-01	1"-HY-015-03HSS-N	1	J2	03HSS	25-01 / 25-07	1"	300LB	5/8"	4	009	1"	HY	015	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00009-01	1	1"-HY-015-03HSS-N	HY-015	03HSS	25-07	J2	009-1-J2	Joint 009-1-J2	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-007		
123A90-FDL-PP-DI-00009-01	1"-HY-015-03HSS-N	1	J3	03HSS	25-01 / 25-07	1"	300LB	5/8"	4	009	1"	HY	015	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00009-01	1	1"-HY-015-03HSS-N	HY-015	03HSS	25-07	J3	009-1-J3	Joint 009-1-J3	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-007		
123A90-FDL-PP-DI-00009-01	1"-HY-015-03HSS-N	1	J4	03HSS	25-01 / 25-07	1"	300LB	5/8"	4	009	1"	HY	015	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00009-01	1	1"-HY-015-03HSS-N	HY-015	03HSS	25-01	J4	009-1-J4	Joint 009-1-J4	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-008		
123A90-FDL-PP-DI-00009-01	1"-HY-015-03HSS-N	1	J5	03HSS	25-01 / 25-07	1"	300LB	5/8"	4	009	1"	HY	015	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00009-01	1	1"-HY-015-03HSS-N	HY-015	03HSS	25-01	J5	009-1-J5	Joint 009-1-J5	1"	300LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	36	72	120	TP-008		
123A90-FDL-PP-DI-00010-01	1"-HY-016-03HSS-N	1	J1	03HSS	25-02 / 25-07	1"	300LB	5/8"	4	010	1"	HY	016	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00010-01	1	1"-HY-016-03HSS-N	HY-016	03HSS	25-07	J1	010-1-J1	Joint 010-1-J1	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-007		
123A90-FDL-PP-DI-00010-01	1"-HY-016-03HSS-N	1	J2	03HSS	25-02 / 25-07	1"	300LB	5/8"	4	010	1"	HY	016	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00010-01	1	1"-HY-016-03HSS-N	HY-016	03HSS	25-07	J2	010-1-J2	Joint 010-1-J2	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-007		
123A90-FDL-PP-DI-00010-01	1"-HY-016-03HSS-N	1	J3	03HSS	25-02 / 25-07	1"	300LB	5/8"	4	010	1"	HY	016	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00010-01	1	1"-HY-016-03HSS-N	HY-016	03HSS	25-07	J3	010-1-J3	Joint 010-1-J3	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-007		
123A90-FDL-PP-DI-00010-01	1"-HY-016-03HSS-N	1	J4	03HSS	25-02 / 25-07	1"	300LB	5/8"	4	010	1"	HY	016	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00010-01	1	1"-HY-016-03HSS-N	HY-016	03HSS	25-02	J4	010-1-J4	Joint 010-1-J4	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-009		
123A90-FDL-PP-DI-00010-01	1"-HY-016-03HSS-N	1	J5	03HSS	25-02 / 25-07	1"	300LB	5/8"	4	010	1"	HY	016	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00010-01	1	1"-HY-016-03HSS-N	HY-016	03HSS	25-02	J5	010-1-J5	Joint 010-1-J5	1"	300LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	36	72	120	TP-009		
123A90-FDL-PP-DI-00011-01	1"-HY-017-03HSS-N	1	J1	03HSS	25-03 / 25-07	1"	300LB	5/8"	4	011	1"	HY	017	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00011-01	1	1"-HY-017-03HSS-N	HY-017	03HSS	25-07	J1	011-1-J1	Joint 011-1-J1	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-007		
123A90-FDL-PP-DI-00011-01	1"-HY-017-03HSS-N	1	J2	03HSS	25-03 / 25-07	1"	300LB	5/8"	4	011	1"	HY	017	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00011-01	1	1"-HY-017-03HSS-N	HY-017	03HSS	25-07	J2	011-1-J2	Joint 011-1-J2	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-007		
123A90-FDL-PP-DI-00011-01	1"-HY-017-03HSS-N	1	J3	03HSS	25-03 / 25-07	1"	300LB	5/8"	4	011	1"	HY	017	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00011-01	1	1"-HY-017-03HSS-N	HY-017	03HSS	25-07	J3	011-1-J3	Joint 011-1-J3	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-007		
123A90-FDL-PP-DI-00011-01	1"-HY-017-03HSS-N	1	J4	03HSS	25-03 / 25-07	1"	300LB	5/8"	4	011	1"	HY	017	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00011-01	1	1"-HY-017-03HSS-N	HY-017	03HSS	25-03	J4	011-1-J4	Joint 011-1-J4	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-010		
123A90-FDL-PP-DI-00011-01	1"-HY-017-03HSS-N	1	J5	03HSS	25-03 / 25-07	1"	300LB	5/8"	4	011	1"	HY	017	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00011-01	1	1"-HY-017-03HSS-N	HY-017	03HSS	25-03	J5	011-1-J5	Joint 011-1-J5	1"	300LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	36	72	120	TP-010		
123A90-FDL-PP-DI-00012-01	1"-HY-018-03HSS-N	1	J1	03HSS	25-04 / 25-07	1"	300LB	5/8"	4	012	1"	HY	018	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00012-01	1	1"-HY-018-03HSS-N	HY-018	03HSS	25-07	J1	012-1-J1	Joint 012-1-J1	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-007		
123A90-FDL-PP-DI-00012-01	1"-HY-018-03HSS-N	1	J2	03HSS	25-04 / 25-07	1"	300LB	5/8"	4	012	1"	HY	018	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00012-01	1	1"-HY-018-03HSS-N	HY-018	03HSS	25-07	J2	012-1-J2	Joint 012-1-J2	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-007		
123A90-FDL-PP-DI-00012-01	1"-HY-018-03HSS-N	1	J3	03HSS	25-04 / 25-07	1"	300LB	5/8"	4	012	1"	HY	018	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00012-01	1	1"-HY-018-03HSS-N	HY-018	03HSS	25-07	J3	012-1-J3	Joint 012-1-J3	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-007		
123A90-FDL-PP-DI-00012-01	1"-HY-018-03HSS-N	1	J4	03HSS	25-04 / 25-07	1"	300LB	5/8"	4	012	1"	HY	018	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00012-01	1	1"-HY-018-03HSS-N	HY-018	03HSS	25-04	J4	012-1-J4	Joint 012-1-J4	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-011		
123A90-FDL-PP-DI-00012-01	1"-HY-018-03HSS-N	1	J5	03HSS	25-04 / 25-07	1"	300LB	5/8"	4	012	1"	HY	018	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00012-01	1	1"-HY-018-03HSS-N	HY-018	03HSS	25-04	J5	012-1-J5	Joint 012-1-J5	1"	300LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	36	72	120	TP-011		
123A90-FDL-PP-DI-00013-01	1"-HY-019-03HSS-N	1	J1	03HSS	25-05 / 25-07	1"	300LB	5/8"	4	013	1"	HY	019	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00013-01	1	1"-HY-019-03HSS-N	HY-019	03HSS	25-07	J1	013-1-J1	Joint 013-1-J1	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-007		
123A90-FDL-PP-DI-00013-01	1"-HY-019-03HSS-N	1	J2	03HSS	25-05 / 25-07	1"	300LB	5/8"	4	013	1"	HY	019	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00013-01	1	1"-HY-019-03HSS-N	HY-019	03HSS	25-07	J2	013-1-J2	Joint 013-1-J2	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-007		
123A90-FDL-PP-DI-00013-01	1"-HY-019-03HSS-N	1	J3	03HSS	25-05 / 25-07	1"	300LB	5/8"	4	013	1"	HY	019	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00013-01	1	1"-HY-019-03HSS-N	HY-019	03HSS	25-07	J3	013-1-J3	Joint 013-1-J3	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-007		
123A90-FDL-PP-DI-00013-01	1"-HY-019-03HSS-N	1	J4	03HSS	25-05 / 25-07	1"	300LB	5/8"	4	013	1"	HY	019	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00013-01	1	1"-HY-019-03HSS-N	HY-019	03HSS	25-05	J4	013-1-J4	Joint 013-1-J4	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-012		
123A90-FDL-PP-DI-00013-01	1"-HY-019-03HSS-N	1	J5	03HSS	25-05 / 25-07	1"	300LB	5/8"	4	013	1"	HY	019	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00013-01	1	1"-HY-019-03HSS-N	HY-019	03HSS	25-05	J5	013-1-J5	Joint 013-1-J5	1"	300LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	36	72	120	TP-012		
123A90-FDL-PP-DI-00014-01	1"-HY-020-03HSS-N	1	J1	03HSS	25-06 / 25-07	1"	300LB	5/8"	4	014	1"	HY	020	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00014-01	1	1"-HY-020-03HSS-N	HY-020	03HSS	25-07	J1	014-1-J1	Joint 014-1-J1	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-007		
123A90-FDL-PP-DI-00014-01	1"-HY-020-03HSS-N	1	J2	03HSS	25-06 / 25-07	1"	300LB	5/8"	4	014	1"	HY	020	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00014-01	1	1"-HY-020-03HSS-N	HY-020	03HSS	25-07	J2	014-1-J2	Joint 014-1-J2	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-007		
123A90-FDL-PP-DI-00014-01	1"-HY-020-03HSS-N	1	J3	03HSS	25-06 / 25-07	1"	300LB	5/8"	4	014	1"	HY	020	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00014-01	1	1"-HY-020-03HSS-N	HY-020	03HSS	25-07	J3	014-1-J3	Joint 014-1-J3	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-007		
123A90-FDL-PP-DI-00014-01	1"-HY-020-03HSS-N	1	J4	03HSS	25-06 / 25-07	1"	300LB	5/8"	4	014	1"	HY	020	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00014-01	1	1"-HY-020-03HSS-N	HY-020	03HSS	25-06	J4	014-1-J4	Joint 014-1-J4	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-013		
123A90-FDL-PP-DI-00014-01	1"-HY-020-03HSS-N	1	J5	03HSS	25-06 / 25-07	1"	300LB	5/8"	4	014	1"	HY	020	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00014-01	1	1"-HY-020-03HSS-N	HY-020	03HSS	25-06	J5	014-1-J5	Joint 014-1-J5	1"	300LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	36	72	120	TP-013		
123A90-FDL-PP-DI-00017-01	1-1/2"-HY-024-03HSS-N	1	J1	03HSS	25-01	1.1/2"	300LB	3/4"	4	017	1.1/2"	HY	024	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	1.1/2"-300LB-RF	123A90-FDL-PP-DI-00017-01	1	1-1/2"-HY-024-03HSS-N	HY-024	03HSS	25-01	J1	017-1-J1	Joint 017-1-J1	1.1/2"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	4	N.A.	82	165	274,4	TP-038		
123A90-FDL-PP-DI-00017-01	1-1/2"-HY-024-03HSS-N	1	J2	03HSS	25-01	1.1/2"	300LB	3/4"	4	017	1.1/2"	HY	024	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	1.1/2"-300LB-RF	123A90-FDL-PP-DI-00017-01	1	1-1/2"-HY-024-03HSS-N	HY-024	03HSS	25-01	J2	017-1-J2	Joint 017-1-J2	1.1/2"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	4	N.A.	82	165	274,4	TP-038		
123A90-FDL-PP-DI-00017-01	1-1/2"-HY-024-03HSS-N	1	J3	03HSS	25-01	1"	300LB	3/4"	4	017	1.1/2"	HY	024	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00017-01	1	1-1/2"-HY-024-03HSS-N	HY-024	03HSS	25-01	J3	017-1-J3	Joint 017-1-J3	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	4	N.A.	82	165	274,4	TP-038		
123A90-FDL-PP-DI-00019-01	1"-HY-026-03HSS-N	1	J1	03HSS	25-01 / 25-08	1"	300LB	5/8"	4	019	1"	HY	026	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00019-01	1	1"-HY-026-03HSS-N	HY-026	03HSS	25-01	J1	019-1-J1	Joint 019-1-J1	1"	300LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	36	72	120	TP-032		
123A90-FDL-PP-DI-00019-01	1"-HY-026-03HSS-N	1	J2	03HSS	25-01 / 25-08	1"	300LB	5/8"	4	019	1"	HY	026	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00019-01	1	1"-HY-026-03HSS-N	HY-026	03HSS	25-01	J2	019-1-J2	Joint 019-1-J2	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-032		
123A90-FDL-PP-DI-00019-01	1"-HY-026-03HSS-N	1	J3	03HSS	25-01 / 25-08	1"	300LB	5/8"	4	019	1"	HY	026	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00019-01	1	1"-HY-026-03HSS-N	HY-026	03HSS	25-08	J3	019-1-J3	Joint 019-1-J3	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-031		
123A90-FDL-PP-DI-00019-01	1"-HY-026-03HSS-N	1	J4	03HSS	25-01 / 25-08	1"	300LB	5/8"	4	019	1"	HY	026	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00019-01	1	1"-HY-026-03HSS-N	HY-026	03HSS	25-08	J4	019-1-J4	Joint 019-1-J4	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-031		
123A90-FDL-PP-DI-00019-01	1"-HY-026-03HSS-N	1	J5	03HSS	25-01 / 25-08	1"	300LB	5/8"	4	019	1"	HY	026	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00019-01	1	1"-HY-026-03HSS-N	HY-026	03HSS	25-08	J5	019-1-J5	Joint 019-1-J5	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-031		
123A90-FDL-PP-DI-00050-01	1"-HY-132-03HSS-N	1	J1	03HSS	25-02 / 25-08	1"	300LB	5/8"	4	050	1"	HY	132	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00050-01	1	1"-HY-132-03HSS-N	HY-132	03HSS	25-02	J1	050-1-J1	Joint 050-1-J1	1"	300LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	36	72	120	TP-033		
123A90-FDL-PP-DI-00050-01	1"-HY-132-03HSS-N	1	J2	03HSS	25-02 / 25-08	1"	300LB	5/8"	4	050	1"	HY	132	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00050-01	1	1"-HY-132-03HSS-N	HY-132	03HSS	25-02	J2	050-1-J2	Joint 050-1-J2	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-033		
123A90-FDL-PP-DI-00050-01	1"-HY-132-03HSS-N	1	J3	03HSS	25-02 / 25-08	1"	300LB	5/8"	4	050	1"	HY	132	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00050-01	1	1"-HY-132-03HSS-N	HY-132	03HSS	25-08	J3	050-1-J3	Joint 050-1-J3	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-031		
123A90-FDL-PP-DI-00050-01	1"-HY-132-03HSS-N	1	J4	03HSS	25-02 / 25-08	1"	300LB	5/8"	4	050	1"	HY	132	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00050-01	1	1"-HY-132-03HSS-N	HY-132	03HSS	25-08	J4	050-1-J4	Joint 050-1-J4	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-031		
123A90-FDL-PP-DI-00050-01	1"-HY-132-03HSS-N	1	J5	03HSS	25-02 / 25-08	1"	300LB	5/8"	4	050	1"	HY	132	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00050-01	1	1"-HY-132-03HSS-N	HY-132	03HSS	25-08	J5	050-1-J5	Joint 050-1-J5	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-031		
123A90-FDL-PP-DI-00051-01	1"-HY-133-03HSS-N	1	J1	03HSS	25-03 / 25-08	1"	300LB	5/8"	4	051	1"	HY	133	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00051-01	1	1"-HY-133-03HSS-N	HY-133	03HSS	25-03	J1	051-1-J1	Joint 051-1-J1	1"	300LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	36	72	120	TP-034		
123A90-FDL-PP-DI-00051-01	1"-HY-133-03HSS-N	1	J2	03HSS	25-03 / 25-08	1"	300LB	5/8"	4	051	1"	HY	133	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00051-01	1	1"-HY-133-03HSS-N	HY-133	03HSS	25-03	J2	051-1-J2	Joint 051-1-J2	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-034		
123A90-FDL-PP-DI-00051-01	1"-HY-133-03HSS-N	1	J3	03HSS	25-03 / 25-08	1"	300LB	5/8"	4	051	1"	HY	133	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00051-01	1	1"-HY-133-03HSS-N	HY-133	03HSS	25-08	J3	051-1-J3	Joint 051-1-J3	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-031		
123A90-FDL-PP-DI-00051-01	1"-HY-133-03HSS-N	1	J4	03HSS	25-03 / 25-08	1"	300LB	5/8"	4	051	1"	HY	133	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00051-01	1	1"-HY-133-03HSS-N	HY-133	03HSS	25-08	J4	051-1-J4	Joint 051-1-J4	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-031		
123A90-FDL-PP-DI-00051-01	1"-HY-133-03HSS-N	1	J5	03HSS	25-03 / 25-08	1"	300LB	5/8"	4	051	1"	HY	133	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00051-01	1	1"-HY-133-03HSS-N	HY-133	03HSS	25-08	J5	051-1-J5	Joint 051-1-J5	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-031		
123A90-FDL-PP-DI-00052-01	1"-HY-134-03HSS-N	1	J1	03HSS	25-04 / 25-08	1"	300LB	5/8"	4	052	1"	HY	134	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00052-01	1	1"-HY-134-03HSS-N	HY-134	03HSS	25-04	J1	052-1-J1	Joint 052-1-J1	1"	300LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	36	72	120	TP-035		
123A90-FDL-PP-DI-00052-01	1"-HY-134-03HSS-N	1	J2	03HSS	25-04 / 25-08	1"	300LB	5/8"	4	052	1"	HY	134	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00052-01	1	1"-HY-134-03HSS-N	HY-134	03HSS	25-04	J2	052-1-J2	Joint 052-1-J2	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-035		
123A90-FDL-PP-DI-00052-01	1"-HY-134-03HSS-N	1	J3	03HSS	25-04 / 25-08	1"	300LB	5/8"	4	052	1"	HY	134	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00052-01	1	1"-HY-134-03HSS-N	HY-134	03HSS	25-08	J3	052-1-J3	Joint 052-1-J3	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-031		
123A90-FDL-PP-DI-00052-01	1"-HY-134-03HSS-N	1	J4	03HSS	25-04 / 25-08	1"	300LB	5/8"	4	052	1"	HY	134	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00052-01	1	1"-HY-134-03HSS-N	HY-134	03HSS	25-08	J4	052-1-J4	Joint 052-1-J4	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-031		
123A90-FDL-PP-DI-00052-01	1"-HY-134-03HSS-N	1	J5	03HSS	25-04 / 25-08	1"	300LB	5/8"	4	052	1"	HY	134	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00052-01	1	1"-HY-134-03HSS-N	HY-134	03HSS	25-08	J5	052-1-J5	Joint 052-1-J5	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-031		
123A90-FDL-PP-DI-00053-01	1"-HY-135-03HSS-N	1	J1	03HSS	25-05 / 25-08	1"	300LB	5/8"	4	053	1"	HY	135	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00053-01	1	1"-HY-135-03HSS-N	HY-135	03HSS	25-05	J1	053-1-J1	Joint 053-1-J1	1"	300LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	36	72	120	TP-036		
123A90-FDL-PP-DI-00053-01	1"-HY-135-03HSS-N	1	J2	03HSS	25-05 / 25-08	1"	300LB	5/8"	4	053	1"	HY	135	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00053-01	1	1"-HY-135-03HSS-N	HY-135	03HSS	25-05	J2	053-1-J2	Joint 053-1-J2	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-036		
123A90-FDL-PP-DI-00053-01	1"-HY-135-03HSS-N	1	J3	03HSS	25-05 / 25-08	1"	300LB	5/8"	4	053	1"	HY	135	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00053-01	1	1"-HY-135-03HSS-N	HY-135	03HSS	25-08	J3	053-1-J3	Joint 053-1-J3	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-031		
123A90-FDL-PP-DI-00053-01	1"-HY-135-03HSS-N	1	J4	03HSS	25-05 / 25-08	1"	300LB	5/8"	4	053	1"	HY	135	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00053-01	1	1"-HY-135-03HSS-N	HY-135	03HSS	25-08	J4	053-1-J4	Joint 053-1-J4	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-031		
123A90-FDL-PP-DI-00053-01	1"-HY-135-03HSS-N	1	J5	03HSS	25-05 / 25-08	1"	300LB	5/8"	4	053	1"	HY	135	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00053-01	1	1"-HY-135-03HSS-N	HY-135	03HSS	25-08	J5	053-1-J5	Joint 053-1-J5	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-031		
123A90-FDL-PP-DI-00054-01	1"-HY-136-03HSS-N	1	J1	03HSS	25-06 / 25-08	1"	300LB	5/8"	4	054	1"	HY	136	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00054-01	1	1"-HY-136-03HSS-N	HY-136	03HSS	25-06	J1	054-1-J1	Joint 054-1-J1	1"	300LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	36	72	120	TP-037		
123A90-FDL-PP-DI-00054-01	1"-HY-136-03HSS-N	1	J2	03HSS	25-06 / 25-08	1"	300LB	5/8"	4	054	1"	HY	136	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00054-01	1	1"-HY-136-03HSS-N	HY-136	03HSS	25-06	J2	054-1-J2	Joint 054-1-J2	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-037		
123A90-FDL-PP-DI-00054-01	1"-HY-136-03HSS-N	1	J3	03HSS	25-06 / 25-08	1"	300LB	5/8"	4	054	1"	HY	136	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00054-01	1	1"-HY-136-03HSS-N	HY-136	03HSS	25-08	J3	054-1-J3	Joint 054-1-J3	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-031		
123A90-FDL-PP-DI-00054-01	1"-HY-136-03HSS-N	1	J4	03HSS	25-06 / 25-08	1"	300LB	5/8"	4	054	1"	HY	136	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00054-01	1	1"-HY-136-03HSS-N	HY-136	03HSS	25-08	J4	054-1-J4	Joint 054-1-J4	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-031		
123A90-FDL-PP-DI-00054-01	1"-HY-136-03HSS-N	1	J5	03HSS	25-06 / 25-08	1"	300LB	5/8"	4	054	1"	HY	136	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00054-01	1	1"-HY-136-03HSS-N	HY-136	03HSS	25-08	J5	054-1-J5	Joint 054-1-J5	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-031		
123A90-FDL-PP-DI-00055-01	4"-HY-142-03HSS-N	1	J1	03HSS	25-01	4"	300LB	3/4"	8	055	4"	HY	142	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	4"-300LB-RF	123A90-FDL-PP-DI-00055-01	1	4"-HY-142-03HSS-N	HY-142	03HSS	25-01	J1	055-1-J1	Joint 055-1-J1	4"	300LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	63	126	210	TP-038		
123A90-FDL-PP-DI-00055-01	4"-HY-142-03HSS-N	1	J2	03HSS	25-01	4"	300LB	3/4"	8	055	4"	HY	142	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	4"-300LB-RF	123A90-FDL-PP-DI-00055-01	1	4"-HY-142-03HSS-N	HY-142	03HSS	25-01	J2	055-1-J2	Joint 055-1-J2	4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	82	165	274,4	TP-038		
123A90-FDL-PP-DI-00055-01	4"-HY-142-03HSS-N	1	J3	03HSS	25-01	4"	300LB	3/4"	8	055	4"	HY	142	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	4"-300LB-RF	123A90-FDL-PP-DI-00055-01	1	4"-HY-142-03HSS-N	HY-142	03HSS	25-01	J3	055-1-J3	Joint 055-1-J3	4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	82	165	274,4	TP-038		
123A90-FDL-PP-DI-00055-01	4"-HY-142-03HSS-N	1	J4	03HSS	25-01	4"	300LB	3/4"	8	055	4"	HY	142	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	4"-300LB-RF	123A90-FDL-PP-DI-00055-01	1	4"-HY-142-03HSS-N	HY-142	03HSS	25-01	J4	055-1-J4	Joint 055-1-J4	4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	82	165	274,4	TP-038		
123A90-FDL-PP-DI-00055-01	4"-HY-142-03HSS-N	1	J5	03HSS	25-01	2"	300LB	5/8"	8	055	4"	HY	142	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	2"-300LB-RF	123A90-FDL-PP-DI-00055-01	1	4"-HY-142-03HSS-N	HY-142	03HSS	25-01	J5	055-1-J5	Joint 055-1-J5	2"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	8	N.A.	48	95	158,8	TP-038		
