TECHNICAL SERIES GUIDE

Stainless steel repair sleeves

Six repair geometries and four service variants. Measure the pipe and defect first; then confirm body, seal and finished assembly for the actual duty.

01 / REFERENCE FITTING

RC-TE / SS

Stainless Steel Repair Sleeve for Tee Fittings

Measure each interface. Confirm the finished assembly on its drawing.



INSIDE THIS GUIDE

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PRODUCT RANGE

Choose the shape first.

The measured pipe and defect decide the form. Stainless grade alone does not make unlike geometries interchangeable.



RC-SP / SS

Stainless Steel Split Repair Sleeve

Straight pipe repair zone

BUYER INPUT

Measured OD, defect length, pipe material and remaining wall.



RC-EL / SS

Stainless Steel Repair Sleeve for Elbow Fittings

Bend rather than straight pipe

BUYER INPUT

Bend radius, angle, tangent lengths and defect location.



RC-TE / SS

Stainless Steel Repair Sleeve for Tee Fittings

Main / branch intersection

BUYER INPUT

Main and branch ODs, centreline layout and branch clearance.

CONFIGURATION BOUNDARY

A stainless body alone does not establish seal compatibility, pressure rating, axial restraint or permission for live-line work. Confirm the complete assembly and installation method.

PRODUCT RANGE

Choose the shape first.

The measured pipe and defect decide the form. Stainless grade alone does not make unlike geometries interchangeable.



RC-RD / SS

Stainless Steel Repair Sleeve for Reducer Fittings

Change in pipe diameter

BUYER INPUT

Both measured ODs, reducer length, taper and repair envelope.



RC-FL / SS

Stainless Steel Repair Sleeve for Flange Joints

Bolted flange-joint assembly

BUYER INPUT

Flange geometry, bolt envelope, joint position and access.



RC-CR / SS

Stainless Steel Repair Sleeve for Cross Fittings

Four-way pipe intersection

BUYER INPUT

OD and orientation of every leg; distances from intersection.

CONFIGURATION BOUNDARY

A stainless body alone does not establish seal compatibility, pressure rating, axial restraint or permission for live-line work. Confirm the complete assembly and installation method.

SERVICE VARIANTS

Four duties beyond the base geometry.

The stainless grade does not replace a condition-specific assembly review. These four products need their own measured inputs and accepted evidence.



SS / PRESSURE

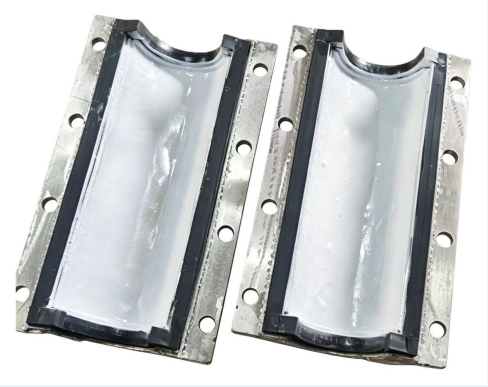
Stainless Steel High-Pressure Repair Sleeve

BUYER INPUT

Working, design, surge and test pressure; measured OD, wall and defect.

CONFIRM ON DRAWING

Confirm the whole assembly rating, fasteners, seal and agreed test.



SS / CORROSION

Stainless Steel Corrosion-Resistant Repair Sleeve

BUYER INPUT

Exact internal fluid, concentration, temperature and external exposure.

CONFIRM ON DRAWING

Check body grade, seal and fasteners for the specific environment.

CONFIGURATION BOUNDARY

A stainless body alone does not establish seal compatibility, pressure rating, axial restraint or permission for live-line work. Confirm the complete assembly and installation method.

SERVICE VARIANTS

Four duties beyond the base geometry.

The stainless grade does not replace a condition-specific assembly review. These four products need their own measured inputs and accepted evidence.



SS / HEAT

Stainless Steel High-Temperature Repair Sleeve

BUYER INPUT

Normal / peak temperatures, dwell time, pressure and thermal cycles.

CONFIRM ON DRAWING

Verify seal, body and fasteners at temperature; agree safe installation.



SS / COLD

Stainless Steel Ultra-Low-Temperature Repair Sleeve

BUYER INPUT

Minimum temperature, fluid phase, pressure and cycling history.

CONFIRM ON DRAWING

Confirm complete material / seal evidence and test basis in cold duty.

CONFIGURATION BOUNDARY

A stainless body alone does not establish seal compatibility, pressure rating, axial restraint or permission for live-line work. Confirm the complete assembly and installation method.

SELECTION MATRIX

Turn site data into a build.