123A90-FDL-PP-DI-00055-01	4"-HY-142-03HSS-N	1	J6	03HSS	25-01	2"	300LB	5/8"	8	055	4"	HY	142	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	2"-300LB-RF	123A90-FDL-PP-DI-00055-01	1	4"-HY-142-03HSS-N	HY-142	03HSS	25-01	J6	055-1-J6	Joint 055-1-J6	2"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	8	N.A.	48	95	158,8	TP-038		
123A90-FDL-PP-DI-00055-01	4"-HY-142-03HSS-N	1	J7	03HSS	25-01	4"	300LB	3/4"	8	055	4"	HY	142	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	4"-300LB-RF	123A90-FDL-PP-DI-00055-01	1	4"-HY-142-03HSS-N	HY-142	03HSS	25-01	J7	055-1-J7	Joint 055-1-J7	4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	82	165	274,4	TP-038		
123A90-FDL-PP-DI-00055-01	4"-HY-142-03HSS-N	1	J8	03HSS	25-01	4"	300LB	3/4"	8	055	4"	HY	142	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	4"-300LB-RF	123A90-FDL-PP-DI-00055-01	1	4"-HY-142-03HSS-N	HY-142	03HSS	25-01	J8	055-1-J8	Joint 055-1-J8	4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	82	165	274,4	TP-038		
123A90-FDL-PP-DI-00055-01	4"-HY-142-03HSS-N	1	J9	03HSS	25-01	4"	300LB	3/4"	8	055	4"	HY	142	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	4"-300LB-RF	123A90-FDL-PP-DI-00055-01	1	4"-HY-142-03HSS-N	HY-142	03HSS	25-01	J9	055-1-J9	Joint 055-1-J9	4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	82	165	274,4	TP-038		
123A90-FDL-PP-DI-00055-01	4"-HY-142-03HSS-N	1	J10	03HSS	25-01	6"	300LB	3/4"	12	055	4"	HY	142	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	6"-300LB-RF	123A90-FDL-PP-DI-00055-01	1	4"-HY-142-03HSS-N	HY-142	03HSS	25-01	J10	055-1-J10	Joint 055-1-J10	6"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	12	N.A.	82	165	274,4	TP-038		
123A90-FDL-PP-DI-00055-01	4"-HY-142-03HSS-N	1	J11	03HSS	25-01	6"	300LB	3/4"	12	055	4"	HY	142	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	6"-300LB-RF	123A90-FDL-PP-DI-00055-01	1	4"-HY-142-03HSS-N	HY-142	03HSS	25-01	J11	055-1-J11	Joint 055-1-J11	6"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	12	N.A.	82	165	274,4	TP-038		
123A90-FDL-PP-DI-00056-01	1"-HY-143-03HSS-N	1	J1	03HSS	25-07	1"	300LB	5/8"	4	056	1"	HY	143	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00056-01	1	1"-HY-143-03HSS-N	HY-143	03HSS	25-07	J1	056-1-J1	Joint 056-1-J1	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-007		
123A90-FDL-PP-DI-00056-01	1"-HY-143-03HSS-N	1	J2	03HSS	25-07	1"	300LB	5/8"	4	056	1"	HY	143	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00056-01	1	1"-HY-143-03HSS-N	HY-143	03HSS	25-07	J2	056-1-J2	Joint 056-1-J2	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-007		
123A90-FDL-PP-DI-00056-01	1"-HY-143-03HSS-N	1	J3	03HSS	25-07	1"	300LB	5/8"	4	056	1"	HY	143	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00056-01	1	1"-HY-143-03HSS-N	HY-143	03HSS	25-07	J3	056-1-J3	Joint 056-1-J3	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-007		
123A90-FDL-PP-DI-00056-01	1"-HY-143-03HSS-N	1	J4	03HSS	25-07	1"	300LB	5/8"	4	056	1"	HY	143	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00056-01	1	1"-HY-143-03HSS-N	HY-143	03HSS	25-07	J4	056-1-J4	Joint 056-1-J4	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-007		
123A90-FDL-PP-DI-00056-01	1"-HY-143-03HSS-N	1	J5	03HSS	25-07	1"	300LB	5/8"	4	056	1"	HY	143	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00056-01	1	1"-HY-143-03HSS-N	HY-143	03HSS	25-07	J5	056-1-J5	Joint 056-1-J5	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-007		
123A90-FDL-PP-DI-00056-01	1"-HY-143-03HSS-N	1	J6	03HSS	25-07	1"	300LB	5/8"	4	056	1"	HY	143	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00056-01	1	1"-HY-143-03HSS-N	HY-143	03HSS	25-07	J6	056-1-J6	Joint 056-1-J6	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-007		
123A90-FDL-PP-DI-00056-01	1"-HY-143-03HSS-N	1	J7	03HSS	25-07	1"	300LB	5/8"	4	056	1"	HY	143	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00056-01	1	1"-HY-143-03HSS-N	HY-143	03HSS	25-07	J7	056-1-J7	Joint 056-1-J7	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-007		
123A90-FDL-PP-DI-00057-01	1"-HY-144-03HSS-N	1	J1	03HSS	25-08	1"	300LB	5/8"	4	057	1"	HY	144	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00057-01	1	1"-HY-144-03HSS-N	HY-144	03HSS	25-08	J1	057-1-J1	Joint 057-1-J1	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-031		
123A90-FDL-PP-DI-00057-01	1"-HY-144-03HSS-N	1	J2	03HSS	25-08	1"	300LB	5/8"	4	057	1"	HY	144	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00057-01	1	1"-HY-144-03HSS-N	HY-144	03HSS	25-08	J2	057-1-J2	Joint 057-1-J2	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-031		
123A90-FDL-PP-DI-00057-01	1"-HY-144-03HSS-N	1	J3	03HSS	25-08	1"	300LB	5/8"	4	057	1"	HY	144	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00057-01	1	1"-HY-144-03HSS-N	HY-144	03HSS	25-08	J3	057-1-J3	Joint 057-1-J3	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-031		
123A90-FDL-PP-DI-00057-01	1"-HY-144-03HSS-N	1	J4	03HSS	25-08	1"	300LB	5/8"	4	057	1"	HY	144	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00057-01	1	1"-HY-144-03HSS-N	HY-144	03HSS	25-08	J4	057-1-J4	Joint 057-1-J4	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-031		
123A90-FDL-PP-DI-00057-01	1"-HY-144-03HSS-N	1	J5	03HSS	25-08	1"	300LB	5/8"	4	057	1"	HY	144	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00057-01	1	1"-HY-144-03HSS-N	HY-144	03HSS	25-08	J5	057-1-J5	Joint 057-1-J5	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-031		
123A90-FDL-PP-DI-00057-01	1"-HY-144-03HSS-N	1	J6	03HSS	25-08	2"	300LB	5/8"	8	057	1"	HY	144	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	2"-300LB-RF	123A90-FDL-PP-DI-00057-01	1	1"-HY-144-03HSS-N	HY-144	03HSS	25-08	J6	057-1-J6	Joint 057-1-J6	2"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	8	N.A.	48	95	158,8	TP-031		
123A90-FDL-PP-DI-00057-01	1"-HY-144-03HSS-N	1	J7	03HSS	25-08	2"	300LB	5/8"	8	057	1"	HY	144	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	2"-300LB-RF	123A90-FDL-PP-DI-00057-01	1	1"-HY-144-03HSS-N	HY-144	03HSS	25-08	J7	057-1-J7	Joint 057-1-J7	2"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	8	N.A.	48	95	158,8	TP-031		
123A90-FDL-PP-DI-00063-01	4"-HY-152-01HSS-N	1	J1	01HSS	25-08	4"	150LB	5/8"	8	063	4"	HY	152	01HSS	N	RF	5/8"-A193 Gr.B7 Hot di	4"-150LB-RF	123A90-FDL-PP-DI-00063-01	1	4"-HY-152-01HSS-N	HY-152	01HSS	25-08	J1	063-1-J1	Joint 063-1-J1	4"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	8	N.A.	37	73	122,2	TP-030		
123A90-FDL-PP-DI-00063-01	4"-HY-152-01HSS-N	1	J2	01HSS	25-08	4"	150LB	5/8"	8	063	4"	HY	152	01HSS	N	RF	5/8"-A193 Gr.B7 Hot di	4"-150LB-RF	123A90-FDL-PP-DI-00063-01	1	4"-HY-152-01HSS-N	HY-152	01HSS	25-08	J2	063-1-J2	Joint 063-1-J2	4"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	8	N.A.	37	73	122,2	TP-030		
123A90-FDL-PP-DI-00063-01	4"-HY-152-01HSS-N	1	J3	01HSS	25-08	3"	150LB	5/8"	8	063	4"	HY	152	01HSS	N	RF	5/8"-A193 Gr.B7 Hot di	3"-150LB-RF	123A90-FDL-PP-DI-00063-01	1	4"-HY-152-01HSS-N	HY-152	01HSS	25-08	J3	063-1-J3	Joint 063-1-J3	3"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	8	N.A.	37	73	122,2	TP-030		
123A90-FDL-PP-DI-00064-01	1"-HY-153-03HSS-N	1	J1	03HSS	25-01 / 64-10	1"	300LB	5/8"	4	064	1"	HY	153	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00064-01	1	1"-HY-153-03HSS-N	HY-153	03HSS	64-10	J1	064-1-J1	Joint 064-1-J1	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-020		
123A90-FDL-PP-DI-00064-01	1"-HY-153-03HSS-N	1	J2	03HSS	25-01 / 64-10	1"	300LB	5/8"	4	064	1"	HY	153	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00064-01	1	1"-HY-153-03HSS-N	HY-153	03HSS	64-10	J2	064-1-J2	Joint 064-1-J2	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-020		
123A90-FDL-PP-DI-00064-01	1"-HY-153-03HSS-N	1	J3	03HSS	25-01 / 64-10	1"	300LB	5/8"	4	064	1"	HY	153	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00064-01	1	1"-HY-153-03HSS-N	HY-153	03HSS	64-10	J3	064-1-J3	Joint 064-1-J3	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-020		
123A90-FDL-PP-DI-00064-01	1"-HY-153-03HSS-N	1	J4	03HSS	25-01 / 64-10	1"	300LB	5/8"	4	064	1"	HY	153	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00064-01	1	1"-HY-153-03HSS-N	HY-153	03HSS	64-10	J4	064-1-J4	Joint 064-1-J4	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-020		
123A90-FDL-PP-DI-00064-01	1"-HY-153-03HSS-N	1	J5	03HSS	25-01 / 64-10	1"	300LB	5/8"	4	064	1"	HY	153	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00064-01	1	1"-HY-153-03HSS-N	HY-153	03HSS	64-10	J5	064-1-J5	Joint 064-1-J5	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-020		
123A90-FDL-PP-DI-00064-01	1"-HY-153-03HSS-N	1	J6	03HSS	25-01 / 64-10	1"	300LB	5/8"	4	064	1"	HY	153	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00064-01	1	1"-HY-153-03HSS-N	HY-153	03HSS	25-01	J6	064-1-J6	Joint 064-1-J6	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-014		
123A90-FDL-PP-DI-00064-01	1"-HY-153-03HSS-N	1	J7	03HSS	25-01 / 64-10	1"	300LB	5/8"	4	064	1"	HY	153	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00064-01	1	1"-HY-153-03HSS-N	HY-153	03HSS	25-01	J7	064-1-J7	Joint 064-1-J7	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-014		
123A90-FDL-PP-DI-00064-01	1"-HY-153-03HSS-N	1	J8	03HSS	25-01 / 64-10	1"	300LB	5/8"	4	064	1"	HY	153	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00064-01	1	1"-HY-153-03HSS-N	HY-153	03HSS	25-01	J8	064-1-J8	Joint 064-1-J8	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-014		
123A90-FDL-PP-DI-00064-01	1"-HY-153-03HSS-N	1	J9	03HSS	25-01 / 64-10	1"	300LB	5/8"	4	064	1"	HY	153	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00064-01	1	1"-HY-153-03HSS-N	HY-153	03HSS	25-01	J9	064-1-J9	Joint 064-1-J9	1"	300LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	36	72	120	TP-014		
123A90-FDL-PP-DI-00068-02	1"-HY-163-01HSS-N	2	J1	01HSS	25-08	1"	150LB	1/2"	4	068	1"	HY	163	01HSS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00068-02	2	1"-HY-163-01HSS-N	HY-163	01HSS	25-08	J1	068-2-J1	Joint 068-2-J1	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-030		
123A90-FDL-PP-DI-00068-02	1"-HY-163-01HSS-N	2	J2	01HSS	25-08	1"	150LB	1/2"	4	068	1"	HY	163	01HSS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00068-02	2	1"-HY-163-01HSS-N	HY-163	01HSS	25-08	J2	068-2-J2	Joint 068-2-J2	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-030		
123A90-FDL-PP-DI-00068-02	1"-HY-163-01HSS-N	2	J3	01HSS	25-08	1"	150LB	1/2"	4	068	1"	HY	163	01HSS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00068-02	2	1"-HY-163-01HSS-N	HY-163	01HSS	25-08	J3	068-2-J3	Joint 068-2-J3	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-030		
123A90-FDL-PP-DI-00068-02	1"-HY-163-01HSS-N	2	J4	01HSS	25-08	1"	150LB	1/2"	4	068	1"	HY	163	01HSS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00068-02	2	1"-HY-163-01HSS-N	HY-163	01HSS	25-08	J4	068-2-J4	Joint 068-2-J4	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-030		
123A90-FDL-PP-DI-00068-02	1"-HY-163-01HSS-N	2	J5	01HSS	25-08	1"	150LB	1/2"	4	068	1"	HY	163	01HSS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00068-02	2	1"-HY-163-01HSS-N	HY-163	01HSS	25-08	J5	068-2-J5	Joint 068-2-J5	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-030		
123A90-FDL-PP-DI-00068-02	1"-HY-163-01HSS-N	2	J6	01HSS	25-08	1"	150LB	1/2"	4	068	1"	HY	163	01HSS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00068-02	2	1"-HY-163-01HSS-N	HY-163	01HSS	25-08	J6	068-2-J6	Joint 068-2-J6	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-030		
123A90-FDL-PP-DI-00071-01	1-1/2"-HY-166-03HSS-N	1	J1	03HSS	25-02	1.1/2"	300LB	3/4"	4	071	1.1/2"	HY	166	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	1.1/2"-300LB-RF	123A90-FDL-PP-DI-00071-01	1	1-1/2"-HY-166-03HSS-N	HY-166	03HSS	25-02	J1	071-1-J1	Joint 071-1-J1	1.1/2"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	4	N.A.	82	165	274,4	TP-039		
123A90-FDL-PP-DI-00071-01	1-1/2"-HY-166-03HSS-N	1	J2	03HSS	25-02	1.1/2"	300LB	3/4"	4	071	1.1/2"	HY	166	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	1.1/2"-300LB-RF	123A90-FDL-PP-DI-00071-01	1	1-1/2"-HY-166-03HSS-N	HY-166	03HSS	25-02	J2	071-1-J2	Joint 071-1-J2	1.1/2"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	4	N.A.	82	165	274,4	TP-039		
123A90-FDL-PP-DI-00071-01	1-1/2"-HY-166-03HSS-N	1	J3	03HSS	25-02	1"	300LB	3/4"	4	071	1.1/2"	HY	166	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00071-01	1	1-1/2"-HY-166-03HSS-N	HY-166	03HSS	25-02	J3	071-1-J3	Joint 071-1-J3	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	4	N.A.	82	165	274,4	TP-039		
123A90-FDL-PP-DI-00072-01	4"-HY-167-03HSS-N	1	J1	03HSS	25-02	4"	300LB	3/4"	8	072	4"	HY	167	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	4"-300LB-RF	123A90-FDL-PP-DI-00072-01	1	4"-HY-167-03HSS-N	HY-167	03HSS	25-02	J1	072-1-J1	Joint 072-1-J1	4"	300LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	63	126	210	TP-039		
123A90-FDL-PP-DI-00072-01	4"-HY-167-03HSS-N	1	J2	03HSS	25-02	4"	300LB	3/4"	8	072	4"	HY	167	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	4"-300LB-RF	123A90-FDL-PP-DI-00072-01	1	4"-HY-167-03HSS-N	HY-167	03HSS	25-02	J2	072-1-J2	Joint 072-1-J2	4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	82	165	274,4	TP-039		
123A90-FDL-PP-DI-00072-01	4"-HY-167-03HSS-N	1	J3	03HSS	25-02	4"	300LB	3/4"	8	072	4"	HY	167	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	4"-300LB-RF	123A90-FDL-PP-DI-00072-01	1	4"-HY-167-03HSS-N	HY-167	03HSS	25-02	J3	072-1-J3	Joint 072-1-J3	4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	82	165	274,4	TP-039		
123A90-FDL-PP-DI-00072-01	4"-HY-167-03HSS-N	1	J4	03HSS	25-02	4"	300LB	3/4"	8	072	4"	HY	167	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	4"-300LB-RF	123A90-FDL-PP-DI-00072-01	1	4"-HY-167-03HSS-N	HY-167	03HSS	25-02	J4	072-1-J4	Joint 072-1-J4	4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	82	165	274,4	TP-039		
123A90-FDL-PP-DI-00072-01	4"-HY-167-03HSS-N	1	J5	03HSS	25-02	2"	300LB	5/8"	8	072	4"	HY	167	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	2"-300LB-RF	123A90-FDL-PP-DI-00072-01	1	4"-HY-167-03HSS-N	HY-167	03HSS	25-02	J5	072-1-J5	Joint 072-1-J5	2"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	8	N.A.	48	95	158,8	TP-039		
123A90-FDL-PP-DI-00072-01	4"-HY-167-03HSS-N	1	J6	03HSS	25-02	2"	300LB	5/8"	8	072	4"	HY	167	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	2"-300LB-RF	123A90-FDL-PP-DI-00072-01	1	4"-HY-167-03HSS-N	HY-167	03HSS	25-02	J6	072-1-J6	Joint 072-1-J6	2"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	8	N.A.	48	95	158,8	TP-039		
123A90-FDL-PP-DI-00072-01	4"-HY-167-03HSS-N	1	J7	03HSS	25-02	4"	300LB	3/4"	8	072	4"	HY	167	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	4"-300LB-RF	123A90-FDL-PP-DI-00072-01	1	4"-HY-167-03HSS-N	HY-167	03HSS	25-02	J7	072-1-J7	Joint 072-1-J7	4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	82	165	274,4	TP-039		
123A90-FDL-PP-DI-00072-01	4"-HY-167-03HSS-N	1	J8	03HSS	25-02	4"	300LB	3/4"	8	072	4"	HY	167	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	4"-300LB-RF	123A90-FDL-PP-DI-00072-01	1	4"-HY-167-03HSS-N	HY-167	03HSS	25-02	J8	072-1-J8	Joint 072-1-J8	4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	82	165	274,4	TP-039		
123A90-FDL-PP-DI-00072-01	4"-HY-167-03HSS-N	1	J9	03HSS	25-02	4"	300LB	3/4"	8	072	4"	HY	167	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	4"-300LB-RF	123A90-FDL-PP-DI-00072-01	1	4"-HY-167-03HSS-N	HY-167	03HSS	25-02	J9	072-1-J9	Joint 072-1-J9	4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	82	165	274,4	TP-039		
123A90-FDL-PP-DI-00072-01	4"-HY-167-03HSS-N	1	J10	03HSS	25-02	6"	300LB	3/4"	12	072	4"	HY	167	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	6"-300LB-RF	123A90-FDL-PP-DI-00072-01	1	4"-HY-167-03HSS-N	HY-167	03HSS	25-02	J10	072-1-J10	Joint 072-1-J10	6"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	12	N.A.	82	165	274,4	TP-039		
123A90-FDL-PP-DI-00072-01	4"-HY-167-03HSS-N	1	J11	03HSS	25-02	6"	300LB	3/4"	12	072	4"	HY	167	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	6"-300LB-RF	123A90-FDL-PP-DI-00072-01	1	4"-HY-167-03HSS-N	HY-167	03HSS	25-02	J11	072-1-J11	Joint 072-1-J11	6"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	12	N.A.	82	165	274,4	TP-039		
123A90-FDL-PP-DI-00075-01	1-1/2"-HY-170-03HSS-N	1	J1	03HSS	25-03	1.1/2"	300LB	3/4"	4	075	1.1/2"	HY	170	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	1.1/2"-300LB-RF	123A90-FDL-PP-DI-00075-01	1	1-1/2"-HY-170-03HSS-N	HY-170	03HSS	25-03	J1	075-1-J1	Joint 075-1-J1	1.1/2"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	4	N.A.	82	165	274,4	TP-040		
123A90-FDL-PP-DI-00075-01	1-1/2"-HY-170-03HSS-N	1	J2	03HSS	25-03	1.1/2"	300LB	3/4"	4	075	1.1/2"	HY	170	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	1.1/2"-300LB-RF	123A90-FDL-PP-DI-00075-01	1	1-1/2"-HY-170-03HSS-N	HY-170	03HSS	25-03	J2	075-1-J2	Joint 075-1-J2	1.1/2"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	4	N.A.	82	165	274,4	TP-040		
123A90-FDL-PP-DI-00075-01	1-1/2"-HY-170-03HSS-N	1	J3	03HSS	25-03	1"	300LB	3/4"	4	075	1.1/2"	HY	170	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00075-01	1	1-1/2"-HY-170-03HSS-N	HY-170	03HSS	25-03	J3	075-1-J3	Joint 075-1-J3	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	4	N.A.	82	165	274,4	TP-040		
123A90-FDL-PP-DI-00076-01	4"-HY-171-03HSS-N	1	J1	03HSS	25-03	4"	300LB	3/4"	8	076	4"	HY	171	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	4"-300LB-RF	123A90-FDL-PP-DI-00076-01	1	4"-HY-171-03HSS-N	HY-171	03HSS	25-03	J1	076-1-J1	Joint 076-1-J1	4"	300LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	63	126	210	TP-040		
123A90-FDL-PP-DI-00076-01	4"-HY-171-03HSS-N	1	J2	03HSS	25-03	4"	300LB	3/4"	8	076	4"	HY	171	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	4"-300LB-RF	123A90-FDL-PP-DI-00076-01	1	4"-HY-171-03HSS-N	HY-171	03HSS	25-03	J2	076-1-J2	Joint 076-1-J2	4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	82	165	274,4	TP-040		
123A90-FDL-PP-DI-00076-01	4"-HY-171-03HSS-N	1	J3	03HSS	25-03	4"	300LB	3/4"	8	076	4"	HY	171	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	4"-300LB-RF	123A90-FDL-PP-DI-00076-01	1	4"-HY-171-03HSS-N	HY-171	03HSS	25-03	J3	076-1-J3	Joint 076-1-J3	4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	82	165	274,4	TP-040		
123A90-FDL-PP-DI-00076-01	4"-HY-171-03HSS-N	1	J4	03HSS	25-03	4"	300LB	3/4"	8	076	4"	HY	171	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	4"-300LB-RF	123A90-FDL-PP-DI-00076-01	1	4"-HY-171-03HSS-N	HY-171	03HSS	25-03	J4	076-1-J4	Joint 076-1-J4	4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	82	165	274,4	TP-040		
123A90-FDL-PP-DI-00076-01	4"-HY-171-03HSS-N	1	J5	03HSS	25-03	2"	300LB	5/8"	8	076	4"	HY	171	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	2"-300LB-RF	123A90-FDL-PP-DI-00076-01	1	4"-HY-171-03HSS-N	HY-171	03HSS	25-03	J5	076-1-J5	Joint 076-1-J5	2"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	8	N.A.	48	95	158,8	TP-040		
123A90-FDL-PP-DI-00076-01	4"-HY-171-03HSS-N	1	J6	03HSS	25-03	2"	300LB	5/8"	8	076	4"	HY	171	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	2"-300LB-RF	123A90-FDL-PP-DI-00076-01	1	4"-HY-171-03HSS-N	HY-171	03HSS	25-03	J6	076-1-J6	Joint 076-1-J6	2"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	8	N.A.	48	95	158,8	TP-040		
123A90-FDL-PP-DI-00076-01	4"-HY-171-03HSS-N	1	J7	03HSS	25-03	4"	300LB	3/4"	8	076	4"	HY	171	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	4"-300LB-RF	123A90-FDL-PP-DI-00076-01	1	4"-HY-171-03HSS-N	HY-171	03HSS	25-03	J7	076-1-J7	Joint 076-1-J7	4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	82	165	274,4	TP-040		
123A90-FDL-PP-DI-00076-01	4"-HY-171-03HSS-N	1	J8	03HSS	25-03	4"	300LB	3/4"	8	076	4"	HY	171	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	4"-300LB-RF	123A90-FDL-PP-DI-00076-01	1	4"-HY-171-03HSS-N	HY-171	03HSS	25-03	J8	076-1-J8	Joint 076-1-J8	4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	82	165	274,4	TP-040		
123A90-FDL-PP-DI-00076-01	4"-HY-171-03HSS-N	1	J9	03HSS	25-03	4"	300LB	3/4"	8	076	4"	HY	171	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	4"-300LB-RF	123A90-FDL-PP-DI-00076-01	1	4"-HY-171-03HSS-N	HY-171	03HSS	25-03	J9	076-1-J9	Joint 076-1-J9	4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	82	165	274,4	TP-040		
123A90-FDL-PP-DI-00076-01	4"-HY-171-03HSS-N	1	J10	03HSS	25-03	6"	300LB	3/4"	12	076	4"	HY	171	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	6"-300LB-RF	123A90-FDL-PP-DI-00076-01	1	4"-HY-171-03HSS-N	HY-171	03HSS	25-03	J10	076-1-J10	Joint 076-1-J10	6"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	12	N.A.	82	165	274,4	TP-040		
123A90-FDL-PP-DI-00076-01	4"-HY-171-03HSS-N	1	J11	03HSS	25-03	6"	300LB	3/4"	12	076	4"	HY	171	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	6"-300LB-RF	123A90-FDL-PP-DI-00076-01	1	4"-HY-171-03HSS-N	HY-171	03HSS	25-03	J11	076-1-J11	Joint 076-1-J11	6"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	12	N.A.	82	165	274,4	TP-040		

Isometric_DWG_Num	Line_Num	Sheet	Joint_Num	Piping_Class	Sub_System	Flange_Dia	Joint_Rating	Bolt_Dia	Bolts_Num	Sketch_Num						RF/RJ/FF	Bolt_Dia-Bolt Material	Flange_Dia-Joint_Rating-Gasket_Type	Line_iso_Num	Sheet	Line_Num	Short_Line_Num	Piping_Class	Sub_System	Joint_Num	Tag No.	Tag Description	Flange_Dia	Joint_Rating	Gasket Type	Gasket Material	Bolt Material	Nut Material	Bolt_Dia	Bolts_Num	Clamp_Type	Torque 30% [Nm]	Torque 60% [Nm]	Final Torque [Nm]	Test Pack Nr.	Note	SOW
123A90-FDL-PP-DI-00079-01	1-1/2"-HY-174-03HSS-N	1	J1	03HSS	25-04	1.1/2"	300LB	3/4"	4	079	1.1/2"	HY	174	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	1.1/2"-300LB-RF	123A90-FDL-PP-DI-00079-01	1	1-1/2"-HY-174-03HSS-N	HY-174	03HSS	25-04	J1	079-1-J1	Joint 079-1-J1	1.1/2"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	4	N.A.	82	165	**274,4**	**TP-041**		
123A90-FDL-PP-DI-00079-01	1-1/2"-HY-174-03HSS-N	1	J2	03HSS	25-04	1.1/2"	300LB	3/4"	4	079	1.1/2"	HY	174	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	1.1/2"-300LB-RF	123A90-FDL-PP-DI-00079-01	1	1-1/2"-HY-174-03HSS-N	HY-174	03HSS	25-04	J2	079-1-J2	Joint 079-1-J2	1.1/2"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	4	N.A.	82	165	**274,4**	**TP-041**		
123A90-FDL-PP-DI-00079-01	1-1/2"-HY-174-03HSS-N	1	J3	03HSS	25-04	1"	300LB	3/4"	4	079	1.1/2"	HY	174	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00079-01	1	1-1/2"-HY-174-03HSS-N	HY-174	03HSS	25-04	J3	079-1-J3	Joint 079-1-J3	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	4	N.A.	82	165	**274,4**	**TP-041**		
123A90-FDL-PP-DI-00080-01	4"-HY-175-03HSS-N	1	J1	03HSS	25-04	4"	300LB	3/4"	8	080	4"	HY	175	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	4"-300LB-RF	123A90-FDL-PP-DI-00080-01	1	4"-HY-175-03HSS-N	HY-175	03HSS	25-04	J1	080-1-J1	Joint 080-1-J1	4"	300LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	63	126	**210**	**TP-041**		
123A90-FDL-PP-DI-00080-01	4"-HY-175-03HSS-N	1	J2	03HSS	25-04	4"	300LB	3/4"	8	080	4"	HY	175	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	4"-300LB-RF	123A90-FDL-PP-DI-00080-01	1	4"-HY-175-03HSS-N	HY-175	03HSS	25-04	J2	080-1-J2	Joint 080-1-J2	4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	82	165	**274,4**	**TP-041**		
123A90-FDL-PP-DI-00080-01	4"-HY-175-03HSS-N	1	J3	03HSS	25-04	4"	300LB	3/4"	8	080	4"	HY	175	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	4"-300LB-RF	123A90-FDL-PP-DI-00080-01	1	4"-HY-175-03HSS-N	HY-175	03HSS	25-04	J3	080-1-J3	Joint 080-1-J3	4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	82	165	**274,4**	**TP-041**		
123A90-FDL-PP-DI-00080-01	4"-HY-175-03HSS-N	1	J4	03HSS	25-04	4"	300LB	3/4"	8	080	4"	HY	175	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	4"-300LB-RF	123A90-FDL-PP-DI-00080-01	1	4"-HY-175-03HSS-N	HY-175	03HSS	25-04	J4	080-1-J4	Joint 080-1-J4	4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	82	165	**274,4**	**TP-041**		
123A90-FDL-PP-DI-00080-01	4"-HY-175-03HSS-N	1	J5	03HSS	25-04	2"	300LB	5/8"	8	080	4"	HY	175	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	2"-300LB-RF	123A90-FDL-PP-DI-00080-01	1	4"-HY-175-03HSS-N	HY-175	03HSS	25-04	J5	080-1-J5	Joint 080-1-J5	2"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	8	N.A.	48	95	**158,8**	**TP-041**		
123A90-FDL-PP-DI-00080-01	4"-HY-175-03HSS-N	1	J6	03HSS	25-04	2"	300LB	5/8"	8	080	4"	HY	175	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	2"-300LB-RF	123A90-FDL-PP-DI-00080-01	1	4"-HY-175-03HSS-N	HY-175	03HSS	25-04	J6	080-1-J6	Joint 080-1-J6	2"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	8	N.A.	48	95	**158,8**	**TP-041**		
123A90-FDL-PP-DI-00080-01	4"-HY-175-03HSS-N	1	J7	03HSS	25-04	4"	300LB	3/4"	8	080	4"	HY	175	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	4"-300LB-RF	123A90-FDL-PP-DI-00080-01	1	4"-HY-175-03HSS-N	HY-175	03HSS	25-04	J7	080-1-J7	Joint 080-1-J7	4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	82	165	**274,4**	**TP-041**		
123A90-FDL-PP-DI-00080-01	4"-HY-175-03HSS-N	1	J8	03HSS	25-04	4"	300LB	3/4"	8	080	4"	HY	175	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	4"-300LB-RF	123A90-FDL-PP-DI-00080-01	1	4"-HY-175-03HSS-N	HY-175	03HSS	25-04	J8	080-1-J8	Joint 080-1-J8	4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	82	165	**274,4**	**TP-041**		
123A90-FDL-PP-DI-00080-01	4"-HY-175-03HSS-N	1	J9	03HSS	25-04	4"	300LB	3/4"	8	080	4"	HY	175	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	4"-300LB-RF	123A90-FDL-PP-DI-00080-01	1	4"-HY-175-03HSS-N	HY-175	03HSS	25-04	J9	080-1-J9	Joint 080-1-J9	4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	82	165	**274,4**	**TP-041**		
123A90-FDL-PP-DI-00080-01	4"-HY-175-03HSS-N	1	J10	03HSS	25-04	6"	300LB	3/4"	12	080	4"	HY	175	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	6"-300LB-RF	123A90-FDL-PP-DI-00080-01	1	4"-HY-175-03HSS-N	HY-175	03HSS	25-04	J10	080-1-J10	Joint 080-1-J10	6"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	12	N.A.	82	165	**274,4**	**TP-041**		
123A90-FDL-PP-DI-00080-01	4"-HY-175-03HSS-N	1	J11	03HSS	25-04	6"	300LB	3/4"	12	080	4"	HY	175	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	6"-300LB-RF	123A90-FDL-PP-DI-00080-01	1	4"-HY-175-03HSS-N	HY-175	03HSS	25-04	J11	080-1-J11	Joint 080-1-J11	6"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	12	N.A.	82	165	**274,4**	**TP-041**		
123A90-FDL-PP-DI-00083-01	1-1/2"-HY-179-03HSS-N	1	J1	03HSS	25-05	1.1/2"	300LB	3/4"	4	083	1.1/2"	HY	179	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	1.1/2"-300LB-RF	123A90-FDL-PP-DI-00083-01	1	1-1/2"-HY-179-03HSS-N	HY-179	03HSS	25-05	J1	083-1-J1	Joint 083-1-J1	1.1/2"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	4	N.A.	82	165	**274,4**	**TP-042**		
123A90-FDL-PP-DI-00083-01	1-1/2"-HY-179-03HSS-N	1	J2	03HSS	25-05	1.1/2"	300LB	3/4"	4	083	1.1/2"	HY	179	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	1.1/2"-300LB-RF	123A90-FDL-PP-DI-00083-01	1	1-1/2"-HY-179-03HSS-N	HY-179	03HSS	25-05	J2	083-1-J2	Joint 083-1-J2	1.1/2"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	4	N.A.	82	165	**274,4**	**TP-042**		
123A90-FDL-PP-DI-00083-01	1-1/2"-HY-179-03HSS-N	1	J3	03HSS	25-05	1"	300LB	3/4"	4	083	1.1/2"	HY	179	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00083-01	1	1-1/2"-HY-179-03HSS-N	HY-179	03HSS	25-05	J3	083-1-J3	Joint 083-1-J3	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	4	N.A.	82	165	**274,4**	**TP-042**		
123A90-FDL-PP-DI-00084-01	4"-HY-180-03HSS-N	1	J1	03HSS	25-05	4"	300LB	3/4"	8	084	4"	HY	180	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	4"-300LB-RF	123A90-FDL-PP-DI-00084-01	1	4"-HY-180-03HSS-N	HY-180	03HSS	25-05	J1	084-1-J1	Joint 084-1-J1	4"	300LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	63	126	**210**	**TP-042**		
123A90-FDL-PP-DI-00084-01	4"-HY-180-03HSS-N	1	J2	03HSS	25-05	4"	300LB	3/4"	8	084	4"	HY	180	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	4"-300LB-RF	123A90-FDL-PP-DI-00084-01	1	4"-HY-180-03HSS-N	HY-180	03HSS	25-05	J2	084-1-J2	Joint 084-1-J2	4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	82	165	**274,4**	**TP-042**		
123A90-FDL-PP-DI-00084-01	4"-HY-180-03HSS-N	1	J3	03HSS	25-05	4"	300LB	3/4"	8	084	4"	HY	180	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	4"-300LB-RF	123A90-FDL-PP-DI-00084-01	1	4"-HY-180-03HSS-N	HY-180	03HSS	25-05	J3	084-1-J3	Joint 084-1-J3	4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	82	165	**274,4**	**TP-042**		
123A90-FDL-PP-DI-00084-01	4"-HY-180-03HSS-N	1	J4	03HSS	25-05	4"	300LB	3/4"	8	084	4"	HY	180	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	4"-300LB-RF	123A90-FDL-PP-DI-00084-01	1	4"-HY-180-03HSS-N	HY-180	03HSS	25-05	J4	084-1-J4	Joint 084-1-J4	4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	82	165	**274,4**	**TP-042**		
123A90-FDL-PP-DI-00084-01	4"-HY-180-03HSS-N	1	J5	03HSS	25-05	2"	300LB	5/8"	8	084	4"	HY	180	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	2"-300LB-RF	123A90-FDL-PP-DI-00084-01	1	4"-HY-180-03HSS-N	HY-180	03HSS	25-05	J5	084-1-J5	Joint 084-1-J5	2"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	8	N.A.	48	95	**158,8**	**TP-042**		
123A90-FDL-PP-DI-00084-01	4"-HY-180-03HSS-N	1	J6	03HSS	25-05	2"	300LB	5/8"	8	084	4"	HY	180	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	2"-300LB-RF	123A90-FDL-PP-DI-00084-01	1	4"-HY-180-03HSS-N	HY-180	03HSS	25-05	J6	084-1-J6	Joint 084-1-J6	2"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	8	N.A.	48	95	**158,8**	**TP-042**		
123A90-FDL-PP-DI-00084-01	4"-HY-180-03HSS-N	1	J7	03HSS	25-05	4"	300LB	3/4"	8	084	4"	HY	180	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	4"-300LB-RF	123A90-FDL-PP-DI-00084-01	1	4"-HY-180-03HSS-N	HY-180	03HSS	25-05	J7	084-1-J7	Joint 084-1-J7	4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	82	165	**274,4**	**TP-042**		
123A90-FDL-PP-DI-00084-01	4"-HY-180-03HSS-N	1	J8	03HSS	25-05	4"	300LB	3/4"	8	084	4"	HY	180	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	4"-300LB-RF	123A90-FDL-PP-DI-00084-01	1	4"-HY-180-03HSS-N	HY-180	03HSS	25-05	J8	084-1-J8	Joint 084-1-J8	4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	82	165	**274,4**	**TP-042**		
123A90-FDL-PP-DI-00084-01	4"-HY-180-03HSS-N	1	J9	03HSS	25-05	4"	300LB	3/4"	8	084	4"	HY	180	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	4"-300LB-RF	123A90-FDL-PP-DI-00084-01	1	4"-HY-180-03HSS-N	HY-180	03HSS	25-05	J9	084-1-J9	Joint 084-1-J9	4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	82	165	**274,4**	**TP-042**		
123A90-FDL-PP-DI-00084-01	4"-HY-180-03HSS-N	1	J10	03HSS	25-05	6"	300LB	3/4"	12	084	4"	HY	180	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	6"-300LB-RF	123A90-FDL-PP-DI-00084-01	1	4"-HY-180-03HSS-N	HY-180	03HSS	25-05	J10	084-1-J10	Joint 084-1-J10	6"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	12	N.A.	82	165	**274,4**	**TP-042**		
123A90-FDL-PP-DI-00084-01	4"-HY-180-03HSS-N	1	J11	03HSS	25-05	6"	300LB	3/4"	12	084	4"	HY	180	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	6"-300LB-RF	123A90-FDL-PP-DI-00084-01	1	4"-HY-180-03HSS-N	HY-180	03HSS	25-05	J11	084-1-J11	Joint 084-1-J11	6"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	12	N.A.	82	165	**274,4**	**TP-042**		
123A90-FDL-PP-DI-00087-01	1-1/2"-HY-183-03HSS-N	1	J1	03HSS	25-06	1.1/2"	300LB	3/4"	4	087	1.1/2"	HY	183	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	1.1/2"-300LB-RF	123A90-FDL-PP-DI-00087-01	1	1-1/2"-HY-183-03HSS-N	HY-183	03HSS	25-06	J1	087-1-J1	Joint 087-1-J1	1.1/2"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	4	N.A.	82	165	**274,4**	**TP-043**		
123A90-FDL-PP-DI-00087-01	1-1/2"-HY-183-03HSS-N	1	J2	03HSS	25-06	1.1/2"	300LB	3/4"	4	087	1.1/2"	HY	183	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	1.1/2"-300LB-RF	123A90-FDL-PP-DI-00087-01	1	1-1/2"-HY-183-03HSS-N	HY-183	03HSS	25-06	J2	087-1-J2	Joint 087-1-J2	1.1/2"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	4	N.A.	82	165	**274,4**	**TP-043**		
123A90-FDL-PP-DI-00087-01	1-1/2"-HY-183-03HSS-N	1	J3	03HSS	25-06	1"	300LB	3/4"	4	087	1.1/2"	HY	183	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00087-01	1	1-1/2"-HY-183-03HSS-N	HY-183	03HSS	25-06	J3	087-1-J3	Joint 087-1-J3	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	4	N.A.	82	165	**274,4**	**TP-043**		
123A90-FDL-PP-DI-00088-01	4"-HY-184-03HSS-N	1	J1	03HSS	25-06	4"	300LB	3/4"	8	088	4"	HY	184	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	4"-300LB-RF	123A90-FDL-PP-DI-00088-01	1	4"-HY-184-03HSS-N	HY-184	03HSS	25-06	J1	088-1-J1	Joint 088-1-J1	4"	300LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	63	126	**210**	**TP-043**		
123A90-FDL-PP-DI-00088-01	4"-HY-184-03HSS-N	1	J2	03HSS	25-06	4"	300LB	3/4"	8	088	4"	HY	184	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	4"-300LB-RF	123A90-FDL-PP-DI-00088-01	1	4"-HY-184-03HSS-N	HY-184	03HSS	25-06	J2	088-1-J2	Joint 088-1-J2	4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	82	165	**274,4**	**TP-043**		
123A90-FDL-PP-DI-00088-01	4"-HY-184-03HSS-N	1	J3	03HSS	25-06	4"	300LB	3/4"	8	088	4"	HY	184	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	4"-300LB-RF	123A90-FDL-PP-DI-00088-01	1	4"-HY-184-03HSS-N	HY-184	03HSS	25-06	J3	088-1-J3	Joint 088-1-J3	4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	82	165	**274,4**	**TP-043**		
123A90-FDL-PP-DI-00088-01	4"-HY-184-03HSS-N	1	J4	03HSS	25-06	4"	300LB	3/4"	8	088	4"	HY	184	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	4"-300LB-RF	123A90-FDL-PP-DI-00088-01	1	4"-HY-184-03HSS-N	HY-184	03HSS	25-06	J4	088-1-J4	Joint 088-1-J4	4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	82	165	**274,4**	**TP-043**		
123A90-FDL-PP-DI-00088-01	4"-HY-184-03HSS-N	1	J5	03HSS	25-06	2"	300LB	5/8"	8	088	4"	HY	184	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	2"-300LB-RF	123A90-FDL-PP-DI-00088-01	1	4"-HY-184-03HSS-N	HY-184	03HSS	25-06	J5	088-1-J5	Joint 088-1-J5	2"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	8	N.A.	48	95	**158,8**	**TP-043**		
123A90-FDL-PP-DI-00088-01	4"-HY-184-03HSS-N	1	J6	03HSS	25-06	2"	300LB	5/8"	8	088	4"	HY	184	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	2"-300LB-RF	123A90-FDL-PP-DI-00088-01	1	4"-HY-184-03HSS-N	HY-184	03HSS	25-06	J6	088-1-J6	Joint 088-1-J6	2"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	8	N.A.	48	95	**158,8**	**TP-043**		
123A90-FDL-PP-DI-00088-01	4"-HY-184-03HSS-N	1	J7	03HSS	25-06	4"	300LB	3/4"	8	088	4"	HY	184	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	4"-300LB-RF	123A90-FDL-PP-DI-00088-01	1	4"-HY-184-03HSS-N	HY-184	03HSS	25-06	J7	088-1-J7	Joint 088-1-J7	4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	82	165	**274,4**	**TP-043**		
123A90-FDL-PP-DI-00088-01	4"-HY-184-03HSS-N	1	J8	03HSS	25-06	4"	300LB	3/4"	8	088	4"	HY	184	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	4"-300LB-RF	123A90-FDL-PP-DI-00088-01	1	4"-HY-184-03HSS-N	HY-184	03HSS	25-06	J8	088-1-J8	Joint 088-1-J8	4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	82	165	**274,4**	**TP-043**		
123A90-FDL-PP-DI-00088-01	4"-HY-184-03HSS-N	1	J9	03HSS	25-06	4"	300LB	3/4"	8	088	4"	HY	184	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	4"-300LB-RF	123A90-FDL-PP-DI-00088-01	1	4"-HY-184-03HSS-N	HY-184	03HSS	25-06	J9	088-1-J9	Joint 088-1-J9	4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	82	165	**274,4**	**TP-043**		
123A90-FDL-PP-DI-00088-01	4"-HY-184-03HSS-N	1	J10	03HSS	25-06	6"	300LB	3/4"	12	088	4"	HY	184	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	6"-300LB-RF	123A90-FDL-PP-DI-00088-01	1	4"-HY-184-03HSS-N	HY-184	03HSS	25-06	J10	088-1-J10	Joint 088-1-J10	6"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	12	N.A.	82	165	**274,4**	**TP-043**		
123A90-FDL-PP-DI-00088-01	4"-HY-184-03HSS-N	1	J11	03HSS	25-06	6"	300LB	3/4"	12	088	4"	HY	184	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	6"-300LB-RF	123A90-FDL-PP-DI-00088-01	1	4"-HY-184-03HSS-N	HY-184	03HSS	25-06	J11	088-1-J11	Joint 088-1-J11	6"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	12	N.A.	82	165	**274,4**	**TP-043**		
123A90-FDL-PP-DI-00090-01	1"-HY-186-03HSS-N	1	J1	03HSS	25-02 / 64-10	1"	300LB	5/8"	4	090	1"	HY	186	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00090-01	1	1"-HY-186-03HSS-N	HY-186	03HSS	64-10	J1	090-1-J1	Joint 090-1-J1	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	**158,8**	**TP-020**		
123A90-FDL-PP-DI-00090-01	1"-HY-186-03HSS-N	1	J2	03HSS	25-02 / 64-10	1"	300LB	5/8"	4	090	1"	HY	186	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00090-01	1	1"-HY-186-03HSS-N	HY-186	03HSS	64-10	J2	090-1-J2	Joint 090-1-J2	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	**158,8**	**TP-020**		
123A90-FDL-PP-DI-00090-01	1"-HY-186-03HSS-N	1	J3	03HSS	25-02 / 64-10	1"	300LB	5/8"	4	090	1"	HY	186	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00090-01	1	1"-HY-186-03HSS-N	HY-186	03HSS	64-10	J3	090-1-J3	Joint 090-1-J3	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	**158,8**	**TP-020**		
123A90-FDL-PP-DI-00090-01	1"-HY-186-03HSS-N	1	J4	03HSS	25-02 / 64-10	1"	300LB	5/8"	4	090	1"	HY	186	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00090-01	1	1"-HY-186-03HSS-N	HY-186	03HSS	64-10	J4	090-1-J4	Joint 090-1-J4	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	**158,8**	**TP-020**		
123A90-FDL-PP-DI-00090-01	1"-HY-186-03HSS-N	1	J5	03HSS	25-02 / 64-10	1"	300LB	5/8"	4	090	1"	HY	186	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00090-01	1	1"-HY-186-03HSS-N	HY-186	03HSS	64-10	J5	090-1-J5	Joint 090-1-J5	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	**158,8**	**TP-020**		
123A90-FDL-PP-DI-00090-01	1"-HY-186-03HSS-N	1	J6	03HSS	25-02 / 64-10	1"	300LB	5/8"	4	090	1"	HY	186	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00090-01	1	1"-HY-186-03HSS-N	HY-186	03HSS	25-02	J6	090-1-J6	Joint 090-1-J6	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	**158,8**	**TP-015**		
123A90-FDL-PP-DI-00090-01	1"-HY-186-03HSS-N	1	J7	03HSS	25-02 / 64-10	1"	300LB	5/8"	4	090	1"	HY	186	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00090-01	1	1"-HY-186-03HSS-N	HY-186	03HSS	25-02	J7	090-1-J7	Joint 090-1-J7	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	**158,8**	**TP-015**		
123A90-FDL-PP-DI-00090-01	1"-HY-186-03HSS-N	1	J8	03HSS	25-02 / 64-10	1"	300LB	5/8"	4	090	1"	HY	186	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00090-01	1	1"-HY-186-03HSS-N	HY-186	03HSS	25-02	J8	090-1-J8	Joint 090-1-J8	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	**158,8**	**TP-015**		
123A90-FDL-PP-DI-00090-01	1"-HY-186-03HSS-N	1	J9	03HSS	25-02 / 64-10	1"	300LB	5/8"	4	090	1"	HY	186	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00090-01	1	1"-HY-186-03HSS-N	HY-186	03HSS	25-02	J9	090-1-J9	Joint 090-1-J9	1"	300LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	36	72	**120**	**TP-015**		
123A90-FDL-PP-DI-00091-01	1"-HY-187-03HSS-N	1	J1	03HSS	25-03 / 64-10	1"	300LB	5/8"	4	091	1"	HY	187	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00091-01	1	1"-HY-187-03HSS-N	HY-187	03HSS	64-10	J1	091-1-J1	Joint 091-1-J1	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	**158,8**	**TP-020**		
123A90-FDL-PP-DI-00091-01	1"-HY-187-03HSS-N	1	J2	03HSS	25-03 / 64-10	1"	300LB	5/8"	4	091	1"	HY	187	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00091-01	1	1"-HY-187-03HSS-N	HY-187	03HSS	64-10	J2	091-1-J2	Joint 091-1-J2	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	**158,8**	**TP-020**		
123A90-FDL-PP-DI-00091-01	1"-HY-187-03HSS-N	1	J3	03HSS	25-03 / 64-10	1"	300LB	5/8"	4	091	1"	HY	187	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00091-01	1	1"-HY-187-03HSS-N	HY-187	03HSS	64-10	J3	091-1-J3	Joint 091-1-J3	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	**158,8**	**TP-020**		
123A90-FDL-PP-DI-00091-01	1"-HY-187-03HSS-N	1	J4	03HSS	25-03 / 64-10	1"	300LB	5/8"	4	091	1"	HY	187	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00091-01	1	1"-HY-187-03HSS-N	HY-187	03HSS	64-10	J4	091-1-J4	Joint 091-1-J4	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	**158,8**	**TP-020**		
123A90-FDL-PP-DI-00091-01	1"-HY-187-03HSS-N	1	J5	03HSS	25-03 / 64-10	1"	300LB	5/8"	4	091	1"	HY	187	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00091-01	1	1"-HY-187-03HSS-N	HY-187	03HSS	64-10	J5	091-1-J5	Joint 091-1-J5	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	**158,8**	**TP-020**		
123A90-FDL-PP-DI-00091-01	1"-HY-187-03HSS-N	1	J6	03HSS	25-03 / 64-10	1"	300LB	5/8"	4	091	1"	HY	187	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00091-01	1	1"-HY-187-03HSS-N	HY-187	03HSS	25-03	J6	091-1-J6	Joint 091-1-J6	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	**158,8**	**TP-016**		