Use the left column to prepare an inquiry and the right column to review what the selected drawing or offer must establish.

CHECK	BUYER INPUT	CONFIRM ON DRAWING
Pipe	Material, measured OD and wall condition; DN alone is insufficient.	Body bore, tolerance, contact length and pipe condition.
Geometry	Straight, elbow, tee, reducer, flange or cross; dimensioned photos.	Split line, envelope, joint clearance and assembly access.
Defect	Type, position, axial span and remaining wall.	Seal footprint and whether a sleeve is an appropriate repair.
Duty	Fluid, working / peak pressure, temperature and cycles.	Gasket, fasteners, body grade and agreed test basis.
Exposure	Buried, coastal, chemical or washdown; internal versus external.	SS304 / SS316L / duplex choice and protective details.

CONFIGURATION BOUNDARY

SS304	A material option; confirm environment and full assembly.
SS316L	Review where corrosion conditions require it; not a universal upgrade.
Duplex 2205	Use only where the selected design and supporting evidence call for it.

SEND ONE USEFUL INQUIRY

Send a dimensioned pipe / defect sketch, photos, material, measured OD, medium, working / peak pressure, temperature, quantity and destination. We identify what remains to be confirmed.

RELEASE CHECKLIST

From inquiry to approved build.

A compact handover checklist. Record unknowns instead of replacing them with assumptions; the approved drawing and agreed test define the supplied configuration.

01 / Geometry	Identify the exact pipe shape and dimension every interface separately.
02 / Service	Record medium, pressure transients and normal / extreme temperature.
03 / Integrity	State defect extent, remaining wall, corrosion and any growth concern.
04 / Assembly	Confirm body, seal, fastener and contact geometry on one drawing.
05 / Installation	Agree isolation, access, tightening sequence and site supervision.
06 / Verification	Agree inspection, pressure test and acceptance documentation.
07 / Commercial	State quantity, packaging, delivery destination and drawing revision.

HANDOVER PACKAGE

Approved drawing	Dimensions, materials, seal, fasteners and revision ID.
Product record	Selected model and conditions for this exact assembly.
Inspection / test	Agreed scope, measured result and acceptance record.
Shipping record	Part marking, quantity, packaging and destination.

SEND ONE USEFUL INQUIRY

Send a dimensioned pipe / defect sketch, photos, material, measured OD, medium, working / peak pressure, temperature, quantity and destination. We identify what remains to be confirmed.

PRICE APPENDIX

S4-SS / reference list prices

SS304 body × stainless pipe. Listed USD figures follow the current published S4-SS source; request a dated quotation before ordering.

ROW	DN	L / MM	OD / MM	BUILD	USD LIST
001	15	120	18	Molded	$27
002	15	120	21.3	Molded	$27
003	20	120	25	Molded	$27
004	20	120	27	Molded	$27
005	25	120	32	Molded	$32
006	25	120	34	Molded	$32
007	32	120	38	Molded	$37
008	32	120	42.4	Molded	$37
009	40	100	45	Molded	$35
010	40	100	48.3	Molded	$36
011	40	150	45	Molded	$52
012	40	150	48.3	Molded	$54
013	40	300	45	Molded	$105
014	40	300	48.3	Molded	$107
015	40	300	45	Welded	$155
016	40	300	48	Welded	$159
017	40	350	45	Welded	$177
018	40	350	48	Welded	$180
019	40	500	45	Molded	$175
020	40	500	48.3	Molded	$179
021	40	500	45	Welded	$240
022	40	500	48	Welded	$244
023	40	600	45	Molded	$210
024	40	600	48.3	Molded	$214
025	40	800	45	Molded	$280
026	40	800	48.3	Molded	$285
027	40	1000	45	Molded	$350
028	40	1000	48.3	Molded	$357
029	50	100	57	Molded	$38
030	50	100	60.3	Molded	$38
031	50	150	57	Molded	$56
032	50	150	60.3	Molded	$58

Rows 1–32 of 384. Match measured OD and manufacturing route; a row is not evidence of stock availability or final suitability.

PRICE APPENDIX

S4-SS / reference list prices

SS304 body × stainless pipe. Listed USD figures follow the current published S4-SS source; request a dated quotation before ordering.