123A90-FDL-PP-DI-00091-01	1"-HY-187-03HSS-N	1	J7	03HSS	25-03 / 64-10	1"	300LB	5/8"	4	091	1"	HY	187	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00091-01	1	1"-HY-187-03HSS-N	HY-187	03HSS	25-03	J7	091-1-J7	Joint 091-1-J7	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	**158,8**	**TP-016**		
123A90-FDL-PP-DI-00091-01	1"-HY-187-03HSS-N	1	J8	03HSS	25-03 / 64-10	1"	300LB	5/8"	4	091	1"	HY	187	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00091-01	1	1"-HY-187-03HSS-N	HY-187	03HSS	25-03	J8	091-1-J8	Joint 091-1-J8	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	**158,8**	**TP-016**		
123A90-FDL-PP-DI-00091-01	1"-HY-187-03HSS-N	1	J9	03HSS	25-03 / 64-10	1"	300LB	5/8"	4	091	1"	HY	187	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00091-01	1	1"-HY-187-03HSS-N	HY-187	03HSS	25-03	J9	091-1-J9	Joint 091-1-J9	1"	300LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	36	72	**120**	**TP-016**		
123A90-FDL-PP-DI-00092-01	1"-HY-188-03HSS-N	1	J1	03HSS	25-04 / 64-10	1"	300LB	5/8"	4	092	1"	HY	188	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00092-01	1	1"-HY-188-03HSS-N	HY-188	03HSS	64-10	J1	092-1-J1	Joint 092-1-J1	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	**158,8**	**TP-020**		
123A90-FDL-PP-DI-00092-01	1"-HY-188-03HSS-N	1	J2	03HSS	25-04 / 64-10	1"	300LB	5/8"	4	092	1"	HY	188	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00092-01	1	1"-HY-188-03HSS-N	HY-188	03HSS	64-10	J2	092-1-J2	Joint 092-1-J2	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	**158,8**	**TP-020**		
123A90-FDL-PP-DI-00092-01	1"-HY-188-03HSS-N	1	J3	03HSS	25-04 / 64-10	1"	300LB	5/8"	4	092	1"	HY	188	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00092-01	1	1"-HY-188-03HSS-N	HY-188	03HSS	64-10	J3	092-1-J3	Joint 092-1-J3	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	**158,8**	**TP-020**		
123A90-FDL-PP-DI-00092-01	1"-HY-188-03HSS-N	1	J4	03HSS	25-04 / 64-10	1"	300LB	5/8"	4	092	1"	HY	188	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00092-01	1	1"-HY-188-03HSS-N	HY-188	03HSS	64-10	J4	092-1-J4	Joint 092-1-J4	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	**158,8**	**TP-020**		
123A90-FDL-PP-DI-00092-01	1"-HY-188-03HSS-N	1	J5	03HSS	25-04 / 64-10	1"	300LB	5/8"	4	092	1"	HY	188	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00092-01	1	1"-HY-188-03HSS-N	HY-188	03HSS	64-10	J5	092-1-J5	Joint 092-1-J5	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	**158,8**	**TP-020**		
123A90-FDL-PP-DI-00092-01	1"-HY-188-03HSS-N	1	J6	03HSS	25-04 / 64-10	1"	300LB	5/8"	4	092	1"	HY	188	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00092-01	1	1"-HY-188-03HSS-N	HY-188	03HSS	25-04	J6	092-1-J6	Joint 092-1-J6	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	**158,8**	**TP-017**		
123A90-FDL-PP-DI-00092-01	1"-HY-188-03HSS-N	1	J7	03HSS	25-04 / 64-10	1"	300LB	5/8"	4	092	1"	HY	188	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00092-01	1	1"-HY-188-03HSS-N	HY-188	03HSS	25-04	J7	092-1-J7	Joint 092-1-J7	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	**158,8**	**TP-017**		
123A90-FDL-PP-DI-00092-01	1"-HY-188-03HSS-N	1	J8	03HSS	25-04 / 64-10	1"	300LB	5/8"	4	092	1"	HY	188	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00092-01	1	1"-HY-188-03HSS-N	HY-188	03HSS	25-04	J8	092-1-J8	Joint 092-1-J8	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	**158,8**	**TP-017**		
123A90-FDL-PP-DI-00092-01	1"-HY-188-03HSS-N	1	J9	03HSS	25-04 / 64-10	1"	300LB	5/8"	4	092	1"	HY	188	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00092-01	1	1"-HY-188-03HSS-N	HY-188	03HSS	25-04	J9	092-1-J9	Joint 092-1-J9	1"	300LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	36	72	**120**	**TP-017**		
123A90-FDL-PP-DI-00093-01	1"-HY-189-03HSS-N	1	J1	03HSS	25-05 / 64-10	1"	300LB	5/8"	4	093	1"	HY	189	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00093-01	1	1"-HY-189-03HSS-N	HY-189	03HSS	64-10	J1	093-1-J1	Joint 093-1-J1	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	**158,8**	**TP-020**		
123A90-FDL-PP-DI-00093-01	1"-HY-189-03HSS-N	1	J2	03HSS	25-05 / 64-10	1"	300LB	5/8"	4	093	1"	HY	189	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00093-01	1	1"-HY-189-03HSS-N	HY-189	03HSS	64-10	J2	093-1-J2	Joint 093-1-J2	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	**158,8**	**TP-020**		
123A90-FDL-PP-DI-00093-01	1"-HY-189-03HSS-N	1	J3	03HSS	25-05 / 64-10	1"	300LB	5/8"	4	093	1"	HY	189	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00093-01	1	1"-HY-189-03HSS-N	HY-189	03HSS	64-10	J3	093-1-J3	Joint 093-1-J3	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	**158,8**	**TP-020**		
123A90-FDL-PP-DI-00093-01	1"-HY-189-03HSS-N	1	J4	03HSS	25-05 / 64-10	1"	300LB	5/8"	4	093	1"	HY	189	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00093-01	1	1"-HY-189-03HSS-N	HY-189	03HSS	64-10	J4	093-1-J4	Joint 093-1-J4	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	**158,8**	**TP-020**		
123A90-FDL-PP-DI-00093-01	1"-HY-189-03HSS-N	1	J5	03HSS	25-05 / 64-10	1"	300LB	5/8"	4	093	1"	HY	189	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00093-01	1	1"-HY-189-03HSS-N	HY-189	03HSS	64-10	J5	093-1-J5	Joint 093-1-J5	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	**158,8**	**TP-020**		
123A90-FDL-PP-DI-00093-01	1"-HY-189-03HSS-N	1	J6	03HSS	25-05 / 64-10	1"	300LB	5/8"	4	093	1"	HY	189	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00093-01	1	1"-HY-189-03HSS-N	HY-189	03HSS	25-05	J6	093-1-J6	Joint 093-1-J6	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	**158,8**	**TP-018**		
123A90-FDL-PP-DI-00093-01	1"-HY-189-03HSS-N	1	J7	03HSS	25-05 / 64-10	1"	300LB	5/8"	4	093	1"	HY	189	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00093-01	1	1"-HY-189-03HSS-N	HY-189	03HSS	25-05	J7	093-1-J7	Joint 093-1-J7	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	**158,8**	**TP-018**		
123A90-FDL-PP-DI-00093-01	1"-HY-189-03HSS-N	1	J8	03HSS	25-05 / 64-10	1"	300LB	5/8"	4	093	1"	HY	189	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00093-01	1	1"-HY-189-03HSS-N	HY-189	03HSS	25-05	J8	093-1-J8	Joint 093-1-J8	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	**158,8**	**TP-018**		
123A90-FDL-PP-DI-00093-01	1"-HY-189-03HSS-N	1	J9	03HSS	25-05 / 64-10	1"	300LB	5/8"	4	093	1"	HY	189	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00093-01	1	1"-HY-189-03HSS-N	HY-189	03HSS	25-05	J9	093-1-J9	Joint 093-1-J9	1"	300LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	36	72	**120**	**TP-018**		
123A90-FDL-PP-DI-00094-01	1"-HY-190-03HSS-N	1	J1	03HSS	25-06 / 64-10	1"	300LB	5/8"	4	094	1"	HY	190	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00094-01	1	1"-HY-190-03HSS-N	HY-190	03HSS	64-10	J1	094-1-J1	Joint 094-1-J1	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	**158,8**	**TP-020**		
123A90-FDL-PP-DI-00094-01	1"-HY-190-03HSS-N	1	J2	03HSS	25-06 / 64-10	1"	300LB	5/8"	4	094	1"	HY	190	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00094-01	1	1"-HY-190-03HSS-N	HY-190	03HSS	64-10	J2	094-1-J2	Joint 094-1-J2	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	**158,8**	**TP-020**		
123A90-FDL-PP-DI-00094-01	1"-HY-190-03HSS-N	1	J3	03HSS	25-06 / 64-10	1"	300LB	5/8"	4	094	1"	HY	190	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00094-01	1	1"-HY-190-03HSS-N	HY-190	03HSS	64-10	J3	094-1-J3	Joint 094-1-J3	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	**158,8**	**TP-020**		
123A90-FDL-PP-DI-00094-01	1"-HY-190-03HSS-N	1	J4	03HSS	25-06 / 64-10	1"	300LB	5/8"	4	094	1"	HY	190	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00094-01	1	1"-HY-190-03HSS-N	HY-190	03HSS	64-10	J4	094-1-J4	Joint 094-1-J4	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	**158,8**	**TP-020**		
123A90-FDL-PP-DI-00094-01	1"-HY-190-03HSS-N	1	J5	03HSS	25-06 / 64-10	1"	300LB	5/8"	4	094	1"	HY	190	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00094-01	1	1"-HY-190-03HSS-N	HY-190	03HSS	64-10	J5	094-1-J5	Joint 094-1-J5	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	**158,8**	**TP-020**		
123A90-FDL-PP-DI-00094-01	1"-HY-190-03HSS-N	1	J6	03HSS	25-06 / 64-10	1"	300LB	5/8"	4	094	1"	HY	190	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00094-01	1	1"-HY-190-03HSS-N	HY-190	03HSS	25-06	J6	094-1-J6	Joint 094-1-J6	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	**158,8**	**TP-019**		
123A90-FDL-PP-DI-00094-01	1"-HY-190-03HSS-N	1	J7	03HSS	25-06 / 64-10	1"	300LB	5/8"	4	094	1"	HY	190	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00094-01	1	1"-HY-190-03HSS-N	HY-190	03HSS	25-06	J7	094-1-J7	Joint 094-1-J7	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	**158,8**	**TP-019**		
123A90-FDL-PP-DI-00094-01	1"-HY-190-03HSS-N	1	J8	03HSS	25-06 / 64-10	1"	300LB	5/8"	4	094	1"	HY	190	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00094-01	1	1"-HY-190-03HSS-N	HY-190	03HSS	25-06	J8	094-1-J8	Joint 094-1-J8	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	**158,8**	**TP-019**		
123A90-FDL-PP-DI-00094-01	1"-HY-190-03HSS-N	1	J9	03HSS	25-06 / 64-10	1"	300LB	5/8"	4	094	1"	HY	190	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00094-01	1	1"-HY-190-03HSS-N	HY-190	03HSS	25-06	J9	094-1-J9	Joint 094-1-J9	1"	300LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	36	72	**120**	**TP-019**		
123A90-FDL-PP-DI-00016-01	2"-HY-023-01HSS-N	1	J1	01HSS	25-08	3/4"	150LB	1/2"	4	016	2"	HY	023	01HSS	N	RF	1/2"-A193 Gr.B7 Hot di	3/4"-150LB-RF	123A90-FDL-PP-DI-00016-01	1	2"-HY-023-01HSS-N	HY-023	01HSS	25-08	J1	016-1-J1	Joint 016-1-J1	3/4"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	**62,5**	**TP-030**		
123A90-FDL-PP-DI-00016-01	2"-HY-023-01HSS-N	1	J2	01HSS	25-08	3/4"	150LB	1/2"	4	016	2"	HY	023	01HSS	N	RF	1/2"-A193 Gr.B7 Hot di	3/4"-150LB-RF	123A90-FDL-PP-DI-00016-01	1	2"-HY-023-01HSS-N	HY-023	01HSS	25-08	J2	016-1-J2	Joint 016-1-J2	3/4"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	**62,5**	**TP-030**		
123A90-FDL-PP-DI-00016-01	2"-HY-023-01HSS-N	1	J3	01HSS	25-08	3/4"	150LB	1/2"	4	016	2"	HY	023	01HSS	N	RF	1/2"-A193 Gr.B7 Hot di	3/4"-150LB-RF	123A90-FDL-PP-DI-00016-01	1	2"-HY-023-01HSS-N	HY-023	01HSS	25-08	J3	016-1-J3	Joint 016-1-J3	3/4"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	**62,5**	**TP-030**		
123A90-FDL-PP-DI-00016-01	2"-HY-023-01HSS-N	1	J4	01HSS	25-08	3/4"	150LB	1/2"	4	016	2"	HY	023	01HSS	N	RF	1/2"-A193 Gr.B7 Hot di	3/4"-150LB-RF	123A90-FDL-PP-DI-00016-01	1	2"-HY-023-01HSS-N	HY-023	01HSS	25-08	J4	016-1-J4	Joint 016-1-J4	3/4"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	**62,5**	**TP-030**		
123A90-FDL-PP-DI-00016-01	2"-HY-023-01HSS-N	1	J5	01HSS	25-08	3/4"	150LB	1/2"	4	016	2"	HY	023	01HSS	N	RF	1/2"-A193 Gr.B7 Hot di	3/4"-150LB-RF	123A90-FDL-PP-DI-00016-01	1	2"-HY-023-01HSS-N	HY-023	01HSS	25-08	J5	016-1-J5	Joint 016-1-J5	3/4"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	**62,5**	**TP-030**		
123A90-FDL-PP-DI-00016-01	2"-HY-023-01HSS-N	1	J6	01HSS	25-08	3/4"	150LB	1/2"	4	016	2"	HY	023	01HSS	N	RF	1/2"-A193 Gr.B7 Hot di	3/4"-150LB-RF	123A90-FDL-PP-DI-00016-01	1	2"-HY-023-01HSS-N	HY-023	01HSS	25-08	J6	016-1-J6	Joint 016-1-J6	3/4"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	**62,5**	**TP-030**		
123A90-FDL-PP-DI-00016-01	2"-HY-023-01HSS-N	1	J7	01HSS	25-08	3/4"	150LB	1/2"	4	016	2"	HY	023	01HSS	N	RF	1/2"-A193 Gr.B7 Hot di	3/4"-150LB-RF	123A90-FDL-PP-DI-00016-01	1	2"-HY-023-01HSS-N	HY-023	01HSS	25-08	J7	016-1-J7	Joint 016-1-J7	3/4"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	**62,5**	**TP-030**		
123A90-FDL-PP-DI-00016-02	2"-HY-023-01HSS-N	2	J10	01HSS	25-08	1.1/4"	150LB	5/8"	4	016	2"	HY	023	01HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1.1/4"-150LB-RF	123A90-FDL-PP-DI-00016-02	2	2"-HY-023-01HSS-N	HY-023	01HSS	25-08	J10	016-2-J10	Joint 016-2-J10	1.1/4"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	37	73	**122,2**	**TP-030**		
123A90-FDL-PP-DI-00016-02	2"-HY-023-01HSS-N	2	J8	01HSS	25-08	2"	150LB	5/8"	4	016	2"	HY	023	01HSS	N	RF	5/8"-A193 Gr.B7 Hot di	2"-150LB-RF	123A90-FDL-PP-DI-00016-02	2	2"-HY-023-01HSS-N	HY-023	01HSS	25-08	J8	016-2-J8	Joint 016-2-J8	2"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	37	73	**122,2**	**TP-030**		
123A90-FDL-PP-DI-00016-02	2"-HY-023-01HSS-N	2	J9	01HSS	25-08	2"	150LB	5/8"	4	016	2"	HY	023	01HSS	N	RF	5/8"-A193 Gr.B7 Hot di	2"-150LB-RF	123A90-FDL-PP-DI-00016-02	2	2"-HY-023-01HSS-N	HY-023	01HSS	25-08	J9	016-2-J9	Joint 016-2-J9	2"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	37	73	**122,2**	**TP-030**		
123A90-FDL-PP-DI-00061-02	1-1/2"-HY-148-03HSS-N	2	J1	03HSS	25-08	1.1/2"	300LB	3/4"	4	061	1.1/2"	HY	148	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	1.1/2"-300LB-RF	123A90-FDL-PP-DI-00061-02	2	1-1/2"-HY-148-03HSS-N	HY-148	03HSS	25-08	J1	061-2-J1	Joint 061-2-J1	1.1/2"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	4	N.A.	82	165	**274,4**	**TP-031**		
123A90-FDL-PP-DI-00061-02	1-1/2"-HY-148-03HSS-N	2	J2	03HSS	25-08	1.1/2"	300LB	3/4"	4	061	1.1/2"	HY	148	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	1.1/2"-300LB-RF	123A90-FDL-PP-DI-00061-02	2	1-1/2"-HY-148-03HSS-N	HY-148	03HSS	25-08	J2	061-2-J2	Joint 061-2-J2	1.1/2"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	4	N.A.	82	165	**274,4**	**TP-031**		
123A90-FDL-PP-DI-00061-02	1-1/2"-HY-148-03HSS-N	2	J3	03HSS	25-08	1.1/2"	300LB	3/4"	4	061	1.1/2"	HY	148	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	1.1/2"-300LB-RF	123A90-FDL-PP-DI-00061-02	2	1-1/2"-HY-148-03HSS-N	HY-148	03HSS	25-08	J3	061-2-J3	Joint 061-2-J3	1.1/2"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	4	N.A.	82	165	**274,4**	**TP-031**		
123A90-FDL-PP-DI-00061-02	1-1/2"-HY-148-03HSS-N	2	J4	03HSS	25-08	1.1/2"	300LB	3/4"	4	061	1.1/2"	HY	148	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	1.1/2"-300LB-RF	123A90-FDL-PP-DI-00061-02	2	1-1/2"-HY-148-03HSS-N	HY-148	03HSS	25-08	J4	061-2-J4	Joint 061-2-J4	1.1/2"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	4	N.A.	82	165	**274,4**	**TP-031**		
123A90-FDL-PP-DI-00061-02	1-1/2"-HY-148-03HSS-N	2	J5	03HSS	25-08	1.1/2"	300LB	3/4"	4	061	1.1/2"	HY	148	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	1.1/2"-300LB-RF	123A90-FDL-PP-DI-00061-02	2	1-1/2"-HY-148-03HSS-N	HY-148	03HSS	25-08	J5	061-2-J5	Joint 061-2-J5	1.1/2"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	4	N.A.	82	165	**274,4**	**TP-031**		
123A90-FDL-PP-DI-00061-02	1-1/2"-HY-148-03HSS-N	2	J6	03HSS	25-08	1.1/2"	300LB	3/4"	4	061	1.1/2"	HY	148	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	1.1/2"-300LB-RF	123A90-FDL-PP-DI-00061-02	2	1-1/2"-HY-148-03HSS-N	HY-148	03HSS	25-08	J6	061-2-J6	Joint 061-2-J6	1.1/2"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	4	N.A.	82	165	**274,4**	**TP-031**		
123A90-FDL-PP-DI-00061-02	1-1/2"-HY-148-03HSS-N	2	J7	03HSS	25-08	1.1/2"	300LB	3/4"	4	061	1.1/2"	HY	148	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	1.1/2"-300LB-RF	123A90-FDL-PP-DI-00061-02	2	1-1/2"-HY-148-03HSS-N	HY-148	03HSS	25-08	J7	061-2-J7	Joint 061-2-J7	1.1/2"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	4	N.A.	82	165	**274,4**	**TP-031**		
123A90-FDL-PP-DI-00061-02	1-1/2"-HY-148-03HSS-N	2	J8	03HSS	25-08	1.1/2"	300LB	3/4"	4	061	1.1/2"	HY	148	03HSS	N	RF	3/4"-A193 Gr.B7 Hot di	1.1/2"-300LB-RF	123A90-FDL-PP-DI-00061-02	2	1-1/2"-HY-148-03HSS-N	HY-148	03HSS	25-08	J8	061-2-J8	Joint 061-2-J8	1.1/2"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	4	N.A.	82	165	**274,4**	**TP-031**		
123A90-FDL-PP-DI-00006-01	6"-VL-010-01HSS-N	1	J1	01HSS	43-00	6"	150LB	3/4"	8	006	6"	VL	010	01HSS	N	RF	3/4"-A193 Gr.B7 Hot di	6"-150LB-RF	123A90-FDL-PP-DI-00006-01	1	6"-VL-010-01HSS-N	VL-010	01HSS	43-00	J1	006-1-J1	Joint 006-1-J1	6"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	63	127	**211,1**	**TP-024**		
123A90-FDL-PP-DI-00006-01	6"-VL-010-01HSS-N	1	J2	01HSS	43-00	6"	150LB	3/4"	8	006	6"	VL	010	01HSS	N	RF	3/4"-A193 Gr.B7 Hot di	6"-150LB-RF	123A90-FDL-PP-DI-00006-01	1	6"-VL-010-01HSS-N	VL-010	01HSS	43-00	J2	006-1-J2	Joint 006-1-J2	6"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	63	127	**211,1**	**TP-024**		
123A90-FDL-PP-DI-00006-01	6"-VL-010-01HSS-N	1	J3	01HSS	43-00	4"	150LB	3/4"	8	006	6"	VL	010	01HSS	N	RF	3/4"-A193 Gr.B7 Hot di	4"-150LB-RF	123A90-FDL-PP-DI-00006-01	1	6"-VL-010-01HSS-N	VL-010	01HSS	43-00	J3	006-1-J3	Joint 006-1-J3	4"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	3/4"	8	N.A.	63	127	**211,1**	**TP-024**		
123A90-FDL-PP-DI-00018-01	4"-VL-025-01HSS-N	1	J1	01HSS	43-00	2"	150LB	5/8"	4	018	4"	VL	025	01HSS	N	RF	5/8"-A193 Gr.B7 Hot di	2"-150LB-RF	123A90-FDL-PP-DI-00018-01	1	4"-VL-025-01HSS-N	VL-025	01HSS	43-00	J1	018-1-J1	Joint 018-1-J1	2"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	37	73	**122,2**	**TP-024**		
123A90-FDL-PP-DI-00018-01	4"-VL-025-01HSS-N	1	J2	01HSS	43-00	4"	150LB	5/8"	8	018	4"	VL	025	01HSS	N	RF	5/8"-A193 Gr.B7 Hot di	4"-150LB-RF	123A90-FDL-PP-DI-00018-01	1	4"-VL-025-01HSS-N	VL-025	01HSS	43-00	J2	018-1-J2	Joint 018-1-J2	4"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	8	N.A.	37	73	**122,2**	**TP-024**		
123A90-FDL-PP-DI-00018-01	4"-VL-025-01HSS-N	1	J3	01HSS	43-00	4"	150LB	5/8"	8	018	4"	VL	025	01HSS	N	RF	5/8"-A193 Gr.B7 Hot di	4"-150LB-RF	123A90-FDL-PP-DI-00018-01	1	4"-VL-025-01HSS-N	VL-025	01HSS	43-00	J3	018-1-J3	Joint 018-1-J3	4"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	8	N.A.	37	73	**122,2**	**TP-024**		
123A90-FDL-PP-DI-00020-01	1"-N-028-03HSS-N	1	J1	03HSS	64-10	1"	300LB	5/8"	4	020	1"	N	028	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00020-01	1	1"-N-028-03HSS-N	N-028	03HSS	64-10	J1	020-1-J1	Joint 020-1-J1	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	**158,8**	**TP-020**		
123A90-FDL-PP-DI-00020-01	1"-N-028-03HSS-N	1	J2	03HSS	64-10	1"	300LB	5/8"	4	020	1"	N	028	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00020-01	1	1"-N-028-03HSS-N	N-028	03HSS	64-10	J2	020-1-J2	Joint 020-1-J2	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	**158,8**	**TP-020**		
123A90-FDL-PP-DI-00034-01	1"-N-100-01CS-N	1	J1	01CS	64-10	1"	150LB	1/2"	4	034	1"	N	100	01CS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00034-01	1	1"-N-100-01CS-N	N-100	01CS	64-10	J1	034-1-J1	Joint 034-1-J1	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	**62,5**	**TP-023**		
123A90-FDL-PP-DI-00034-01	1"-N-100-01CS-N	1	J2	01CS	64-10	1"	150LB	1/2"	4	034	1"	N	100	01CS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00034-01	1	1"-N-100-01CS-N	N-100	01CS	64-10	J2	034-1-J2	Joint 034-1-J2	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	**62,5**	**TP-023**		
123A90-FDL-PP-DI-00034-01	1"-N-100-01CS-N	1	J3	01CS	64-10	3/4"	150LB	1/2"	4	034	1"	N	100	01CS	N	RF	1/2"-A193 Gr.B7 Hot di	3/4"-150LB-RF	123A90-FDL-PP-DI-00034-01	1	1"-N-100-01CS-N	N-100	01CS	64-10	J3	034-1-J3	Joint 034-1-J3	3/4"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	**62,5**	**TP-023**		
123A90-FDL-PP-DI-00034-01	1"-N-100-01CS-N	1	J4	01CS	64-10	3/4"	150LB	1/2"	4	034	1"	N	100	01CS	N	RF	1/2"-A193 Gr.B7 Hot di	3/4"-150LB-RF	123A90-FDL-PP-DI-00034-01	1	1"-N-100-01CS-N	N-100	01CS	64-10	J4	034-1-J4	Joint 034-1-J4	3/4"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	**62,5**	**TP-023**		
123A90-FDL-PP-DI-00034-01	1"-N-100-01CS-N	1	J5	01CS	64-10	3/4"	150LB	1/2"	4	034	1"	N	100	01CS	N	RF	1/2"-A193 Gr.B7 Hot di	3/4"-150LB-RF	123A90-FDL-PP-DI-00034-01	1	1"-N-100-01CS-N	N-100	01CS	64-10	J5	034-1-J5	Joint 034-1-J5	3/4"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	**62,5**	**TP-023**		
123A90-FDL-PP-DI-00037-01	4"-VL-111-01HSS-N	1	J1	01HSS	43-00	2"	150LB	5/8"	4	037	4"	VL	111	01HSS	N	RF	5/8"-A193 Gr.B7 Hot di	2"-150LB-RF	123A90-FDL-PP-DI-00037-01	1	4"-VL-111-01HSS-N	VL-111	01HSS	43-00	J1	037-1-J1	Joint 037-1-J1	2"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	37	73	**122,2**	**TP-024**		
123A90-FDL-PP-DI-00037-01	4"-VL-111-01HSS-N	1	J2	01HSS	43-00	4"	150LB	5/8"	8	037	4"	VL	111	01HSS	N	RF	5/8"-A193 Gr.B7 Hot di	4"-150LB-RF	123A90-FDL-PP-DI-00037-01	1	4"-VL-111-01HSS-N	VL-111	01HSS	43-00	J2	037-1-J2	Joint 037-1-J2	4"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	8	N.A.	37	73	**122,2**	**TP-024**		
123A90-FDL-PP-DI-00037-01	4"-VL-111-01HSS-N	1	J3	01HSS	43-00	4"	150LB	5/8"	8	037	4"	VL	111	01HSS	N	RF	5/8"-A193 Gr.B7 Hot di	4"-150LB-RF	123A90-FDL-PP-DI-00037-01	1	4"-VL-111-01HSS-N	VL-111	01HSS	43-00	J3	037-1-J3	Joint 037-1-J3	4"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	8	N.A.	37	73	**122,2**	**TP-024**		