ROW	DN	L / MM	OD / MM	BUILD	USD LIST
033	50	300	57	Molded	$113
034	50	300	60.3	Molded	$115
035	50	300	57	Welded	$169
036	50	300	60.3	Welded	$172
037	50	350	57	Welded	$191
038	50	350	60.3	Welded	$195
039	50	500	57	Molded	$188
040	50	500	60.3	Molded	$192
041	50	500	57	Welded	$258
042	50	500	60.3	Welded	$263
043	50	600	57	Molded	$226
044	50	600	60.3	Molded	$230
045	50	800	57	Molded	$301
046	50	800	60.3	Molded	$307
047	50	1000	57	Molded	$376
048	50	1000	60.3	Molded	$383
049	65	100	73	Molded	$41
050	65	100	76	Molded	$42
051	65	170	73	Molded	$70
052	65	170	76	Molded	$71
053	65	300	73	Molded	$123
054	65	300	76	Molded	$125
055	65	300	76	Welded	$190
056	65	350	76	Welded	$214
057	65	400	76	Welded	$239
058	65	500	73	Molded	$206
059	65	500	76	Molded	$209
060	65	500	76	Welded	$288
061	65	600	73	Molded	$247
062	65	600	76	Molded	$251
063	65	800	73	Molded	$329
064	65	800	76	Molded	$334

Rows 33–64 of 384. Match measured OD and manufacturing route; a row is not evidence of stock availability or final suitability.

PRICE APPENDIX

S4-SS / reference list prices

SS304 body × stainless pipe. Listed USD figures follow the current published S4-SS source; request a dated quotation before ordering.

ROW	DN	L / MM	OD / MM	BUILD	USD LIST
065	65	1000	73	Molded	$411
066	65	1000	76	Molded	$418
067	65	1000	76	Welded	$554
068	80	110	89	Molded	$49
069	80	260	89	Molded	$116
070	80	300	89	Molded	$134
071	80	300	89	Welded	$204
072	80	350	89	Welded	$230
073	80	400	89	Welded	$256
074	80	500	89	Molded	$223
075	80	500	89	Welded	$308
076	80	1000	89	Molded	$447
077	80	1000	89	Welded	$591
078	90	300	101.6	Molded	$142
079	90	300	101.6	Welded	$218
080	90	350	101.6	Welded	$245
081	90	400	101.6	Welded	$272
082	90	500	101.6	Molded	$237
083	90	500	101.6	Welded	$327
084	90	600	101.6	Molded	$285
085	90	800	101.6	Molded	$379
086	90	1000	101.6	Molded	$474
087	90	1000	101.6	Welded	$627
088	100	110	108	Molded	$54
089	100	110	114	Molded	$55
090	100	280	108	Molded	$137
091	100	280	114	Molded	$140
092	100	300	108	Molded	$146
093	100	300	114	Molded	$150
094	100	300	108	Welded	$225
095	100	300	114	Welded	$231
096	100	350	108	Welded	$253

Rows 65–96 of 384. Match measured OD and manufacturing route; a row is not evidence of stock availability or final suitability.

PRICE APPENDIX

S4-SS / reference list prices

SS304 body × stainless pipe. Listed USD figures follow the current published S4-SS source; request a dated quotation before ordering.

ROW	DN	L / MM	OD / MM	BUILD	USD LIST
097	100	350	114	Welded	$217
098	100	400	108	Welded	$281
099	100	400	114	Welded	$289
100	100	500	108	Molded	$244
101	100	500	114	Molded	$251
102	100	500	108	Welded	$337
103	100	500	114	Welded	$346
104	100	600	108	Molded	$293
105	100	600	114	Molded	$301
106	100	800	108	Molded	$391
107	100	800	114	Molded	$401
108	100	1000	108	Molded	$488
109	100	1000	114	Molded	$502
110	100	1000	108	Welded	$646
111	100	1000	114	Welded	$663
112	125	300	133	Molded	$163
113	125	300	140	Molded	$168
114	125	300	133	Welded	$252
115	125	300	140	Welded	$260
116	125	350	133	Welded	$283
117	125	350	140	Welded	$292
118	125	400	133	Welded	$314
119	125	400	140	Welded	$323
120	125	500	133	Molded	$272
121	125	500	140	Molded	$279
122	125	500	133	Welded	$375
123	125	500	140	Welded	$386
124	125	600	133	Molded	$326
125	125	600	140	Molded	$335
126	125	800	133	Molded	$435
127	125	800	140	Molded	$447
128	125	1000	133	Molded	$543

Rows 97–128 of 384. Match measured OD and manufacturing route; a row is not evidence of stock availability or final suitability.

PRICE APPENDIX

S4-SS / reference list prices

SS304 body × stainless pipe. Listed USD figures follow the current published S4-SS source; request a dated quotation before ordering.