123A90-FDL-PP-DI-00038-01	4"-VL-112-01HSS-N	1	J1	01HSS	43-00	2"	150LB	5/8"	4	038	4"	VL	112	01HSS	N	RF	5/8"-A193 Gr.B7 Hot di	2"-150LB-RF	123A90-FDL-PP-DI-00038-01	1	4"-VL-112-01HSS-N	VL-112	01HSS	43-00	J1	038-1-J1	Joint 038-1-J1	2"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	37	73	**122,2**	**TP-024**		
123A90-FDL-PP-DI-00038-01	4"-VL-112-01HSS-N	1	J2	01HSS	43-00	4"	150LB	5/8"	8	038	4"	VL	112	01HSS	N	RF	5/8"-A193 Gr.B7 Hot di	4"-150LB-RF	123A90-FDL-PP-DI-00038-01	1	4"-VL-112-01HSS-N	VL-112	01HSS	43-00	J2	038-1-J2	Joint 038-1-J2	4"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	8	N.A.	37	73	**122,2**	**TP-024**		
123A90-FDL-PP-DI-00038-01	4"-VL-112-01HSS-N	1	J3	01HSS	43-00	4"	150LB	5/8"	8	038	4"	VL	112	01HSS	N	RF	5/8"-A193 Gr.B7 Hot di	4"-150LB-RF	123A90-FDL-PP-DI-00038-01	1	4"-VL-112-01HSS-N	VL-112	01HSS	43-00	J3	038-1-J3	Joint 038-1-J3	4"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	8	N.A.	37	73	**122,2**	**TP-024**		
123A90-FDL-PP-DI-00039-01	4"-VL-113-01HSS-N	1	J1	01HSS	43-00	2"	150LB	5/8"	4	039	4"	VL	113	01HSS	N	RF	5/8"-A193 Gr.B7 Hot di	2"-150LB-RF	123A90-FDL-PP-DI-00039-01	1	4"-VL-113-01HSS-N	VL-113	01HSS	43-00	J1	039-1-J1	Joint 039-1-J1	2"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	37	73	**122,2**	**TP-024**		
123A90-FDL-PP-DI-00039-01	4"-VL-113-01HSS-N	1	J2	01HSS	43-00	4"	150LB	5/8"	8	039	4"	VL	113	01HSS	N	RF	5/8"-A193 Gr.B7 Hot di	4"-150LB-RF	123A90-FDL-PP-DI-00039-01	1	4"-VL-113-01HSS-N	VL-113	01HSS	43-00	J2	039-1-J2	Joint 039-1-J2	4"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	8	N.A.	37	73	**122,2**	**TP-024**		
123A90-FDL-PP-DI-00039-01	4"-VL-113-01HSS-N	1	J3	01HSS	43-00	4"	150LB	5/8"	8	039	4"	VL	113	01HSS	N	RF	5/8"-A193 Gr.B7 Hot di	4"-150LB-RF	123A90-FDL-PP-DI-00039-01	1	4"-VL-113-01HSS-N	VL-113	01HSS	43-00	J3	039-1-J3	Joint 039-1-J3	4"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	8	N.A.	37	73	**122,2**	**TP-024**		
123A90-FDL-PP-DI-00040-01	4"-VL-114-01HSS-N	1	J1	01HSS	43-00	2"	150LB	5/8"	4	040	4"	VL	114	01HSS	N	RF	5/8"-A193 Gr.B7 Hot di	2"-150LB-RF	123A90-FDL-PP-DI-00040-01	1	4"-VL-114-01HSS-N	VL-114	01HSS	43-00	J1	040-1-J1	Joint 040-1-J1	2"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	37	73	**122,2**	**TP-024**		
123A90-FDL-PP-DI-00040-01	4"-VL-114-01HSS-N	1	J2	01HSS	43-00	4"	150LB	5/8"	8	040	4"	VL	114	01HSS	N	RF	5/8"-A193 Gr.B7 Hot di	4"-150LB-RF	123A90-FDL-PP-DI-00040-01	1	4"-VL-114-01HSS-N	VL-114	01HSS	43-00	J2	040-1-J2	Joint 040-1-J2	4"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	8	N.A.	37	73	**122,2**	**TP-024**		
123A90-FDL-PP-DI-00040-01	4"-VL-114-01HSS-N	1	J3	01HSS	43-00	4"	150LB	5/8"	8	040	4"	VL	114	01HSS	N	RF	5/8"-A193 Gr.B7 Hot di	4"-150LB-RF	123A90-FDL-PP-DI-00040-01	1	4"-VL-114-01HSS-N	VL-114	01HSS	43-00	J3	040-1-J3	Joint 040-1-J3	4"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	8	N.A.	37	73	**122,2**	**TP-024**		
123A90-FDL-PP-DI-00041-01	4"-VL-115-01HSS-N	1	J1	01HSS	43-00	2"	150LB	5/8"	4	041	4"	VL	115	01HSS	N	RF	5/8"-A193 Gr.B7 Hot di	2"-150LB-RF	123A90-FDL-PP-DI-00041-01	1	4"-VL-115-01HSS-N	VL-115	01HSS	43-00	J1	041-1-J1	Joint 041-1-J1	2"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	37	73	**122,2**	**TP-024**		
123A90-FDL-PP-DI-00041-01	4"-VL-115-01HSS-N	1	J2	01HSS	43-00	4"	150LB	5/8"	8	041	4"	VL	115	01HSS	N	RF	5/8"-A193 Gr.B7 Hot di	4"-150LB-RF	123A90-FDL-PP-DI-00041-01	1	4"-VL-115-01HSS-N	VL-115	01HSS	43-00	J2	041-1-J2	Joint 041-1-J2	4"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	8	N.A.	37	73	**122,2**	**TP-024**		
123A90-FDL-PP-DI-00041-01	4"-VL-115-01HSS-N	1	J3	01HSS	43-00	4"	150LB	5/8"	8	041	4"	VL	115	01HSS	N	RF	5/8"-A193 Gr.B7 Hot di	4"-150LB-RF	123A90-FDL-PP-DI-00041-01	1	4"-VL-115-01HSS-N	VL-115	01HSS	43-00	J3	041-1-J3	Joint 041-1-J3	4"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	8	N.A.	37	73	**122,2**	**TP-024**		
123A90-FDL-PP-DI-00042-02	10"-VL-116-01HSS-N	2	J1	01HSS	43-00	10"	150LB	7/8"	12	042	10"	VL	116	01HSS	N	RF	7/8"-A193 Gr.B7 Hot di	10"-150LB-RF	123A90-FDL-PP-DI-00042-02	2	10"-VL-116-01HSS-N	VL-116	01HSS	43-00	J1	042-2-J1	Joint 042-2-J1	10"	150LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	7/8"	12	N.A.	102	204	**340**	**TP-024**		
123A90-FDL-PP-DI-00043-01	10"-VL-117-01HSS-N	1	J1	01HSS	43-00	10"	150LB	7/8"	12	043	10"	VL	117	01HSS	N	RF	7/8"-A193 Gr.B7 Hot di	10"-150LB-RF	123A90-FDL-PP-DI-00043-01	1	10"-VL-117-01HSS-N	VL-117	01HSS	43-00	J1	043-1-J1	Joint 043-1-J1	10"	150LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	7/8"	12	N.A.	102	204	**340**	**TP-044**		
123A90-FDL-PP-DI-00043-01	10"-VL-117-01HSS-N	1	J2	01HSS	43-00	10"	150LB	7/8"	12	043	10"	VL	117	01HSS	N	RF	7/8"-A193 Gr.B7 Hot di	10"-150LB-RF	123A90-FDL-PP-DI-00043-01	1	10"-VL-117-01HSS-N	VL-117	01HSS	43-00	J2	043-1-J2	Joint 043-1-J2	10"	150LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	7/8"	12	N.A.	102	204	**340**	**TP-044**		
123A90-FDL-PP-DI-00043-01	10"-VL-117-01HSS-N	1	J3	01HSS	43-00	10"	150LB	7/8"	12	043	10"	VL	117	01HSS	N	RF	7/8"-A193 Gr.B7 Hot di	10"-150LB-RF	123A90-FDL-PP-DI-00043-01	1	10"-VL-117-01HSS-N	VL-117	01HSS	43-00	J3	043-1-J3	Joint 043-1-J3	10"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	7/8"	12	N.A.	101	201	**335,2**	**TP-044**		
123A90-FDL-PP-DI-00043-01	10"-VL-117-01HSS-N	1	J4	01HSS	43-00	10"	150LB	7/8"	12	043	10"	VL	117	01HSS	N	RF	7/8"-A193 Gr.B7 Hot di	10"-150LB-RF	123A90-FDL-PP-DI-00043-01	1	10"-VL-117-01HSS-N	VL-117	01HSS	43-00	J4	043-1-J4	Joint 043-1-J4	10"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	7/8"	12	N.A.	101	201	**335,2**	**TP-044**		
123A90-FDL-PP-DI-00045-01	1"-N-124-03HSS-N	1	J1	03HSS	64-10	1"	300LB	5/8"	4	045	1"	N	124	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00045-01	1	1"-N-124-03HSS-N	N-124	03HSS	64-10	J1	045-1-J1	Joint 045-1-J1	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	**158,8**	**TP-020**		

Isometric_DWG_Num	Line_Num	Sheet	Joint_Num	Piping_Class	Sub_System	Flange_Dia	Joint_Rating	Bolt_Dia	Bolts_Num	Sketch_Num						RF/RJ/FF	Bolt_Dia-Bolt Material	Flange_Dia-Joint_Rating-Gasket_Type	Line_iso_Num	Sheet	Line_Num	Short_Line_Num	Piping_Class	Sub_System	Joint_Num	Tag No.	Tag Description	Flange_Dia	Joint_Rating	Gasket Type	Gasket Material	Bolt Material	Nut Material	Bolt_Dia	Bolts_Num	Clamp_Type	Torque 30% [Nm]	Torque 60% [Nm]	Final Torque [Nm]	Test Pack Nr.	Note	SOW
123A90-FDL-PP-DI-00045-01	1"-N-124-03HSS-N	1	J2	03HSS	64-10	1"	300LB	5/8"	4	045	1"	N	124	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00045-01	1	1"-N-124-03HSS-N	N-124	03HSS	64-10	J2	045-1-J2	Joint 045-1-J2	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-020		
123A90-FDL-PP-DI-00046-01	1"-N-125-03HSS-N	1	J1	03HSS	64-10	1"	300LB	5/8"	4	046	1"	N	125	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00046-01	1	1"-N-125-03HSS-N	N-125	03HSS	64-10	J1	046-1-J1	Joint 046-1-J1	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-020		
123A90-FDL-PP-DI-00046-01	1"-N-125-03HSS-N	1	J2	03HSS	64-10	1"	300LB	5/8"	4	046	1"	N	125	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00046-01	1	1"-N-125-03HSS-N	N-125	03HSS	64-10	J2	046-1-J2	Joint 046-1-J2	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-020		
123A90-FDL-PP-DI-00047-01	1"-N-126-03HSS-N	1	J1	03HSS	64-10	1"	300LB	5/8"	4	047	1"	N	126	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00047-01	1	1"-N-126-03HSS-N	N-126	03HSS	64-10	J1	047-1-J1	Joint 047-1-J1	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-020		
123A90-FDL-PP-DI-00047-01	1"-N-126-03HSS-N	1	J2	03HSS	64-10	1"	300LB	5/8"	4	047	1"	N	126	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00047-01	1	1"-N-126-03HSS-N	N-126	03HSS	64-10	J2	047-1-J2	Joint 047-1-J2	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-020		
123A90-FDL-PP-DI-00048-01	1"-N-127-03HSS-N	1	J1	03HSS	64-10	1"	300LB	5/8"	4	048	1"	N	127	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00048-01	1	1"-N-127-03HSS-N	N-127	03HSS	64-10	J1	048-1-J1	Joint 048-1-J1	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-020		
123A90-FDL-PP-DI-00048-01	1"-N-127-03HSS-N	1	J2	03HSS	64-10	1"	300LB	5/8"	4	048	1"	N	127	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00048-01	1	1"-N-127-03HSS-N	N-127	03HSS	64-10	J2	048-1-J2	Joint 048-1-J2	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-020		
123A90-FDL-PP-DI-00049-01	1"-N-128-03HSS-N	1	J1	03HSS	64-10	1"	300LB	5/8"	4	049	1"	N	128	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00049-01	1	1"-N-128-03HSS-N	N-128	03HSS	64-10	J1	049-1-J1	Joint 049-1-J1	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-020		
123A90-FDL-PP-DI-00049-01	1"-N-128-03HSS-N	1	J2	03HSS	64-10	1"	300LB	5/8"	4	049	1"	N	128	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00049-01	1	1"-N-128-03HSS-N	N-128	03HSS	64-10	J2	049-1-J2	Joint 049-1-J2	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-020		
123A90-FDL-PP-DI-00062-02	1"-N-151-01CS-N	2	J1	01CS	64-10	1"	150LB	1/2"	4	062	1"	N	151	01CS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00062-02	2	1"-N-151-01CS-N	N-151	01CS	64-10	J1	062-2-J1	Joint 062-2-J1	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-023		
123A90-FDL-PP-DI-00062-02	1"-N-151-01CS-N	2	J2	01CS	64-10	1"	150LB	1/2"	4	062	1"	N	151	01CS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00062-02	2	1"-N-151-01CS-N	N-151	01CS	64-10	J2	062-2-J2	Joint 062-2-J2	1"	150LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	20	39	65	TP-023		
123A90-FDL-PP-DI-00062-02	1"-N-151-01CS-N	2	J3	01CS	64-10	1"	150LB	1/2"	4	062	1"	N	151	01CS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00062-02	2	1"-N-151-01CS-N	N-151	01CS	64-10	J3	062-2-J3	Joint 062-2-J3	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-023		
123A90-FDL-PP-DI-00065-01	1"-N-154-01HSS-N	1	J1	01HSS	43-00 / 64-10	1"	150LB	1/2"	4	065	1"	N	154	01HSS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00065-01	1	1"-N-154-01HSS-N	N-154	01HSS	64-10	J1	065-1-J1	Joint 065-1-J1	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-047		
123A90-FDL-PP-DI-00065-01	1"-N-154-01HSS-N	1	J2	01HSS	43-00 / 64-10	1"	150LB	1/2"	4	065	1"	N	154	01HSS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00065-01	1	1"-N-154-01HSS-N	N-154	01HSS	64-10	J2	065-1-J2	Joint 065-1-J2	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-047		
123A90-FDL-PP-DI-00065-01	1"-N-154-01HSS-N	1	J3	01HSS	43-00 / 64-10	1"	150LB	1/2"	4	065	1"	N	154	01HSS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00065-01	1	1"-N-154-01HSS-N	N-154	01HSS	64-10	J3	065-1-J3	Joint 065-1-J3	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-047		
123A90-FDL-PP-DI-00065-01	1"-N-154-01HSS-N	1	J4	01HSS	43-00 / 64-10	1"	150LB	1/2"	4	065	1"	N	154	01HSS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00065-01	1	1"-N-154-01HSS-N	N-154	01HSS	43-00	J4	065-1-J4	Joint 065-1-J4	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-024		
123A90-FDL-PP-DI-00066-01	1"-N-158-01CS-N	1	J1	01CS	64-00 / 64-10	1"	150LB	1/2"	4	066	1"	N	158	01CS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00066-01	1	1"-N-158-01CS-N	N-158	01CS	64-00	J1	066-1-J1	Joint 066-1-J1	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-029		
123A90-FDL-PP-DI-00066-01	1"-N-158-01CS-N	1	J2	01CS	64-00 / 64-10	1"	150LB	1/2"	4	066	1"	N	158	01CS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00066-01	1	1"-N-158-01CS-N	N-158	01CS	64-00	J2	066-1-J2	Joint 066-1-J2	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-029		
123A90-FDL-PP-DI-00066-01	1"-N-158-01CS-N	1	J3	01CS	64-00 / 64-10	1"	150LB	1/2"	4	066	1"	N	158	01CS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00066-01	1	1"-N-158-01CS-N	N-158	01CS	64-10	J3	066-1-J3	Joint 066-1-J3	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-023		
123A90-FDL-PP-DI-00066-01	1"-N-158-01CS-N	1	J4	01CS	64-00 / 64-10	1"	150LB	1/2"	4	066	1"	N	158	01CS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00066-01	1	1"-N-158-01CS-N	N-158	01CS	64-10	J4	066-1-J4	Joint 066-1-J4	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-023		
123A90-FDL-PP-DI-00066-01	1"-N-158-01CS-N	1	J5	01CS	64-00 / 64-10	1"	150LB	1/2"	4	066	1"	N	158	01CS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00066-01	1	1"-N-158-01CS-N	N-158	01CS	64-10	J5	066-1-J5	Joint 066-1-J5	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-023		
123A90-FDL-PP-DI-00066-01	1"-N-158-01CS-N	1	J6	01CS	64-00 / 64-10	3/4"	150LB	1/2"	4	066	1"	N	158	01CS	N	RF	1/2"-A193 Gr.B7 Hot di	3/4"-150LB-RF	123A90-FDL-PP-DI-00066-01	1	1"-N-158-01CS-N	N-158	01CS	64-00	J6	066-1-J6	Joint 066-1-J6	3/4"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-029		
123A90-FDL-PP-DI-00066-01	1"-N-158-01CS-N	1	J7	01CS	64-00 / 64-10	3/4"	150LB	1/2"	4	066	1"	N	158	01CS	N	RF	1/2"-A193 Gr.B7 Hot di	3/4"-150LB-RF	123A90-FDL-PP-DI-00066-01	1	1"-N-158-01CS-N	N-158	01CS	64-00	J7	066-1-J7	Joint 066-1-J7	3/4"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-029		
123A90-FDL-PP-DI-00095-01	1"-IA-191-01SS-N	1	J1	01SS	63-30	1"	150LB	1/2"	4	095	1"	IA	191	01SS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00095-01	1	1"-IA-191-01SS-N	IA-191	01SS	63-30	J1	095-1-J1	Joint 095-1-J1	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-027		
123A90-FDL-PP-DI-00095-01	1"-IA-191-01SS-N	1	J2	01SS	63-30	1"	150LB	1/2"	4	095	1"	IA	191	01SS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00095-01	1	1"-IA-191-01SS-N	IA-191	01SS	63-30	J2	095-1-J2	Joint 095-1-J2	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-027		
123A90-FDL-PP-DI-00095-01	1"-IA-191-01SS-N	1	J3	01SS	63-30	1"	150LB	1/2"	4	095	1"	IA	191	01SS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00095-01	1	1"-IA-191-01SS-N	IA-191	01SS	63-30	J3	095-1-J3	Joint 095-1-J3	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-027		
123A90-FDL-PP-DI-00097-01	1-1/2"-N-197-01CS-N	1	J1	01CS	64-10	1.1/2"	150LB	1/2"	4	097	1.1/2"	N	197	01CS	N	RF	1/2"-A193 Gr.B7 Hot di	1.1/2"-150LB-RF	123A90-FDL-PP-DI-00097-01	1	1-1/2"-N-197-01CS-N	N-197	01CS	64-10	J1	097-1-J1	Joint 097-1-J1	1.1/2"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-023		
123A90-FDL-PP-DI-00097-01	1-1/2"-N-197-01CS-N	1	J2	01CS	64-10	1.1/2"	150LB	1/2"	4	097	1.1/2"	N	197	01CS	N	RF	1/2"-A193 Gr.B7 Hot di	1.1/2"-150LB-RF	123A90-FDL-PP-DI-00097-01	1	1-1/2"-N-197-01CS-N	N-197	01CS	64-10	J2	097-1-J2	Joint 097-1-J2	1.1/2"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-023		
123A90-FDL-PP-DI-00097-01	1-1/2"-N-197-01CS-N	1	J3	01CS	64-10	1"	150LB	1/2"	4	097	1.1/2"	N	197	01CS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00097-01	1	1-1/2"-N-197-01CS-N	N-197	01CS	64-10	J3	097-1-J3	Joint 097-1-J3	1"	150LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	20	39	65	TP-023		
123A90-FDL-PP-DI-00101-01	1"-IA-203-01SS-N	1	J1	01SS	63-30	1"	150LB	1/2"	4	101	1"	IA	203	01SS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00101-01	1	1"-IA-203-01SS-N	IA-203	01SS	63-30	J1	101-1-J1	Joint 101-1-J1	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-027		
123A90-FDL-PP-DI-00101-01	1"-IA-203-01SS-N	1	J2	01SS	63-30	1"	150LB	1/2"	4	101	1"	IA	203	01SS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00101-01	1	1"-IA-203-01SS-N	IA-203	01SS	63-30	J2	101-1-J2	Joint 101-1-J2	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-027		
123A90-FDL-PP-DI-00102-01	1-1/2"-IA-204-01SS-N	1	J1	01SS	63-30 / 64-00	1.1/2"	150LB	1/2"	4	102	1.1/2"	IA	204	01SS	N	RF	1/2"-A193 Gr.B7 Hot di	1.1/2"-150LB-RF	123A90-FDL-PP-DI-00102-01	1	1-1/2"-IA-204-01SS-N	IA-204	01SS	64-00	J1	102-1-J1	Joint 102-1-J1	1.1/2"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-029		
123A90-FDL-PP-DI-00102-01	1-1/2"-IA-204-01SS-N	1	J2	01SS	63-30 / 64-00	1.1/2"	150LB	1/2"	4	102	1.1/2"	IA	204	01SS	N	RF	1/2"-A193 Gr.B7 Hot di	1.1/2"-150LB-RF	123A90-FDL-PP-DI-00102-01	1	1-1/2"-IA-204-01SS-N	IA-204	01SS	64-00	J2	102-1-J2	Joint 102-1-J2	1.1/2"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-029		
123A90-FDL-PP-DI-00102-01	1-1/2"-IA-204-01SS-N	1	J3	01SS	63-30 / 64-00	1"	150LB	1/2"	4	102	1.1/2"	IA	204	01SS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00102-01	1	1-1/2"-IA-204-01SS-N	IA-204	01SS	64-00	J3	102-1-J3	Joint 102-1-J3	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-029		
123A90-FDL-PP-DI-00103-01	1"-IA-205-01SS-N	1	J1	01SS	63-30	1"	150LB	1/2"	4	103	1"	IA	205	01SS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00103-01	1	1"-IA-205-01SS-N	IA-205	01SS	63-30	J1	103-1-J1	Joint 103-1-J1	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-027		
123A90-FDL-PP-DI-00103-01	1"-IA-205-01SS-N	1	J2	01SS	63-30	1"	150LB	1/2"	4	103	1"	IA	205	01SS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00103-01	1	1"-IA-205-01SS-N	IA-205	01SS	63-30	J2	103-1-J2	Joint 103-1-J2	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-027		
123A90-FDL-PP-DI-00104-01	1"-IA-206-01SS-N	1	J1	01SS	63-30	1"	150LB	1/2"	4	104	1"	IA	206	01SS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00104-01	1	1"-IA-206-01SS-N	IA-206	01SS	63-30	J1	104-1-J1	Joint 104-1-J1	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-027		
123A90-FDL-PP-DI-00104-01	1"-IA-206-01SS-N	1	J2	01SS	63-30	1"	150LB	1/2"	4	104	1"	IA	206	01SS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00104-01	1	1"-IA-206-01SS-N	IA-206	01SS	63-30	J2	104-1-J2	Joint 104-1-J2	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-027		
123A90-FDL-PP-DI-00105-01	1"-IA-207-01SS-N	1	J1	01SS	63-30	1"	150LB	1/2"	4	105	1"	IA	207	01SS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00105-01	1	1"-IA-207-01SS-N	IA-207	01SS	63-30	J1	105-1-J1	Joint 105-1-J1	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-027		
123A90-FDL-PP-DI-00105-01	1"-IA-207-01SS-N	1	J2	01SS	63-30	1"	150LB	1/2"	4	105	1"	IA	207	01SS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00105-01	1	1"-IA-207-01SS-N	IA-207	01SS	63-30	J2	105-1-J2	Joint 105-1-J2	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-027		
123A90-FDL-PP-DI-00106-01	1"-IA-208-01SS-N	1	J1	01SS	63-30	1"	150LB	1/2"	4	106	1"	IA	208	01SS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00106-01	1	1"-IA-208-01SS-N	IA-208	01SS	63-30	J1	106-1-J1	Joint 106-1-J1	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-027		
123A90-FDL-PP-DI-00106-01	1"-IA-208-01SS-N	1	J2	01SS	63-30	1"	150LB	1/2"	4	106	1"	IA	208	01SS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00106-01	1	1"-IA-208-01SS-N	IA-208	01SS	63-30	J2	106-1-J2	Joint 106-1-J2	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-027		
123A90-FDL-PP-DI-00107-01	1"-IA-209-01SS-N	1	J1	01SS	63-30	1"	150LB	1/2"	4	107	1"	IA	209	01SS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00107-01	1	1"-IA-209-01SS-N	IA-209	01SS	63-30	J1	107-1-J1	Joint 107-1-J1	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-027		
123A90-FDL-PP-DI-00107-01	1"-IA-209-01SS-N	1	J2	01SS	63-30	1"	150LB	1/2"	4	107	1"	IA	209	01SS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00107-01	1	1"-IA-209-01SS-N	IA-209	01SS	63-30	J2	107-1-J2	Joint 107-1-J2	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-027		
123A90-FDL-PP-DI-00108-01	1"-IA-210-01SS-N	1	J1	01SS	63-30	1"	150LB	1/2"	4	108	1"	IA	210	01SS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00108-01	1	1"-IA-210-01SS-N	IA-210	01SS	63-30	J1	108-1-J1	Joint 108-1-J1	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-027		
123A90-FDL-PP-DI-00108-01	1"-IA-210-01SS-N	1	J2	01SS	63-30	1"	150LB	1/2"	4	108	1"	IA	210	01SS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00108-01	1	1"-IA-210-01SS-N	IA-210	01SS	63-30	J2	108-1-J2	Joint 108-1-J2	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-027		
123A90-FDL-PP-DI-00109-01	1"-IA-211-01SS-N	1	J1	01SS	63-30	1"	150LB	1/2"	4	109	1"	IA	211	01SS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00109-01	1	1"-IA-211-01SS-N	IA-211	01SS	63-30	J1	109-1-J1	Joint 109-1-J1	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-027		
123A90-FDL-PP-DI-00109-01	1"-IA-211-01SS-N	1	J2	01SS	63-30	1"	150LB	1/2"	4	109	1"	IA	211	01SS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00109-01	1	1"-IA-211-01SS-N	IA-211	01SS	63-30	J2	109-1-J2	Joint 109-1-J2	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-027		
123A90-FDL-PP-DI-00110-01	1"-IA-212-01SS-N	1	J1	01SS	63-30	1"	150LB	1/2"	4	110	1"	IA	212	01SS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00110-01	1	1"-IA-212-01SS-N	IA-212	01SS	63-30	J1	110-1-J1	Joint 110-1-J1	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-027		
123A90-FDL-PP-DI-00110-01	1"-IA-212-01SS-N	1	J2	01SS	63-30	1"	150LB	1/2"	4	110	1"	IA	212	01SS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00110-01	1	1"-IA-212-01SS-N	IA-212	01SS	63-30	J2	110-1-J2	Joint 110-1-J2	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-027		
123A90-FDL-PP-DI-00111-01	1"-IA-213-01SS-N	1	J1	01SS	63-30	1"	150LB	1/2"	4	111	1"	IA	213	01SS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00111-01	1	1"-IA-213-01SS-N	IA-213	01SS	63-30	J1	111-1-J1	Joint 111-1-J1	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-027		
123A90-FDL-PP-DI-00111-01	1"-IA-213-01SS-N	1	J2	01SS	63-30	1"	150LB	1/2"	4	111	1"	IA	213	01SS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00111-01	1	1"-IA-213-01SS-N	IA-213	01SS	63-30	J2	111-1-J2	Joint 111-1-J2	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-027		
123A90-FDL-PP-DI-00112-01	1"-IA-214-01SS-N	1	J1	01SS	63-30	1"	150LB	1/2"	4	112	1"	IA	214	01SS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00112-01	1	1"-IA-214-01SS-N	IA-214	01SS	63-30	J1	112-1-J1	Joint 112-1-J1	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-027		
123A90-FDL-PP-DI-00112-01	1"-IA-214-01SS-N	1	J2	01SS	63-30	1"	150LB	1/2"	4	112	1"	IA	214	01SS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00112-01	1	1"-IA-214-01SS-N	IA-214	01SS	63-30	J2	112-1-J2	Joint 112-1-J2	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-027		
123A90-FDL-PP-DI-00113-01	1"-IA-215-01SS-N	1	J1	01SS	63-30	1"	150LB	1/2"	4	113	1"	IA	215	01SS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00113-01	1	1"-IA-215-01SS-N	IA-215	01SS	63-30	J1	113-1-J1	Joint 113-1-J1	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-027		
123A90-FDL-PP-DI-00113-01	1"-IA-215-01SS-N	1	J2	01SS	63-30	1"	150LB	1/2"	4	113	1"	IA	215	01SS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00113-01	1	1"-IA-215-01SS-N	IA-215	01SS	63-30	J2	113-1-J2	Joint 113-1-J2	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-027		
123A90-FDL-PP-DI-00119-01	1"-IA-223-01SS-N	1	J1	01SS	63-30	1"	150LB	1/2"	4	119	1"	IA	223	01SS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00119-01	1	1"-IA-223-01SS-N	IA-223	01SS	63-30	J1	119-1-J1	Joint 119-1-J1	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-027		
123A90-FDL-PP-DI-00119-01	1"-IA-223-01SS-N	1	J2	01SS	63-30	1"	150LB	1/2"	4	119	1"	IA	223	01SS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00119-01	1	1"-IA-223-01SS-N	IA-223	01SS	63-30	J2	119-1-J2	Joint 119-1-J2	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-027		
123A90-FDL-PP-DI-00122-01	1"-N-257-03HSS-N	1	J1	03HSS	64-10	1"	300LB	5/8"	4	122	1"	N	257	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00122-01	1	1"-N-257-03HSS-N	N-257	03HSS	64-10	J1	122-1-J1	Joint 122-1-J1	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-020		
123A90-FDL-PP-DI-00122-01	1"-N-257-03HSS-N	1	J2	03HSS	64-10	1"	300LB	5/8"	4	122	1"	N	257	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00122-01	1	1"-N-257-03HSS-N	N-257	03HSS	64-10	J2	122-1-J2	Joint 122-1-J2	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-020		
123A90-FDL-PP-DI-00127-02	1-1/2"-IA-263-01SS-N	2	J1	01SS	63-00	2"	150LB	5/8"	4	127	1.1/2"	IA	263	01SS	N	RF	5/8"-A193 Gr.B7 Hot di	2"-150LB-RF	123A90-FDL-PP-DI-00127-02	2	1-1/2"-IA-263-01SS-N	IA-263	01SS	63-00	J1	127-2-J1	Joint 127-2-J1	2"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	37	73	122,2	TP-025		
123A90-FDL-PP-DI-00157-01	1"-VL-293-01HSS-N	1	J1	01HSS	43-00	1"	150LB	1/2"	4	157	1"	VL	293	01HSS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00157-01	1	1"-VL-293-01HSS-N	VL-293	01HSS	43-00	J1	157-1-J1	Joint 157-1-J1	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-024		
123A90-FDL-PP-DI-00001-01	1"-DM-001-01SS-E	1	J1	01SS	50-10	1"	150LB	1/2"	4	001	1"	DM	001	01SS	E	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00001-01	1	1"-DM-001-01SS-E	DM-001	01SS	50-10	J1	001-1-J1	Joint 001-1-J1	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-006		
123A90-FDL-PP-DI-00001-01	1"-DM-001-01SS-E	1	J2	01SS	50-10	1"	150LB	1/2"	4	001	1"	DM	001	01SS	E	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00001-01	1	1"-DM-001-01SS-E	DM-001	01SS	50-10	J2	001-1-J2	Joint 001-1-J2	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-006		
123A90-FDL-PP-DI-00001-01	1"-DM-001-01SS-E	1	J3	01SS	50-10	1"	150LB	1/2"	4	001	1"	DM	001	01SS	E	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00001-01	1	1"-DM-001-01SS-E	DM-001	01SS	50-10	J3	001-1-J3	Joint 001-1-J3	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-006		
123A90-FDL-PP-DI-00001-01	1"-DM-001-01SS-E	1	J4	01SS	50-10	1"	150LB	1/2"	4	001	1"	DM	001	01SS	E	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00001-01	1	1"-DM-001-01SS-E	DM-001	01SS	50-10	J4	001-1-J4	Joint 001-1-J4	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-006		
123A90-FDL-PP-DI-00003-01	1"-WW-004-01CS-H	1	J1	01CS	55-00	3/4"	150LB	1/2"	4	003	1"	WW	004	01CS	H	RF	1/2"-A193 Gr.B7 Hot di	3/4"-150LB-RF	123A90-FDL-PP-DI-00003-01	1	1"-WW-004-01CS-H	WW-004	01CS	55-00	J1	003-1-J1	Joint 003-1-J1	3/4"	150LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	18	36	60	TP-026		
123A90-FDL-PP-DI-00003-01	1"-WW-004-01CS-H	1	J2	01CS	55-00	1"	150LB	1/2"	4	003	1"	WW	004	01CS	H	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00003-01	1	1"-WW-004-01CS-H	WW-004	01CS	55-00	J2	003-1-J2	Joint 003-1-J2	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-026		
123A90-FDL-PP-DI-00004-01	1"-DM-005-01CS-H	1	J1	01CS	55-01	2"	150LB	5/8"	4	004	1"	DM	005	01CS	H	RF	5/8"-A193 Gr.B7 Hot di	2"-150LB-RF	123A90-FDL-PP-DI-00004-01	1	1"-DM-005-01CS-H	DM-005	01CS	55-01	J1	004-1-J1	Joint 004-1-J1	2"	150LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	36	72	120	TP-046		
123A90-FDL-PP-DI-00004-01	1"-DM-005-01CS-H	1	J2	01CS	55-01	1"	150LB	1/2"	4	004	1"	DM	005	01CS	H	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00004-01	1	1"-DM-005-01CS-H	DM-005	01CS	55-01	J2	004-1-J2	Joint 004-1-J2	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-046		
123A90-FDL-PP-DI-00004-01	1"-DM-005-01CS-H	1	J3	01CS	55-01	1"	150LB	1/2"	4	004	1"	DM	005	01CS	H	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00004-01	1	1"-DM-005-01CS-H	DM-005	01CS	55-01	J3	004-1-J3	Joint 004-1-J3	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-046		
123A90-FDL-PP-DI-00007-01	1"-DI-012-01CS-H	1	J1	01CS	55-01	1"	150LB	1/2"	4	007	1"	DI	012	01CS	H	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00007-01	1	1"-DI-012-01CS-H	DI-012	01CS	55-01	J1	007-1-J1	Joint 007-1-J1	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-003		
123A90-FDL-PP-DI-00023-01	1-1/2"-SWS-031-01SD-E	1	J1	01SD	50-00	1.1/2"	150LB	1/2"	4	023	1.1/2"	SWS	031	01SD	E	RF	1/2"-A193 Gr.B7 Hot di	1.1/2"-150LB-RF	123A90-FDL-PP-DI-00023-01	1	1-1/2"-SWS-031-01SD-E	SWS-031	01SD	50-00	J1	023-1-J1	Joint 023-1-J1	1.1/2"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	15	29	48,6	TP-001		
123A90-FDL-PP-DI-00023-01	1-1/2"-SWS-031-01SD-E	1	J10	01SD	50-00	1.1/2"	150LB	1/2"	4	023	1.1/2"	SWS	031	01SD	E	RF	1/2"-A193 Gr.B7 Hot di	1.1/2"-150LB-RF	123A90-FDL-PP-DI-00023-01	1	1-1/2"-SWS-031-01SD-E	SWS-031	01SD	50-00	J10	023-1-J10	Joint 023-1-J10	1.1/2"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	15	29	48,6	TP-001		
123A90-FDL-PP-DI-00023-01	1-1/2"-SWS-031-01SD-E	1	J11	01SD	50-00	1.1/2"	150LB	1/2"	4	023	1.1/2"	SWS	031	01SD	E	RF	1/2"-A193 Gr.B7 Hot di	1.1/2"-150LB-RF	123A90-FDL-PP-DI-00023-01	1	1-1/2"-SWS-031-01SD-E	SWS-031	01SD	50-00	J11	023-1-J11	Joint 023-1-J11	1.1/2"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	15	29	48,6	TP-001		
123A90-FDL-PP-DI-00023-01	1-1/2"-SWS-031-01SD-E	1	J2	01SD	50-00	1.1/2"	150LB	1/2"	4	023	1.1/2"	SWS	031	01SD	E	RF	1/2"-A193 Gr.B7 Hot di	1.1/2"-150LB-RF	123A90-FDL-PP-DI-00023-01	1	1-1/2"-SWS-031-01SD-E	SWS-031	01SD	50-00	J2	023-1-J2	Joint 023-1-J2	1.1/2"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	15	29	48,6	TP-001		
123A90-FDL-PP-DI-00023-01	1-1/2"-SWS-031-01SD-E	1	J3	01SD	50-00	2"	150LB	5/8"	4	023	1.1/2"	SWS	031	01SD	E	RF	5/8"-A193 Gr.B7 Hot di	2"-150LB-RF	123A90-FDL-PP-DI-00023-01	1	1-1/2"-SWS-031-01SD-E	SWS-031	01SD	50-00	J3	023-1-J3	Joint 023-1-J3	2"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	29	57	95	TP-001		
123A90-FDL-PP-DI-00023-01	1-1/2"-SWS-031-01SD-E	1	J4	01SD	50-00	2"	150LB	5/8"	4	023	1.1/2"	SWS	031	01SD	E	RF	5/8"-A193 Gr.B7 Hot di	2"-150LB-RF	123A90-FDL-PP-DI-00023-01	1	1-1/2"-SWS-031-01SD-E	SWS-031	01SD	50-00	J4	023-1-J4	Joint 023-1-J4	2"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	29	57	95	TP-001		
123A90-FDL-PP-DI-00023-01	1-1/2"-SWS-031-01SD-E	1	J5	01SD	50-00	1.1/2"	150LB	1/2"	4	023	1.1/2"	SWS	031	01SD	E	RF	1/2"-A193 Gr.B7 Hot di	1.1/2"-150LB-RF	123A90-FDL-PP-DI-00023-01	1	1-1/2"-SWS-031-01SD-E	SWS-031	01SD	50-00	J5	023-1-J5	Joint 023-1-J5	1.1/2"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	15	29	48,6	TP-001		
123A90-FDL-PP-DI-00023-01	1-1/2"-SWS-031-01SD-E	1	J6	01SD	50-00	1.1/2"	150LB	1/2"	4	023	1.1/2"	SWS	031	01SD	E	RF	1/2"-A193 Gr.B7 Hot di	1.1/2"-150LB-RF	123A90-FDL-PP-DI-00023-01	1	1-1/2"-SWS-031-01SD-E	SWS-031	01SD	50-00	J6	023-1-J6	Joint 023-1-J6	1.1/2"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	15	29	48,6	TP-001		
123A90-FDL-PP-DI-00023-01	1-1/2"-SWS-031-01SD-E	1	J7	01SD	50-00	3/4"	150LB	1/2"	4	023	1.1/2"	SWS	031	01SD	E	RF	1/2"-A193 Gr.B7 Hot di	3/4"-150LB-RF	123A90-FDL-PP-DI-00023-01	1	1-1/2"-SWS-031-01SD-E	SWS-031	01SD	50-00	J7	023-1-J7	Joint 023-1-J7	3/4"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	15	29	48,6	TP-001		
123A90-FDL-PP-DI-00023-01	1-1/2"-SWS-031-01SD-E	1	J8	01SD	50-00	3/4"	150LB	1/2"	4	023	1.1/2"	SWS	031	01SD	E	RF	1/2"-A193 Gr.B7 Hot di	3/4"-150LB-RF	123A90-FDL-PP-DI-00023-01	1	1-1/2"-SWS-031-01SD-E	SWS-031	01SD	50-00	J8	023-1-J8	Joint 023-1-J8	3/4"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	15	29	48,6	TP-001		
123A90-FDL-PP-DI-00023-01	1-1/2"-SWS-031-01SD-E	1	J9	01SD	50-00	1.1/2"	150LB	1/2"	4	023	1.1/2"	SWS	031	01SD	E	RF	1/2"-A193 Gr.B7 Hot di	1.1/2"-150LB-RF	123A90-FDL-PP-DI-00023-01	1	1-1/2"-SWS-031-01SD-E	SWS-031	01SD	50-00	J9	023-1-J9	Joint 023-1-J9	1.1/2"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	15	29	48,6	TP-001		
123A90-FDL-PP-DI-00025-01	1-1/2"-SWS-033-01SD-E	1	J1	01SD	50-00	1.1/2"	150LB	1/2"	4	025	1.1/2"	SWS	033	01SD	E	RF	1/2"-A193 Gr.B7 Hot di	1.1/2"-150LB-RF	123A90-FDL-PP-DI-00025-01	1	1-1/2"-SWS-033-01SD-E	SWS-033	01SD	50-00	J1	025-1-J1	Joint 025-1-J1	1.1/2"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	15	29	48,6	TP-001		
123A90-FDL-PP-DI-00025-01	1-1/2"-SWS-033-01SD-E	1	J10	01SD	50-00	1.1/2"	150LB	1/2"	4	025	1.1/2"	SWS	033	01SD	E	RF	1/2"-A193 Gr.B7 Hot di	1.1/2"-150LB-RF	123A90-FDL-PP-DI-00025-01	1	1-1/2"-SWS-033-01SD-E	SWS-033	01SD	50-00	J10	025-1-J10	Joint 025-1-J10	1.1/2"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	15	29	48,6	TP-001		
123A90-FDL-PP-DI-00025-01	1-1/2"-SWS-033-01SD-E	1	J11	01SD	50-00	1.1/2"	150LB	1/2"	4	025	1.1/2"	SWS	033	01SD	E	RF	1/2"-A193 Gr.B7 Hot di	1.1/2"-150LB-RF	123A90-FDL-PP-DI-00025-01	1	1-1/2"-SWS-033-01SD-E	SWS-033	01SD	50-00	J11	025-1-J11	Joint 025-1-J11	1.1/2"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	15	29	48,6	TP-001		
123A90-FDL-PP-DI-00025-01	1-1/2"-SWS-033-01SD-E	1	J2	01SD	50-00	1.1/2"	150LB	1/2"	4	025	1.1/2"	SWS	033	01SD	E	RF	1/2"-A193 Gr.B7 Hot di	1.1/2"-150LB-RF	123A90-FDL-PP-DI-00025-01	1	1-1/2"-SWS-033-01SD-E	SWS-033	01SD	50-00	J2	025-1-J2	Joint 025-1-J2	1.1/2"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	15	29	48,6	TP-001		
123A90-FDL-PP-DI-00025-01	1-1/2"-SWS-033-01SD-E	1	J3	01SD	50-00	2"	150LB	5/8"	4	025	1.1/2"	SWS	033	01SD	E	RF	5/8"-A193 Gr.B7 Hot di	2"-150LB-RF	123A90-FDL-PP-DI-00025-01	1	1-1/2"-SWS-033-01SD-E	SWS-033	01SD	50-00	J3	025-1-J3	Joint 025-1-J3	2"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	29	57	95	TP-001		
123A90-FDL-PP-DI-00025-01	1-1/2"-SWS-033-01SD-E	1	J4	01SD	50-00	2"	150LB	5/8"	4	025	1.1/2"	SWS	033	01SD	E	RF	5/8"-A193 Gr.B7 Hot di	2"-150LB-RF	123A90-FDL-PP-DI-00025-01	1	1-1/2"-SWS-033-01SD-E	SWS-033	01SD	50-00	J4	025-1-J4	Joint 025-1-J4	2"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	29	57	95	TP-001		
123A90-FDL-PP-DI-00025-01	1-1/2"-SWS-033-01SD-E	1	J5	01SD	50-00	1.1/2"	150LB	1/2"	4	025	1.1/2"	SWS	033	01SD	E	RF	1/2"-A193 Gr.B7 Hot di	1.1/2"-150LB-RF	123A90-FDL-PP-DI-00025-01	1	1-1/2"-SWS-033-01SD-E	SWS-033	01SD	50-00	J5	025-1-J5	Joint 025-1-J5	1.1/2"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	15	29	48,6	TP-001		
123A90-FDL-PP-DI-00025-01	1-1/2"-SWS-033-01SD-E	1	J6	01SD	50-00	1.1/2"	150LB	1/2"	4	025	1.1/2"	SWS	033	01SD	E	RF	1/2"-A193 Gr.B7 Hot di	1.1/2"-150LB-RF	123A90-FDL-PP-DI-00025-01	1	1-1/2"-SWS-033-01SD-E	SWS-033	01SD	50-00	J6	025-1-J6	Joint 025-1-J6	1.1/2"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	15	29	48,6	TP-001		
123A90-FDL-PP-DI-00025-01	1-1/2"-SWS-033-01SD-E	1	J7	01SD	50-00	3/4"	150LB	1/2"	4	025	1.1/2"	SWS	033	01SD	E	RF	1/2"-A193 Gr.B7 Hot di	3/4"-150LB-RF	123A90-FDL-PP-DI-00025-01	1	1-1/2"-SWS-033-01SD-E	SWS-033	01SD	50-00	J7	025-1-J7	Joint 025-1-J7	3/4"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	15	29	48,6	TP-001		
123A90-FDL-PP-DI-00025-01	1-1/2"-SWS-033-01SD-E	1	J8	01SD	50-00	3/4"	150LB	1/2"	4	025	1.1/2"	SWS	033	01SD	E	RF	1/2"-A193 Gr.B7 Hot di	3/4"-150LB-RF	123A90-FDL-PP-DI-00025-01	1	1-1/2"-SWS-033-01SD-E	SWS-033	01SD	50-00	J8	025-1-J8	Joint 025-1-J8	3/4"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	15	29	48,6	TP-001		
123A90-FDL-PP-DI-00025-01	1-1/2"-SWS-033-01SD-E	1	J9	01SD	50-00	1.1/2"	150LB	1/2"	4	025	1.1/2"	SWS	033	01SD	E	RF	1/2"-A193 Gr.B7 Hot di	1.1/2"-150LB-RF	123A90-FDL-PP-DI-00025-01	1	1-1/2"-SWS-033-01SD-E	SWS-033	01SD	50-00	J9	025-1-J9	Joint 025-1-J9	1.1/2"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	15	29	48,6	TP-001		
123A90-FDL-PP-DI-00026-01	1-1/2"-SWS-035-01SD-E	1	J1	01SD	50-00	1.1/2"	150LB	1/2"	4	026	1.1/2"	SWS	035	01SD	E	RF	1/2"-A193 Gr.B7 Hot di	1.1/2"-150LB-RF	123A90-FDL-PP-DI-00026-01	1	1-1/2"-SWS-035-01SD-E	SWS-035	01SD	50-00	J1	026-1-J1	Joint 026-1-J1	1.1/2"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	15	29	48,6	TP-028		
123A90-FDL-PP-DI-00026-01	1-1/2"-SWS-035-01SD-E	1	J2	01SD	50-00	1.1/2"	150LB	1/2"	4	026	1.1/2"	SWS	035	01SD	E	RF	1/2"-A193 Gr.B7 Hot di	1.1/2"-150LB-RF	123A90-FDL-PP-DI-00026-01	1	1-1/2"-SWS-035-01SD-E	SWS-035	01SD	50-00	J2	026-1-J2	Joint 026-1-J2	1.1/2"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	15	29	48,6	TP-028		
123A90-FDL-PP-DI-00026-02	1-1/2"-SWS-035-01SD-E	2	J3	01SD	50-00	3/4"	150LB	1/2"	4	026	1.1/2"	SWS	035	01SD	E	RF	1/2"-A193 Gr.B7 Hot di	3/4"-150LB-RF	123A90-FDL-PP-DI-00026-02	2	1-1/2"-SWS-035-01SD-E	SWS-035	01SD	50-00	J3	026-2-J3	Joint 026-2-J3	3/4"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	15	29	48,6	TP-028		
123A90-FDL-PP-DI-00026-02	1-1/2"-SWS-035-01SD-E	2	J4	01SD	50-00	3/4"	150LB	1/2"	4	026	1.1/2"	SWS	035	01SD	E	RF	1/2"-A193 Gr.B7 Hot di	3/4"-150LB-RF	123A90-FDL-PP-DI-00026-02	2	1-1/2"-SWS-035-01SD-E	SWS-035	01SD	50-00	J4	026-2-J4	Joint 026-2-J4	3/4"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	15	29	48,6	TP-028		
123A90-FDL-PP-DI-00026-02	1-1/2"-SWS-035-01SD-E	2	J5	01SD	50-00	1.1/2"	150LB	1/2"	4	026	1.1/2"	SWS	035	01SD	E	RF	1/2"-A193 Gr.B7 Hot di	1.1/2"-150LB-RF	123A90-FDL-PP-DI-00026-02	2	1-1/2"-SWS-035-01SD-E	SWS-035	01SD	50-00	J5	026-2-J5	Joint 026-2-J5	1.1/2"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	15	29	48,6	TP-028		
123A90-FDL-PP-DI-00026-02	1-1/2"-SWS-035-01SD-E	2	J6	01SD	50-00	1.1/2"	150LB	1/2"	4	026	1.1/2"	SWS	035	01SD	E	RF	1/2"-A193 Gr.B7 Hot di	1.1/2"-150LB-RF	123A90-FDL-PP-DI-00026-02	2	1-1/2"-SWS-035-01SD-E	SWS-035	01SD	50-00	J6	026-2-J6	Joint 026-2-J6	1.1/2"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	15	29	48,6	TP-028		
123A90-FDL-PP-DI-00027-01	1"-WW-038-01CS-H	1	J1	01CS	55-00	1.1/2"	150LB	1/2"	4	027	1"	WW	038	01CS	H	RF	1/2"-A193 Gr.B7 Hot di	1.1/2"-150LB-RF	123A90-FDL-PP-DI-00027-01	1	1"-WW-038-01CS-H	WW-038	01CS	55-00	J1	027-1-J1	Joint 027-1-J1	1.1/2"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-004		
123A90-FDL-PP-DI-00029-01	1"-SWR-045-01CS-H	1	J1	01CS	55-01	3"	150LB	5/8"	4	029	1"	SWR	045	01CS	H	RF	5/8"-A193 Gr.B7 Hot di	3"-150LB-RF	123A90-FDL-PP-DI-00029-01	1	1"-SWR-045-01CS-H	SWR-045	01CS	55-01	J1	029-1-J1	Joint 029-1-J1	3"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	37	73	122,2	TP-003		
123A90-FDL-PP-DI-00029-02	1"-SWR-045-01CS-H	2	J2	01CS	55-01	1"	150LB	1/2"	4	029	1"	SWR	045	01CS	H	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00029-02	2	1"-SWR-045-01CS-H	SWR-045	01CS	55-01	J2	029-2-J2	Joint 029-2-J2	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	37	73	122,2	TP-003		
123A90-FDL-PP-DI-00030-03	1"-WW-071-01CS-H	3	J1	01CS	55-01	1"	150LB	1/2"	4	030	1"	WW	071	01CS	H	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00030-03	3	1"-WW-071-01CS-H	WW-071	01CS	55-01	J1	030-3-J1	Joint 030-3-J1	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-103		HOOK-UP
123A90-FDL-PP-DI-00031-02	1-1/2"-WW-073-01CS-H	2	J1	01CS	55-01	3/4"	150LB	1/2"	4	031	1.1/2"	WW	073	01CS	H	RF	1/2"-A193 Gr.B7 Hot di	3/4"-150LB-RF	123A90-FDL-PP-DI-00031-02	2	1-1/2"-WW-073-01CS-H	WW-073	01CS	55-01	J1	031-2-J1	Joint 031-2-J1	3/4"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-003		
123A90-FDL-PP-DI-00031-02	1-1/2"-WW-073-01CS-H	2	J2	01CS	55-01	1.1/2"	150LB	1/2"	4	031	1.1/2"	WW	073	01CS	H	RF	1/2"-A193 Gr.B7 Hot di	1.1/2"-150LB-RF	123A90-FDL-PP-DI-00031-02	2	1-1/2"-WW-073-01CS-H	WW-073	01CS	55-01	J2	031-2-J2	Joint 031-2-J2	1.1/2"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-003		
123A90-FDL-PP-DI-00031-02	1-1/2"-WW-073-01CS-H	2	J3	01CS	55-01	1.1/2"	150LB	1/2"	4	031	1.1/2"	WW	073	01CS	H	RF	1/2"-A193 Gr.B7 Hot di	1.1/2"-150LB-RF	123A90-FDL-PP-DI-00031-02	2	1-1/2"-WW-073-01CS-H	WW-073	01CS	55-01	J3	031-2-J3	Joint 031-2-J3	1.1/2"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-003		
123A90-FDL-PP-DI-00031-02	1-1/2"-WW-073-01CS-H	2	J4	01CS	55-01	1.1/2"	150LB	1/2"	4	031	1.1/2"	WW	073	01CS	H	RF	1/2"-A193 Gr.B7 Hot di	1.1/2"-150LB-RF	123A90-FDL-PP-DI-00031-02	2	1-1/2"-WW-073-01CS-H	WW-073	01CS	55-01	J4	031-2-J4	Joint 031-2-J4	1.1/2"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-003		
123A90-FDL-PP-DI-00031-03	1-1/2"-WW-073-01CS-H	3	J5	01CS	55-01	1.1/2"	150LB	1/2"	4	031	1.1/2"	WW	073	01CS	H	RF	1/2"-A193 Gr.B7 Hot di	1.1/2"-150LB-RF	123A90-FDL-PP-DI-00031-03	3	1-1/2"-WW-073-01CS-H	WW-073	01CS	55-01	J5	031-3-J5	Joint 031-3-J5	1.1/2"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-003		HOOK-UP
123A90-FDL-PP-DI-00031-02	1-1/2"-WW-073-01CS-H	2	J6	01CS	55-01	1.1/2"	150LB	1/2"	4	031	1.1/2"	WW	073	01CS	H	RF	1/2"-A193 Gr.B7 Hot di	1.1/2"-150LB-RF	123A90-FDL-PP-DI-00031-02	2	1-1/2"-WW-073-01CS-H	WW-073	01CS	55-01	J6	031-2-J6	Joint 031-2-J6	1.1/2"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-003		
123A90-FDL-PP-DI-00031-02	1-1/2"-WW-073-01CS-H	2	J7	01CS	55-01	1.1/2"	150LB	1/2"	4	031	1.1/2"	WW	073	01CS	H	RF	1/2"-A193 Gr.B7 Hot di	1.1/2"-150LB-RF	123A90-FDL-PP-DI-00031-02	2	1-1/2"-WW-073-01CS-H	WW-073	01CS	55-01	J7	031-2-J7	Joint 031-2-J7	1.1/2"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-003		
123A90-FDL-PP-DI-00031-02	1-1/2"-WW-073-01CS-H	2	J8	01CS	55-01	1.1/2"	150LB	1/2"	4	031	1.1/2"	WW	073	01CS	H	RF	1/2"-A193 Gr.B7 Hot di	1.1/2"-150LB-RF	123A90-FDL-PP-DI-00031-02	2	1-1/2"-WW-073-01CS-H	WW-073	01CS	55-01	J8	031-2-J8	Joint 031-2-J8	1.1/2"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-003		
123A90-FDL-PP-DI-00031-02	1-1/2"-WW-073-01CS-H	2	J9	01CS	55-01	1.1/2"	150LB	1/2"	4	031	1.1/2"	WW	073	01CS	H	RF	1/2"-A193 Gr.B7 Hot di	1.1/2"-150LB-RF	123A90-FDL-PP-DI-00031-02	2	1-1/2"-WW-073-01CS-H	WW-073	01CS	55-01	J9	031-2-J9	Joint 031-2-J9	1.1/2"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-003		
123A90-FDL-PP-DI-00031-02	1-1/2"-WW-073-01CS-H	2	J10	01CS	55-01	1"	150LB	1/2"	4	031	1.1/2"	WW	073	01CS	H	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00031-02	2	1-1/2"-WW-073-01CS-H	WW-073	01CS	55-01	J10	031-2-J10	Joint 031-2-J10	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-003		
123A90-FDL-PP-DI-00032-01	1"-WW-079-01CS-H	1	J1	01CS	55-01 / 63-00	1"	150LB	1/2"	4	032	1"	WW	079	01CS	H	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00032-01	1	1"-WW-079-01CS-H	WW-079	01CS	63-00	J1	032-1-J1	Joint 032-1-J1	1"	150LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	20	39	65	TP-059		
123A90-FDL-PP-DI-00032-01	1"-WW-079-01CS-H	1	J2	01CS	55-01 / 63-00	1"	150LB	1/2"	4	032	1"	WW	079	01CS	H	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00032-01	1	1"-WW-079-01CS-H	WW-079	01CS	63-00	J2	032-1-J2	Joint 032-1-J2	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-059		
123A90-FDL-PP-DI-00032-01	1"-WW-079-01CS-H	1	J3	01CS	55-01 / 63-00	1"	150LB	1/2"	4	032	1"	WW	079	01CS	H	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00032-01	1	1"-WW-079-01CS-H	WW-079	01CS	63-00	J3	032-1-J3	Joint 032-1-J3	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-059		
123A90-FDL-PP-DI-00033-01	1"-WW-081-01CS-H	1	J1	01CS	55-00	1"	150LB	1/2"	4	033	1"	WW	081	01CS	H	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00033-01	1	1"-WW-081-01CS-H	WW-081	01CS	55-00	J1	033-1-J1	Joint 033-1-J1	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-101		HOOK-UP
123A90-FDL-PP-DI-00033-01	1"-WW-081-01CS-H	1	J2	01CS	55-00	1"	150LB	1/2"	4	033	1"	WW	081	01CS	H	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00033-01	1	1"-WW-081-01CS-H	WW-081	01CS	55-00	J2	033-1-J2	Joint 033-1-J2	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-101		HOOK-UP
123A90-FDL-PP-DI-00033-01	1"-WW-081-01CS-H	1	J3	01CS	55-00	1"	150LB	1/2"	4	033	1"	WW	081	01CS	H	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00033-01	1	1"-WW-081-01CS-H	WW-081	01CS	55-00	J3	033-1-J3	Joint 033-1-J3	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-101		HOOK-UP
123A90-FDL-PP-DI-00033-01	1"-WW-081-01CS-H	1	J4	01CS	55-00	1"	150LB	1/2"	4	033	1"	WW	081	01CS	H	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00033-01	1	1"-WW-081-01CS-H	WW-081	01CS	55-00	J4	033-1-J4	Joint 033-1-J4	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-101		HOOK-UP
123A90-FDL-PP-DI-00033-01	1"-WW-081-01CS-H	1	J5	01CS	55-00	1"	150LB	1/2"	4	033	1"	WW	081	01CS	H	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00033-01	1	1"-WW-081-01CS-H	WW-081	01CS	55-00	J5	033-1-J5	Joint 033-1-J5	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-101		HOOK-UP
123A90-FDL-PP-DI-00035-01	1"-N-101-01CS-N	1	J1	01CS	64-10	1"	150LB	1/2"	4	035	1"	N	101	01CS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00035-01	1	1"-N-101-01CS-N	N-101	01CS	64-10	J1	035-1-J1	Joint 035-1-J1	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-023		
123A90-FDL-PP-DI-00035-01	1"-N-101-01CS-N	1	J2	01CS	64-10	1"	150LB	1/2"	4	035	1"	N	101	01CS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00035-01	1	1"-N-101-01CS-N	N-101	01CS	64-10	J2	035-1-J2	Joint 035-1-J2	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-023		
123A90-FDL-PP-DI-00035-01	1"-N-101-01CS-N	1	J3	01CS	64-10	1"	150LB	1/2"	4	035	1"	N	101	01CS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00035-01	1	1"-N-101-01CS-N	N-101	01CS	64-10	J3	035-1-J3	Joint 035-1-J3	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-023		
123A90-FDL-PP-DI-00035-01	1"-N-101-01CS-N	1	J4	01CS	64-10	1"	150LB	1/2"	4	035	1"	N	101	01CS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00035-01	1	1"-N-101-01CS-N	N-101	01CS	64-10	J4	035-1-J4	Joint 035-1-J4	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-023		
123A90-FDL-PP-DI-00035-01	1"-N-101-01CS-N	1	J5	01CS	64-10	1"	150LB	1/2"	4	035	1"	N	101	01CS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00035-01	1	1"-N-101-01CS-N	N-101	01CS	64-10	J5	035-1-J5	Joint 035-1-J5	1"	150LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	20	39	65	TP-023		
123A90-FDL-PP-DI-00036-01	1-1/2"-IA-108-01SS-N	1	J1	01SS	63-00 / 63-30	2"	150LB	5/8"	4	036	1.1/2"	IA	108	01SS	N	RF	5/8"-A193 Gr.B7 Hot di	2"-150LB-RF	123A90-FDL-PP-DI-00036-01	1	1-1/2"-IA-108-01SS-N	IA-108	01SS	63-00	J1	036-1-J1	Joint 036-1-J1	2"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	37	73	122,2	TP-025		
123A90-FDL-PP-DI-00036-01	1-1/2"-IA-108-01SS-N	1	J2	01SS	63-00 / 63-30	1.1/2"	150LB	1/2"	4	036	1.1/2"	IA	108	01SS	N	RF	1/2"-A193 Gr.B7 Hot di	1.1/2"-150LB-RF	123A90-FDL-PP-DI-00036-01	1	1-1/2"-IA-108-01SS-N	IA-108	01SS	63-00	J2	036-1-J2	Joint 036-1-J2	1.1/2"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-025		
123A90-FDL-PP-DI-00036-01	1-1/2"-IA-108-01SS-N	1	J3	01SS	63-00 / 63-30	1.1/2"	150LB	1/2"	4	036	1.1/2"	IA	108	01SS	N	RF	1/2"-A193 Gr.B7 Hot di	1.1/2"-150LB-RF	123A90-FDL-PP-DI-00036-01	1	1-1/2"-IA-108-01SS-N	IA-108	01SS	63-30	J3	036-1-J3	Joint 036-1-J3	1.1/2"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-027		
123A90-FDL-PP-DI-00036-01	1-1/2"-IA-108-01SS-N	1	J4	01SS	63-00 / 63-30	3/4"	150LB	1/2"	4	036	1.1/2"	IA	108	01SS	N	RF	1/2"-A193 Gr.B7 Hot di	3/4"-150LB-RF	123A90-FDL-PP-DI-00036-01	1	1-1/2"-IA-108-01SS-N	IA-108	01SS	63-30	J4	036-1-J4	Joint 036-1-J4	3/4"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-027		
123A90-FDL-PP-DI-00036-01	1-1/2"-IA-108-01SS-N	1	J5	01SS	63-00 / 63-30	3/4"	150LB	1/2"	4	036	1.1/2"	IA	108	01SS	N	RF	1/2"-A193 Gr.B7 Hot di	3/4"-150LB-RF	123A90-FDL-PP-DI-00036-01	1	1-1/2"-IA-108-01SS-N	IA-108	01SS	63-30	J5	036-1-J5	Joint 036-1-J5	3/4"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-027		
123A90-FDL-PP-DI-00059-01	1"-SWS-146-01SD-E	1	J1	01SD	50-00	1"	150LB	1/2"	4	059	1"	SWS	146	01SD	E	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00059-01	1	1"-SWS-146-01SD-E	SWS-146	01SD	50-00	J1	059-1-J1	Joint 059-1-J1	1"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	15	29	48,6	TP-001		
123A90-FDL-PP-DI-00059-01	1"-SWS-146-01SD-E	1	J2	01SD	50-00	1"	150LB	1/2"	4	059	1"	SWS	146	01SD	E	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00059-01	1	1"-SWS-146-01SD-E	SWS-146	01SD	50-00	J2	059-1-J2	Joint 059-1-J2	1"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	15	29	48,6	TP-001		
123A90-FDL-PP-DI-00059-01	1"-SWS-146-01SD-E	1	J3	01SD	50-00	1"	150LB	1/2"	4	059	1"	SWS	146	01SD	E	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00059-01	1	1"-SWS-146-01SD-E	SWS-146	01SD	50-00	J3	059-1-J3	Joint 059-1-J3	1"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	15	29	48,6	TP-001		
123A90-FDL-PP-DI-00060-01	1"-SWS-147-01SD-E	1	J1	01SD	50-00	1"	150LB	1/2"	4	060	1"	SWS	147	01SD	E	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00060-01	1	1"-SWS-147-01SD-E	SWS-147	01SD	50-00	J1	060-1-J1	Joint 060-1-J1	1"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	15	29	48,6	TP-001		
123A90-FDL-PP-DI-00060-01	1"-SWS-147-01SD-E	1	J2	01SD	50-00	1"	150LB	1/2"	4	060	1"	SWS	147	01SD	E	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00060-01	1	1"-SWS-147-01SD-E	SWS-147	01SD	50-00	J2	060-1-J2	Joint 060-1-J2	1"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	15	29	48,6	TP-001		
123A90-FDL-PP-DI-00060-01	1"-SWS-147-01SD-E	1	J3	01SD	50-00	1"	150LB	1/2"	4	060	1"	SWS	147	01SD	E	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00060-01	1	1"-SWS-147-01SD-E	SWS-147	01SD	50-00	J3	060-1-J3	Joint 060-1-J3	1"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	15	29	48,6	TP-001		
123A90-FDL-PP-DI-00067-01	2"-AV-160-01CS-N	1	J1	01CS	64-10	2"	150LB	5/8"	4	067	2"	AV	160	01CS	N	RF	5/8"-A193 Gr.B7 Hot di	2"-150LB-RF	123A90-FDL-PP-DI-00067-01	1	2"-AV-160-01CS-N	AV-160	01CS	64-10	J1	067-1-J1	Joint 067-1-J1	2"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	37	73	122,2	TP-051		

Isometric_DWG_Num	Line_Num	Sheet	Joint_Num	Piping_Class	Sub_System	Flange_Dia	Joint_Rating	Bolt_Dia	Bolts_Num	Sketch_Num						RF/RJ/FF	Bolt_Dia-Bolt Material	Flange_Dia-Joint_Rating-Gasket_Type	Line_iso_Num	Sheet	Line_Num	Short_Line_Num	Piping_Class	Sub_System	Joint_Num	Tag No.	Tag Description	Flange_Dia	Joint_Rating	Gasket Type	Gasket Material	Bolt Material	Nut Material	Bolt_Dia	Bolts_Num	Clamp_Type	Torque 30% [Nm]	Torque 60% [Nm]	Final Torque [Nm]	Test Pack Nr.	Note	SOW
123A90-FDL-PP-DI-00069-01	1"-HY-164-03HSS-N	1	J1	03HSS	25-01	1"	300LB	5/8"	4	069	1"	HY	164	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00069-01	1	1"-HY-164-03HSS-N	HY-164	03HSS	25-01	J1	069-1-J1	Joint 069-1-J1	1"	300LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	36	72	120	TP-052		
123A90-FDL-PP-DI-00069-01	1"-HY-164-03HSS-N	1	J2	03HSS	25-01	3/4"	300LB	5/8"	4	069	1"	HY	164	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	3/4"-300LB-RF	123A90-FDL-PP-DI-00069-01	1	1"-HY-164-03HSS-N	HY-164	03HSS	25-01	J2	069-1-J2	Joint 069-1-J2	3/4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-052		
123A90-FDL-PP-DI-00069-02	1"-HY-164-03HSS-N	2	J3	03HSS	25-01	1"	300LB	5/8"	4	069	1"	HY	164	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00069-02	2	1"-HY-164-03HSS-N	HY-164	03HSS	25-01	J3	069-2-J3	Joint 069-2-J3	1"	300LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	36	72	120	TP-052		
123A90-FDL-PP-DI-00069-02	1"-HY-164-03HSS-N	2	J4	03HSS	25-01	3/4"	300LB	5/8"	4	069	1"	HY	164	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	3/4"-300LB-RF	123A90-FDL-PP-DI-00069-02	2	1"-HY-164-03HSS-N	HY-164	03HSS	25-01	J4	069-2-J4	Joint 069-2-J4	3/4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-052		
123A90-FDL-PP-DI-00070-01	1"-HY-165-03HSS-N	1	J1	03HSS	25-02	1"	300LB	5/8"	4	070	1"	HY	165	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00070-01	1	1"-HY-165-03HSS-N	HY-165	03HSS	25-02	J1	070-1-J1	Joint 070-1-J1	1"	300LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	36	72	120	TP-053		
123A90-FDL-PP-DI-00070-01	1"-HY-165-03HSS-N	1	J2	03HSS	25-02	3/4"	300LB	5/8"	4	070	1"	HY	165	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	3/4"-300LB-RF	123A90-FDL-PP-DI-00070-01	1	1"-HY-165-03HSS-N	HY-165	03HSS	25-02	J2	070-1-J2	Joint 070-1-J2	3/4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-053		
123A90-FDL-PP-DI-00070-02	1"-HY-165-03HSS-N	2	J3	03HSS	25-02	1"	300LB	5/8"	4	070	1"	HY	165	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00070-02	2	1"-HY-165-03HSS-N	HY-165	03HSS	25-02	J3	070-2-J3	Joint 070-2-J3	1"	300LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	36	72	120	TP-053		
123A90-FDL-PP-DI-00070-02	1"-HY-165-03HSS-N	2	J4	03HSS	25-02	3/4"	300LB	5/8"	4	070	1"	HY	165	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	3/4"-300LB-RF	123A90-FDL-PP-DI-00070-02	2	1"-HY-165-03HSS-N	HY-165	03HSS	25-02	J4	070-2-J4	Joint 070-2-J4	3/4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-053		
123A90-FDL-PP-DI-00074-01	1"-HY-169-03HSS-N	1	J1	03HSS	25-03	1"	300LB	5/8"	4	074	1"	HY	169	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00074-01	1	1"-HY-169-03HSS-N	HY-169	03HSS	25-03	J1	074-1-J1	Joint 074-1-J1	1"	300LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	36	72	120	TP-054		
123A90-FDL-PP-DI-00074-01	1"-HY-169-03HSS-N	1	J2	03HSS	25-03	3/4"	300LB	5/8"	4	074	1"	HY	169	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	3/4"-300LB-RF	123A90-FDL-PP-DI-00074-01	1	1"-HY-169-03HSS-N	HY-169	03HSS	25-03	J2	074-1-J2	Joint 074-1-J2	3/4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-054		
123A90-FDL-PP-DI-00074-02	1"-HY-169-03HSS-N	2	J3	03HSS	25-03	1"	300LB	5/8"	4	074	1"	HY	169	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00074-02	2	1"-HY-169-03HSS-N	HY-169	03HSS	25-03	J3	074-2-J3	Joint 074-2-J3	1"	300LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	36	72	120	TP-054		
123A90-FDL-PP-DI-00074-02	1"-HY-169-03HSS-N	2	J4	03HSS	25-03	3/4"	300LB	5/8"	4	074	1"	HY	169	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	3/4"-300LB-RF	123A90-FDL-PP-DI-00074-02	2	1"-HY-169-03HSS-N	HY-169	03HSS	25-03	J4	074-2-J4	Joint 074-2-J4	3/4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-054		
123A90-FDL-PP-DI-00078-01	1"-HY-173-03HSS-N	1	J1	03HSS	25-04	1"	300LB	5/8"	4	078	1"	HY	173	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00078-01	1	1"-HY-173-03HSS-N	HY-173	03HSS	25-04	J1	078-1-J1	Joint 078-1-J1	1"	300LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	36	72	120	TP-055		
123A90-FDL-PP-DI-00078-01	1"-HY-173-03HSS-N	1	J2	03HSS	25-04	3/4"	300LB	5/8"	4	078	1"	HY	173	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	3/4"-300LB-RF	123A90-FDL-PP-DI-00078-01	1	1"-HY-173-03HSS-N	HY-173	03HSS	25-04	J2	078-1-J2	Joint 078-1-J2	3/4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-055		
123A90-FDL-PP-DI-00078-02	1"-HY-173-03HSS-N	2	J3	03HSS	25-04	1"	300LB	5/8"	4	078	1"	HY	173	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00078-02	2	1"-HY-173-03HSS-N	HY-173	03HSS	25-04	J3	078-2-J3	Joint 078-2-J3	1"	300LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	36	72	120	TP-055		
123A90-FDL-PP-DI-00078-02	1"-HY-173-03HSS-N	2	J4	03HSS	25-04	3/4"	300LB	5/8"	4	078	1"	HY	173	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	3/4"-300LB-RF	123A90-FDL-PP-DI-00078-02	2	1"-HY-173-03HSS-N	HY-173	03HSS	25-04	J4	078-2-J4	Joint 078-2-J4	3/4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-055		
123A90-FDL-PP-DI-00082-01	1"-HY-178-03HSS-N	1	J1	03HSS	25-05	1"	300LB	5/8"	4	082	1"	HY	178	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00082-01	1	1"-HY-178-03HSS-N	HY-178	03HSS	25-05	J1	082-1-J1	Joint 082-1-J1	1"	300LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	36	72	120	TP-056		
123A90-FDL-PP-DI-00082-01	1"-HY-178-03HSS-N	1	J2	03HSS	25-05	3/4"	300LB	5/8"	4	082	1"	HY	178	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	3/4"-300LB-RF	123A90-FDL-PP-DI-00082-01	1	1"-HY-178-03HSS-N	HY-178	03HSS	25-05	J2	082-1-J2	Joint 082-1-J2	3/4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-056		
123A90-FDL-PP-DI-00082-02	1"-HY-178-03HSS-N	2	J3	03HSS	25-05	1"	300LB	5/8"	4	082	1"	HY	178	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00082-02	2	1"-HY-178-03HSS-N	HY-178	03HSS	25-05	J3	082-2-J3	Joint 082-2-J3	1"	300LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	36	72	120	TP-056		
123A90-FDL-PP-DI-00082-02	1"-HY-178-03HSS-N	2	J4	03HSS	25-05	3/4"	300LB	5/8"	4	082	1"	HY	178	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	3/4"-300LB-RF	123A90-FDL-PP-DI-00082-02	2	1"-HY-178-03HSS-N	HY-178	03HSS	25-05	J4	082-2-J4	Joint 082-2-J4	3/4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-056		
123A90-FDL-PP-DI-00086-01	1"-HY-182-03HSS-N	1	J1	03HSS	25-06	1"	300LB	5/8"	4	086	1"	HY	182	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00086-01	1	1"-HY-182-03HSS-N	HY-182	03HSS	25-06	J1	086-1-J1	Joint 086-1-J1	1"	300LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	36	72	120	TP-057		
123A90-FDL-PP-DI-00086-01	1"-HY-182-03HSS-N	1	J2	03HSS	25-06	3/4"	300LB	5/8"	4	086	1"	HY	182	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	3/4"-300LB-RF	123A90-FDL-PP-DI-00086-01	1	1"-HY-182-03HSS-N	HY-182	03HSS	25-06	J2	086-1-J2	Joint 086-1-J2	3/4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-057		
123A90-FDL-PP-DI-00086-02	1"-HY-182-03HSS-N	2	J3	03HSS	25-06	1"	300LB	5/8"	4	086	1"	HY	182	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00086-02	2	1"-HY-182-03HSS-N	HY-182	03HSS	25-06	J3	086-2-J3	Joint 086-2-J3	1"	300LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	36	72	120	TP-057		
123A90-FDL-PP-DI-00086-02	1"-HY-182-03HSS-N	2	J4	03HSS	25-06	3/4"	300LB	5/8"	4	086	1"	HY	182	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	3/4"-300LB-RF	123A90-FDL-PP-DI-00086-02	2	1"-HY-182-03HSS-N	HY-182	03HSS	25-06	J4	086-2-J4	Joint 086-2-J4	3/4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-057		
123A90-FDL-PP-DI-00098-01	3"-WW-200-01CS-H	1	J1	01CS	55-00	3"	150LB	5/8"	4	098	3"	WW	200	01CS	H	RF	5/8"-A193 Gr.B7 Hot di	3"-150LB-RF	123A90-FDL-PP-DI-00098-01	1	3"-WW-200-01CS-H	WW-200	01CS	55-00	J1	098-1-J1	Joint 098-1-J1	3"	150LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	36	72	120	TP-100		HOOK-UP
123A90-FDL-PP-DI-00099-01	3"-WW-201-01CS-H	1	J1	01CS	55-00	3"	150LB	5/8"	4	099	3"	WW	201	01CS	H	RF	5/8"-A193 Gr.B7 Hot di	3"-150LB-RF	123A90-FDL-PP-DI-00099-01	1	3"-WW-201-01CS-H	WW-201	01CS	55-00	J1	099-1-J1	Joint 099-1-J1	3"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	37	73	122,2	TP-060		
123A90-FDL-PP-DI-00099-01	3"-WW-201-01CS-H	1	J2	01CS	55-00	3"	150LB	5/8"	4	099	3"	WW	201	01CS	H	RF	5/8"-A193 Gr.B7 Hot di	3"-150LB-RF	123A90-FDL-PP-DI-00099-01	1	3"-WW-201-01CS-H	WW-201	01CS	55-00	J2	099-1-J2	Joint 099-1-J2	3"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	37	73	122,2	TP-060		
123A90-FDL-PP-DI-00099-01	3"-WW-201-01CS-H	1	J3	01CS	55-00	3"	150LB	5/8"	4	099	3"	WW	201	01CS	H	RF	5/8"-A193 Gr.B7 Hot di	3"-150LB-RF	123A90-FDL-PP-DI-00099-01	1	3"-WW-201-01CS-H	WW-201	01CS	55-00	J3	099-1-J3	Joint 099-1-J3	3"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	37	73	122,2	TP-060		
123A90-FDL-PP-DI-00100-01	1"-WW-202-01CS-H	1	J1	01CS	55-00	1"	150LB	1/2"	4	100	1"	WW	202	01CS	H	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00100-01	1	1"-WW-202-01CS-H	WW-202	01CS	55-00	J1	100-1-J1	Joint 100-1-J1	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-026		
123A90-FDL-PP-DI-00100-01	1"-WW-202-01CS-H	1	J2	01CS	55-00	1"	150LB	1/2"	4	100	1"	WW	202	01CS	H	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00100-01	1	1"-WW-202-01CS-H	WW-202	01CS	55-00	J2	100-1-J2	Joint 100-1-J2	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-026		
123A90-FDL-PP-DI-00114-01	1"-WW-216-01CS-N	1	J1	01CS	43-00	1"	150LB	1/2"	4	114	1"	WW	216	01CS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00114-01	1	1"-WW-216-01CS-N	WW-216	01CS	43-00	J1	114-1-J1	Joint 114-1-J1	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-064		
123A90-FDL-PP-DI-00114-01	1"-WW-216-01CS-N	1	J2	01CS	43-00	1"	150LB	1/2"	4	114	1"	WW	216	01CS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00114-01	1	1"-WW-216-01CS-N	WW-216	01CS	43-00	J2	114-1-J2	Joint 114-1-J2	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-064		
123A90-FDL-PP-DI-00114-01	1"-WW-216-01CS-N	1	J3	01CS	43-00	1"	150LB	1/2"	4	114	1"	WW	216	01CS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00114-01	1	1"-WW-216-01CS-N	WW-216	01CS	43-00	J3	114-1-J3	Joint 114-1-J3	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-064		
123A90-FDL-PP-DI-00116-01	3"-VL-220-01HSS-N	1	J1	01HSS	43-00	3"	150LB	5/8"	4	116	3"	VL	220	01HSS	N	RF	5/8"-A193 Gr.B7 Hot di	3"-150LB-RF	123A90-FDL-PP-DI-00116-01	1	3"-VL-220-01HSS-N	VL-220	01HSS	43-00	J1	116-1-J1	Joint 116-1-J1	3"	150LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	36	72	120	TP-022		
123A90-FDL-PP-DI-00116-01	3"-VL-220-01HSS-N	1	J2	01HSS	43-00	3"	150LB	5/8"	4	116	3"	VL	220	01HSS	N	RF	5/8"-A193 Gr.B7 Hot di	3"-150LB-RF	123A90-FDL-PP-DI-00116-01	1	3"-VL-220-01HSS-N	VL-220	01HSS	43-00	J2	116-1-J2	Joint 116-1-J2	3"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	37	73	122,2	TP-022		
123A90-FDL-PP-DI-00116-02	3"-VL-220-01HSS-N	2	J3	01HSS	43-00	1"	150LB	1/2"	4	116	1"	VL	220	01HSS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00116-02	2	3"-VL-220-01HSS-N	VL-220	01HSS	43-00	J3	116-2-J3	Joint 116-2-J3	1"	150LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	20	39	65	TP-022		
123A90-FDL-PP-DI-00116-02	3"-VL-220-01HSS-N	2	J4	01HSS	43-00	1"	150LB	1/2"	4	116	1"	VL	220	01HSS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00116-02	2	3"-VL-220-01HSS-N	VL-220	01HSS	43-00	J4	116-2-J4	Joint 116-2-J4	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-022		
123A90-FDL-PP-DI-00116-03	3"-VL-220-01HSS-N	3	J5	01HSS	43-00	1"	150LB	1/2"	4	116	1"	VL	220	01HSS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00116-03	3	3"-VL-220-01HSS-N	VL-220	01HSS	43-00	J5	116-3-J5	Joint 116-3-J5	1"	150LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	20	39	65	TP-022		
123A90-FDL-PP-DI-00116-03	3"-VL-220-01HSS-N	3	J6	01HSS	43-00	1"	150LB	1/2"	4	116	1"	VL	220	01HSS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00116-03	3	3"-VL-220-01HSS-N	VL-220	01HSS	43-00	J6	116-3-J6	Joint 116-3-J6	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-022		
123A90-FDL-PP-DI-00116-04	3"-VL-220-01HSS-N	4	J7	01HSS	43-00	1"	150LB	1/2"	4	116	1"	VL	220	01HSS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00116-04	4	3"-VL-220-01HSS-N	VL-220	01HSS	43-00	J7	116-4-J7	Joint 116-4-J7	1"	150LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	20	39	65	TP-022		
123A90-FDL-PP-DI-00116-04	3"-VL-220-01HSS-N	4	J8	01HSS	43-00	3/4"	150LB	1/2"	4	116	1"	VL	220	01HSS	N	RF	1/2"-A193 Gr.B7 Hot di	3/4"-150LB-RF	123A90-FDL-PP-DI-00116-04	4	3"-VL-220-01HSS-N	VL-220	01HSS	43-00	J8	116-4-J8	Joint 116-4-J8	3/4"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-022		
123A90-FDL-PP-DI-00117-01	1"-SWS-221-01SD-E	1	J1	01SD	50-00	1"	150LB	1/2"	4	117	1"	SWS	221	01SD	E	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00117-01	1	1"-SWS-221-01SD-E	SWS-221	01SD	50-00	J1	117-1-J1	Joint 117-1-J1	1"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	15	29	48,6	TP-045		
123A90-FDL-PP-DI-00117-01	1"-SWS-221-01SD-E	1	J2	01SD	50-00	1"	150LB	1/2"	4	117	1"	SWS	221	01SD	E	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00117-01	1	1"-SWS-221-01SD-E	SWS-221	01SD	50-00	J2	117-1-J2	Joint 117-1-J2	1"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	15	29	48,6	TP-045		
123A90-FDL-PP-DI-00118-01	1"-SWS-222-01SD-E	1	J1	01SD	50-00	1"	150LB	1/2"	4	118	1"	SWS	222	01SD	E	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00118-01	1	1"-SWS-222-01SD-E	SWS-222	01SD	50-00	J1	118-1-J1	Joint 118-1-J1	1"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	15	29	48,6	TP-045		
123A90-FDL-PP-DI-00118-01	1"-SWS-222-01SD-E	1	J2	01SD	50-00	1"	150LB	1/2"	4	118	1"	SWS	222	01SD	E	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00118-01	1	1"-SWS-222-01SD-E	SWS-222	01SD	50-00	J2	118-1-J2	Joint 118-1-J2	1"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	15	29	48,6	TP-045		
123A90-FDL-PP-DI-00120-01	2"-AV-224-01CS-N	1	J1	01CS	64-00	2"	150LB	5/8"	4	120	2"	AV	224	01CS	N	RF	5/8"-A193 Gr.B7 Hot di	2"-150LB-RF	123A90-FDL-PP-DI-00120-01	1	2"-AV-224-01CS-N	AV-224	01CS	64-00	J1	120-1-J1	Joint 120-1-J1	2"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	37	73	122,2	TP-049		
123A90-FDL-PP-DI-00121-01	2"-AV-256-01CS-N	1	J1	01CS	55-00	2"	150LB	5/8"	4	121	2"	AV	256	01CS	N	RF	5/8"-A193 Gr.B7 Hot di	2"-150LB-RF	123A90-FDL-PP-DI-00121-01	1	2"-AV-256-01CS-N	AV-256	01CS	55-00	J1	121-1-J1	Joint 121-1-J1	2"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	37	73	122,2	TP-100		HOOK-UP
123A90-FDL-PP-DI-00123-01	1"-WW-259-01CS-E	1	J1	01CS	43-00	1"	150LB	1/2"	4	123	1"	WW	259	01CS	E	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00123-01	1	1"-WW-259-01CS-E	WW-259	01CS	43-00	J1	123-1-J1	Joint 123-1-J1	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-022		
123A90-FDL-PP-DI-00123-01	1"-WW-259-01CS-E	1	J2	01CS	43-00	1"	150LB	1/2"	4	123	1"	WW	259	01CS	E	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00123-01	1	1"-WW-259-01CS-E	WW-259	01CS	43-00	J2	123-1-J2	Joint 123-1-J2	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-022		
123A90-FDL-PP-DI-00123-01	1"-WW-259-01CS-E	1	J3	01CS	43-00	1"	150LB	1/2"	4	123	1"	WW	259	01CS	E	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00123-01	1	1"-WW-259-01CS-E	WW-259	01CS	43-00	J3	123-1-J3	Joint 123-1-J3	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-022		
123A90-FDL-PP-DI-00124-01	1"-WW-260-01CS-E	1	J1	01CS	43-00	1"	150LB	1/2"	4	124	1"	WW	260	01CS	E	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00124-01	1	1"-WW-260-01CS-E	WW-260	01CS	43-00	J1	124-1-J1	Joint 124-1-J1	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-065		
123A90-FDL-PP-DI-00124-01	1"-WW-260-01CS-E	1	J2	01CS	43-00	1"	150LB	1/2"	4	124	1"	WW	260	01CS	E	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00124-01	1	1"-WW-260-01CS-E	WW-260	01CS	43-00	J2	124-1-J2	Joint 124-1-J2	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-065		
123A90-FDL-PP-DI-00124-01	1"-WW-260-01CS-E	1	J3	01CS	43-00	1"	150LB	1/2"	4	124	1"	WW	260	01CS	E	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00124-01	1	1"-WW-260-01CS-E	WW-260	01CS	43-00	J3	124-1-J3	Joint 124-1-J3	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-065		
123A90-FDL-PP-DI-00124-01	1"-WW-260-01CS-E	1	J4	01CS	43-00	1"	150LB	1/2"	4	124	1"	WW	260	01CS	E	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00124-01	1	1"-WW-260-01CS-E	WW-260	01CS	43-00	J4	124-1-J4	Joint 124-1-J4	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-065		
123A90-FDL-PP-DI-00125-01	1"-VL-261-01HSS-E	1	J1	01HSS	43-00	1"	150LB	1/2"	4	125	1"	VL	261	01HSS	E	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00125-01	1	1"-VL-261-01HSS-E	VL-261	01HSS	43-00	J1	125-1-J1	Joint 125-1-J1	1"	150LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	20	39	65	TP-050		
123A90-FDL-PP-DI-00125-01	1"-VL-261-01HSS-E	1	J2	01HSS	43-00	1"	150LB	1/2"	4	125	1"	VL	261	01HSS	E	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00125-01	1	1"-VL-261-01HSS-E	VL-261	01HSS	43-00	J2	125-1-J2	Joint 125-1-J2	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-050		
123A90-FDL-PP-DI-00125-02	1"-VL-261-01HSS-E	2	J3	01HSS	43-00	1"	150LB	1/2"	4	125	1"	VL	261	01HSS	E	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00125-02	2	1"-VL-261-01HSS-E	VL-261	01HSS	43-00	J3	125-2-J3	Joint 125-2-J3	1"	150LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	20	39	65	TP-050		
123A90-FDL-PP-DI-00125-02	1"-VL-261-01HSS-E	2	J4	01HSS	43-00	1"	150LB	1/2"	4	125	1"	VL	261	01HSS	E	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00125-02	2	1"-VL-261-01HSS-E	VL-261	01HSS	43-00	J4	125-2-J4	Joint 125-2-J4	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-050		
123A90-FDL-PP-DI-00126-01	1"-N-262-01CS-N	1	J1	01CS	64-00	1"	150LB	1/2"	4	126	1"	N	262	01CS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00126-01	1	1"-N-262-01CS-N	N-262	01CS	64-00	J1	126-1-J1	Joint 126-1-J1	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-063		
123A90-FDL-PP-DI-00126-01	1"-N-262-01CS-N	1	J2	01CS	64-00	1"	150LB	1/2"	4	126	1"	N	262	01CS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00126-01	1	1"-N-262-01CS-N	N-262	01CS	64-00	J2	126-1-J2	Joint 126-1-J2	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-063		
123A90-FDL-PP-DI-00150-01	1"-SWS-286-01SD-E	1	J1	01SD	50-00	1"	150LB	1/2"	4	150	1"	SWS	286	01SD	E	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00150-01	1	1"-SWS-286-01SD-E	SWS-286	01SD	50-00	J1	150-1-J1	Joint 150-1-J1	1"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	15	29	48,6	TP-001		
123A90-FDL-PP-DI-00150-01	1"-SWS-286-01SD-E	1	J2	01SD	50-00	1"	150LB	1/2"	4	150	1"	SWS	286	01SD	E	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00150-01	1	1"-SWS-286-01SD-E	SWS-286	01SD	50-00	J2	150-1-J2	Joint 150-1-J2	1"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	15	29	48,6	TP-001		
123A90-FDL-PP-DI-00150-01	1"-SWS-286-01SD-E	1	J3	01SD	50-00	1"	150LB	1/2"	4	150	1"	SWS	286	01SD	E	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00150-01	1	1"-SWS-286-01SD-E	SWS-286	01SD	50-00	J3	150-1-J3	Joint 150-1-J3	1"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	15	29	48,6	TP-001		
123A90-FDL-PP-DI-00151-01	2"-SWR-287-01SD-N	1	J1	01SD	50-00	2"	150LB	5/8"	4	151	2"	SWR	287	01SD	N	RF	5/8"-A193 Gr.B7 Hot di	2"-150LB-RF	123A90-FDL-PP-DI-00151-01	1	2"-SWR-287-01SD-N	SWR-287	01SD	50-00	J1	151-1-J1	Joint 151-1-J1	2"	150LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	36	72	120	TP-045		
123A90-FDL-PP-DI-00152-01	1"-SWS-288-01SD-E	1	J1	01SD	50-00	1"	150LB	1/2"	4	152	1"	SWS	288	01SD	E	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00152-01	1	1"-SWS-288-01SD-E	SWS-288	01SD	50-00	J1	152-1-J1	Joint 152-1-J1	1"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	15	29	48,6	TP-001		
123A90-FDL-PP-DI-00152-01	1"-SWS-288-01SD-E	1	J2	01SD	50-00	1"	150LB	1/2"	4	152	1"	SWS	288	01SD	E	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00152-01	1	1"-SWS-288-01SD-E	SWS-288	01SD	50-00	J2	152-1-J2	Joint 152-1-J2	1"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	15	29	48,6	TP-001		
123A90-FDL-PP-DI-00152-01	1"-SWS-288-01SD-E	1	J3	01SD	50-00	1"	150LB	1/2"	4	152	1"	SWS	288	01SD	E	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00152-01	1	1"-SWS-288-01SD-E	SWS-288	01SD	50-00	J3	152-1-J3	Joint 152-1-J3	1"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	15	29	48,6	TP-001		
123A90-FDL-PP-DI-00153-01	2"-SWR-289-01SD-N	1	J1	01SD	50-00	2"	150LB	5/8"	4	153	2"	SWR	289	01SD	N	RF	5/8"-A193 Gr.B7 Hot di	2"-150LB-RF	123A90-FDL-PP-DI-00153-01	1	2"-SWR-289-01SD-N	SWR-289	01SD	50-00	J1	153-1-J1	Joint 153-1-J1	2"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	29	57	95	TP-045		
123A90-FDL-PP-DI-00154-01	1"-SWS-290-01SD-E	1	J1	01SD	50-00	1"	150LB	1/2"	4	154	1"	SWS	290	01SD	E	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00154-01	1	1"-SWS-290-01SD-E	SWS-290	01SD	50-00	J1	154-1-J1	Joint 154-1-J1	1"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	15	29	48,6	TP-028		
123A90-FDL-PP-DI-00154-01	1"-SWS-290-01SD-E	1	J2	01SD	50-00	1"	150LB	1/2"	4	154	1"	SWS	290	01SD	E	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00154-01	1	1"-SWS-290-01SD-E	SWS-290	01SD	50-00	J2	154-1-J2	Joint 154-1-J2	1"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	15	29	48,6	TP-028		
123A90-FDL-PP-DI-00154-01	1"-SWS-290-01SD-E	1	J3	01SD	50-00	1"	150LB	1/2"	4	154	1"	SWS	290	01SD	E	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00154-01	1	1"-SWS-290-01SD-E	SWS-290	01SD	50-00	J3	154-1-J3	Joint 154-1-J3	1"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	15	29	48,6	TP-028		
123A90-FDL-PP-DI-00155-01	2"-SWR-291-01SD-N	1	J1	01SD	50-00	2"	150LB	5/8"	4	155	2"	SWR	291	01SD	N	RF	5/8"-A193 Gr.B7 Hot di	2"-150LB-RF	123A90-FDL-PP-DI-00155-01	1	2"-SWR-291-01SD-N	SWR-291	01SD	50-00	J1	155-1-J1	Joint 155-1-J1	2"	150LB	Gasket Flat Thk. 3 mm	NEOPRENE	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	29	57	95	TP-045		
123A90-FDL-PP-DI-00156-01	1"-WW-292-01CS-H	1	J1	01CS	55-00	1"	150LB	1/2"	4	156	1"	WW	292	01CS	H	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00156-01	1	1"-WW-292-01CS-H	WW-292	01CS	55-00	J1	156-1-J1	Joint 156-1-J1	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-060		HOOK-UP
123A90-FDL-PP-DI-00156-01	1"-WW-292-01CS-H	1	J2	01CS	55-00	3/4"	150LB	1/2"	4	156	1"	WW	292	01CS	H	RF	1/2"-A193 Gr.B7 Hot di	3/4"-150LB-RF	123A90-FDL-PP-DI-00156-01	1	1"-WW-292-01CS-H	WW-292	01CS	55-00	J2	156-1-J2	Joint 156-1-J2	3/4"	150LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	18	36	60	TP-060		HOOK-UP
123A90-FDL-PP-DI-00156-01	1"-WW-292-01CS-H	1	J3	01CS	55-00	3/4"	150LB	1/2"	4	156	1"	WW	292	01CS	H	RF	1/2"-A193 Gr.B7 Hot di	3/4"-150LB-RF	123A90-FDL-PP-DI-00156-01	1	1"-WW-292-01CS-H	WW-292	01CS	55-00	J3	156-1-J3	Joint 156-1-J3	3/4"	150LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	18	36	60	TP-060		HOOK-UP
123A90-FDL-PP-DI-00156-01	1"-WW-292-01CS-H	1	J4	01CS	55-00	1/2"	150LB	1/2"	4	156	1"	WW	292	01CS	H	RF	1/2"-A193 Gr.B7 Hot di	1/2"-150LB-RF	123A90-FDL-PP-DI-00156-01	1	1"-WW-292-01CS-H	WW-292	01CS	55-00	J4	156-1-J4	Joint 156-1-J4	1/2"	150LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	17	33	55	TP-060		HOOK-UP
123A90-FDL-PP-DI-00156-01	1"-WW-292-01CS-H	1	J5	01CS	55-00	1/2"	150LB	1/2"	4	156	1"	WW	292	01CS	H	RF	1/2"-A193 Gr.B7 Hot di	1/2"-150LB-RF	123A90-FDL-PP-DI-00156-01	1	1"-WW-292-01CS-H	WW-292	01CS	55-00	J5	156-1-J5	Joint 156-1-J5	1/2"	150LB	INSULATION KIT	INSULATION KIT	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	17	33	55	TP-060		HOOK-UP
123A90-FDL-PP-DI-00158-01	1"-AV-294-01CS-N	1	J1	01CS	55-00	1"	150LB	1/2"	4	158	1"	AV	294	01CS	N	RF	1/2"-A193 Gr.B7 Hot di	1"-150LB-RF	123A90-FDL-PP-DI-00158-01	1	1"-AV-294-01CS-N	AV-294	01CS	55-00	J1	158-1-J1	Joint 158-1-J1	1"	150LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	19	38	62,5	TP-062		
123A90-FDL-PP-DI-00005-01	1"-HY-007-03HSS-N	1	J1	03HSS	25-07	1"	300LB	5/8"	4	005	1"	HY	007	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00005-01	1	1"-HY-007-03HSS-N	HY-007	03HSS	25-07	J1	005-1-J1	Joint 005-1-J1	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-007		
123A90-FDL-PP-DI-00005-01	1"-HY-007-03HSS-N	1	J2	03HSS	25-07	1"	300LB	5/8"	4	005	1"	HY	007	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00005-01	1	1"-HY-007-03HSS-N	HY-007	03HSS	25-07	J2	005-1-J2	Joint 005-1-J2	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-007		
123A90-FDL-PP-DI-00005-01	1"-HY-007-03HSS-N	1	J3	03HSS	25-07	1"	300LB	5/8"	4	005	1"	HY	007	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00005-01	1	1"-HY-007-03HSS-N	HY-007	03HSS	25-07	J3	005-1-J3	Joint 005-1-J3	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-007		
123A90-FDL-PP-DI-00005-01	1"-HY-007-03HSS-N	1	J4	03HSS	25-07	1"	300LB	5/8"	4	005	1"	HY	007	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00005-01	1	1"-HY-007-03HSS-N	HY-007	03HSS	25-07	J4	005-1-J4	Joint 005-1-J4	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-007		
123A90-FDL-PP-DI-00005-02	1"-HY-007-03HSS-N	2	J5	03HSS	25-07	1"	300LB	5/8"	4	005	1"	HY	007	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00005-02	2	1"-HY-007-03HSS-N	HY-007	03HSS	25-07	J5	005-2-J5	Joint 005-2-J5	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-007		
123A90-FDL-PP-DI-00005-02	1"-HY-007-03HSS-N	2	J6	03HSS	25-07	1"	300LB	5/8"	4	005	1"	HY	007	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	1"-300LB-RF	123A90-FDL-PP-DI-00005-02	2	1"-HY-007-03HSS-N	HY-007	03HSS	25-07	J6	005-2-J6	Joint 005-2-J6	1"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-007		
123A90-FDL-PP-DI-00005-02	1"-HY-007-03HSS-N	2	J7	03HSS	25-07	3/4"	300LB	5/8"	4	005	1"	HY	007	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	3/4"-300LB-RF	123A90-FDL-PP-DI-00005-02	2	1"-HY-007-03HSS-N	HY-007	03HSS	25-07	J7	005-2-J7	Joint 005-2-J7	3/4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-007		
123A90-FDL-PP-DI-00005-02	1"-HY-007-03HSS-N	2	J8	03HSS	25-07	3/4"	300LB	5/8"	4	005	1"	HY	007	03HSS	N	RF	5/8"-A193 Gr.B7 Hot di	3/4"-300LB-RF	123A90-FDL-PP-DI-00005-02	2	1"-HY-007-03HSS-N	HY-007	03HSS	25-07	J8	005-2-J8	Joint 005-2-J8	3/4"	300LB	Gasket Spiral Wound Thk. 3.2 mm	AISI 316 + GRAPHITE c/w INNER RING	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	5/8"	4	N.A.	48	95	158,8	TP-007		
123A90-FDL-PP-DI-00021-01	1"-CI-029-01CP-E	1	J1	01CP	50-11	1"	150LB	1/2"	4	021	1"	CI	029	01CP	E	FF	1/2"-A193 Gr.B7 Hot di	1"-150LB-FF	123A90-FDL-PP-DI-00021-01	1	1"-CI-029-01CP-E	CI-029	01CP	50-11	J1	021-1-J1	Joint 021-1-J1	1"	150LB	Gasket Flat Thk. 3 mm	NITRILE RUBBER	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	5	9	15	TP-002		
123A90-FDL-PP-DI-00021-01	1"-CI-029-01CP-E	1	J2	01CP	50-11	1"	150LB	1/2"	4	021	1"	CI	029	01CP	E	FF	1/2"-A193 Gr.B7 Hot di	1"-150LB-FF	123A90-FDL-PP-DI-00021-01	1	1"-CI-029-01CP-E	CI-029	01CP	50-11	J2	021-1-J2	Joint 021-1-J2	1"	150LB	Gasket Flat Thk. 3 mm	NITRILE RUBBER	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	5	9	15	TP-002		
123A90-FDL-PP-DI-00021-01	1"-CI-029-01CP-E	1	J3	01CP	50-11	1"	150LB	1/2"	4	021	1"	CI	029	01CP	E	FF	1/2"-A193 Gr.B7 Hot di	1"-150LB-FF	123A90-FDL-PP-DI-00021-01	1	1"-CI-029-01CP-E	CI-029	01CP	50-11	J3	021-1-J3	Joint 021-1-J3	1"	150LB	Gasket Flat Thk. 3 mm	NITRILE RUBBER	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	5	9	15	TP-002		
123A90-FDL-PP-DI-00021-01	1"-CI-029-01CP-E	1	J4	01CP	50-11	3/4"	150LB	1/2"	4	021	1"	CI	029	01CP	E	FF	1/2"-A193 Gr.B7 Hot di	3/4"-150LB-FF	123A90-FDL-PP-DI-00021-01	1	1"-CI-029-01CP-E	CI-029	01CP	50-11	J4	021-1-J4	Joint 021-1-J4	3/4"	150LB	Gasket Flat Thk. 3 mm	NITRILE RUBBER	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	5	9	15	TP-002		
123A90-FDL-PP-DI-00021-01	1"-CI-029-01CP-E	1	J5	01CP	50-11	3/4"	150LB	1/2"	4	021	1"	CI	029	01CP	E	FF	1/2"-A193 Gr.B7 Hot di	3/4"-150LB-FF	123A90-FDL-PP-DI-00021-01	1	1"-CI-029-01CP-E	CI-029	01CP	50-11	J5	021-1-J5	Joint 021-1-J5	3/4"	150LB	Gasket Flat Thk. 3 mm	NITRILE RUBBER	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	5	9	15	TP-002		
123A90-FDL-PP-DI-00021-02	1"-CI-029-01CP-E	2	J6	01CP	50-11	3/4"	150LB	1/2"	4	021	1"	CI	029	01CP	E	FF	1/2"-A193 Gr.B7 Hot di	3/4"-150LB-FF	123A90-FDL-PP-DI-00021-02	2	1"-CI-029-01CP-E	CI-029	01CP	50-11	J6	021-2-J6	Joint 021-2-J6	3/4"	150LB	Gasket Flat Thk. 3 mm	NITRILE RUBBER	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	5	9	15	TP-002		
123A90-FDL-PP-DI-00021-02	1"-CI-029-01CP-E	2	J7	01CP	50-11	3/4"	150LB	1/2"	4	021	1"	CI	029	01CP	E	FF	1/2"-A193 Gr.B7 Hot di	3/4"-150LB-FF	123A90-FDL-PP-DI-00021-02	2	1"-CI-029-01CP-E	CI-029	01CP	50-11	J7	021-2-J7	Joint 021-2-J7	3/4"	150LB	Gasket Flat Thk. 3 mm	NITRILE RUBBER	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	5	9	15	TP-002		
123A90-FDL-PP-DI-00022-01	1"-CI-030-01CP-E	1	J1	01CP	50-11	1"	150LB	1/2"	4	022	1"	CI	030	01CP	E	FF	1/2"-A193 Gr.B7 Hot di	1"-150LB-FF	123A90-FDL-PP-DI-00022-01	1	1"-CI-030-01CP-E	CI-030	01CP	50-11	J1	022-1-J1	Joint 022-1-J1	1"	150LB	Gasket Flat Thk. 3 mm	NITRILE RUBBER	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	5	9	15	TP-002		
123A90-FDL-PP-DI-00022-01	1"-CI-030-01CP-E	1	J2	01CP	50-11	1"	150LB	1/2"	4	022	1"	CI	030	01CP	E	FF	1/2"-A193 Gr.B7 Hot di	1"-150LB-FF	123A90-FDL-PP-DI-00022-01	1	1"-CI-030-01CP-E	CI-030	01CP	50-11	J2	022-1-J2	Joint 022-1-J2	1"	150LB	Gasket Flat Thk. 3 mm	NITRILE RUBBER	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	5	9	15	TP-002		
123A90-FDL-PP-DI-00022-01	1"-CI-030-01CP-E	1	J3	01CP	50-11	1"	150LB	1/2"	4	022	1"	CI	030	01CP	E	FF	1/2"-A193 Gr.B7 Hot di	1"-150LB-FF	123A90-FDL-PP-DI-00022-01	1	1"-CI-030-01CP-E	CI-030	01CP	50-11	J3	022-1-J3	Joint 022-1-J3	1"	150LB	Gasket Flat Thk. 3 mm	NITRILE RUBBER	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	5	9	15	TP-002		
123A90-FDL-PP-DI-00024-01	1"-CI-032-01CP-E	1	J1	01CP	50-11	1"	150LB	1/2"	4	024	1"	CI	032	01CP	E	FF	1/2"-A193 Gr.B7 Hot di	1"-150LB-FF	123A90-FDL-PP-DI-00024-01	1	1"-CI-032-01CP-E	CI-032	01CP	50-11	J1	024-1-J1	Joint 024-1-J1	1"	150LB	Gasket Flat Thk. 3 mm	NITRILE RUBBER	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	5	9	15	TP-002		
123A90-FDL-PP-DI-00024-01	1"-CI-032-01CP-E	1	J2	01CP	50-11	1"	150LB	1/2"	4	024	1"	CI	032	01CP	E	FF	1/2"-A193 Gr.B7 Hot di	1"-150LB-FF	123A90-FDL-PP-DI-00024-01	1	1"-CI-032-01CP-E	CI-032	01CP	50-11	J2	024-1-J2	Joint 024-1-J2	1"	150LB	Gasket Flat Thk. 3 mm	NITRILE RUBBER	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	5	9	15	TP-002		
123A90-FDL-PP-DI-00024-01	1"-CI-032-01CP-E	1	J3	01CP	50-11	1"	150LB	1/2"	4	024	1"	CI	032	01CP	E	FF	1/2"-A193 Gr.B7 Hot di	1"-150LB-FF	123A90-FDL-PP-DI-00024-01	1	1"-CI-032-01CP-E	CI-032	01CP	50-11	J3	024-1-J3	Joint 024-1-J3	1"	150LB	Gasket Flat Thk. 3 mm	NITRILE RUBBER	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	5	9	15	TP-002		
123A90-FDL-PP-DI-00028-01	1"-CI-043-01CP-E	1	J1	01CP	55-00	1"	150LB	1/2"	4	028	1"	CI	043	01CP	E	FF	1/2"-A193 Gr.B7 Hot di	1"-150LB-FF	123A90-FDL-PP-DI-00028-01	1	1"-CI-043-01CP-E	CI-043	01CP	55-00	J1	028-1-J1	Joint 028-1-J1	1"	150LB	Gasket Flat Thk. 3 mm	NITRILE RUBBER	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	5	9	15	TP-005		
123A90-FDL-PP-DI-00028-02	1"-CI-043-01CP-E	2	J2	01CP	55-00	1"	150LB	1/2"	4	028	1"	CI	043	01CP	E	FF	1/2"-A193 Gr.B7 Hot di	1"-150LB-FF	123A90-FDL-PP-DI-00028-02	2	1"-CI-043-01CP-E	CI-043	01CP	50-00	J2	028-2-J2	Joint 028-2-J2	1"	150LB	Gasket Flat Thk. 3 mm	NITRILE RUBBER	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	5	9	15	TP-104		HOOK-UP
123A90-FDL-PP-DI-00028-02	1"-CI-043-01CP-E	2	J3	01CP	55-00	1"	150LB	1/2"	4	028	1"	CI	043	01CP	E	FF	1/2"-A193 Gr.B7 Hot di	1"-150LB-FF	123A90-FDL-PP-DI-00028-02	2	1"-CI-043-01CP-E	CI-043	01CP	50-00	J3	028-2-J3	Joint 028-2-J3	1"	150LB	Gasket Flat Thk. 3 mm	NITRILE RUBBER	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	5	9	15	TP-104		HOOK-UP
123A90-FDL-PP-DI-00028-02	1"-CI-043-01CP-E	2	J4	01CP	55-00	1"	150LB	1/2"	4	028	1"	CI	043	01CP	E	FF	1/2"-A193 Gr.B7 Hot di	1"-150LB-FF	123A90-FDL-PP-DI-00028-02	2	1"-CI-043-01CP-E	CI-043	01CP	50-00	J4	028-2-J4	Joint 028-2-J4	1"	150LB	Gasket Flat Thk. 3 mm	NITRILE RUBBER	A193 Gr.B7 Hot dip galvanized	A194 Gr.2H Hot dip galvanized	1/2"	4	N.A.	5	9	15	TP-104		HOOK-UP