ROW	DN	L / MM	OD / MM	BUILD	USD LIST
129	125	1000	140	Molded	$559
130	125	1000	133	Welded	$717
131	125	1000	140	Welded	$738
132	150	110	159	Molded	$66
133	150	110	165	Molded	$67
134	150	300	159	Welded	$281
135	150	300	168	Welded	$291
136	150	320	159	Molded	$192
137	150	320	165	Molded	$196
138	150	350	159	Welded	$315
139	150	350	168	Welded	$325
140	150	400	159	Welded	$348
141	150	400	168	Welded	$360
142	150	500	159	Molded	$300
143	150	500	165	Molded	$307
144	150	500	159	Welded	$416
145	150	500	168	Welded	$429
146	150	600	159	Molded	$360
147	150	600	165	Molded	$368
148	150	800	159	Molded	$481
149	150	800	165	Molded	$491
150	150	1000	159	Molded	$601
151	150	1000	165	Molded	$614
152	150	1000	159	Welded	$752
153	150	1000	168	Welded	$818
154	200	200	219	Molded	$293
155	200	250	219	Molded	$293
156	200	300	219	Molded	$293
157	200	300	219	Welded	$347
158	200	350	219	Molded	$293
159	200	350	219	Welded	$387
160	200	400	219	Molded	$293

Rows 129–160 of 384. Match measured OD and manufacturing route; a row is not evidence of stock availability or final suitability.

PRICE APPENDIX

S4-SS / reference list prices

SS304 body × stainless pipe. Listed USD figures follow the current published S4-SS source; request a dated quotation before ordering.

ROW	DN	L / MM	OD / MM	BUILD	USD LIST
161	200	400	219	Welded	$427
162	200	500	219	Molded	$366
163	200	500	219	Welded	$508
164	200	600	219	Molded	$440
165	200	600	219	Welded	$589
166	200	800	219	Molded	$586
167	200	800	219	Welded	$750
168	200	1000	219	Molded	$733
169	200	1000	219	Welded	$964
170	250	200	273	Molded	$404
171	250	250	273	Molded	$404
172	250	300	273	Molded	$404
173	250	300	273	Welded	$406
174	250	350	273	Molded	$404
175	250	350	273	Welded	$453
176	250	400	273	Molded	$404
177	250	400	273	Welded	$499
178	250	500	273	Molded	$506
179	250	500	273	Welded	$591
180	250	600	273	Molded	$607
181	250	600	273	Welded	$684
182	250	800	273	Molded	$809
183	250	800	273	Welded	$869
184	250	1000	273	Molded	$1011
185	250	1000	273	Welded	$1118
186	300	200	325	Molded	$462
187	300	250	325	Molded	$462
188	300	300	325	Molded	$462
189	300	300	325	Welded	$572
190	300	350	325	Molded	$462
191	300	350	325	Welded	$642
192	300	400	325	Molded	$462

Rows 161–192 of 384. Match measured OD and manufacturing route; a row is not evidence of stock availability or final suitability.

PRICE APPENDIX

S4-SS / reference list prices

SS304 body × stainless pipe. Listed USD figures follow the current published S4-SS source; request a dated quotation before ordering.

ROW	DN	L / MM	OD / MM	BUILD	USD LIST
193	300	400	325	Welded	$712
194	300	500	325	Molded	$577
195	300	500	325	Welded	$852
196	300	600	325	Molded	$692
197	300	600	325	Welded	$992
198	300	800	325	Molded	$923
199	300	800	325	Welded	$1272
200	300	1000	325	Molded	$1154
201	300	1000	325	Welded	$1734
202	350	200	355.6	Molded	$557
203	350	200	377	Molded	$649
204	350	250	355.6	Molded	$557
205	350	250	377	Molded	$649
206	350	300	355.6	Molded	$557
207	350	300	377	Molded	$649
208	350	300	355.6	Welded	$611
209	350	300	377	Welded	$638
210	350	350	355.6	Molded	$557
211	350	350	377	Molded	$649
212	350	350	355.6	Welded	$685
213	350	350	377	Welded	$715
214	350	400	355.6	Molded	$557
215	350	400	377	Molded	$649
216	350	400	355.6	Welded	$759
217	350	400	377	Welded	$792
218	350	450	355.6	Molded	$557
219	350	450	355.6	Welded	$833
220	350	500	355.6	Molded	$619
221	350	500	377	Molded	$649
222	350	500	355.6	Welded	$907
223	350	500	377	Welded	$946
224	350	600	355.6	Molded	$743

Rows 193–224 of 384. Match measured OD and manufacturing route; a row is not evidence of stock availability or final suitability.

PRICE APPENDIX

S4-SS / reference list prices

SS304 body × stainless pipe. Listed USD figures follow the current published S4-SS source; request a dated quotation before ordering.

ROW	DN	L / MM	OD / MM	BUILD	USD LIST
225	350	600	377	Molded	$778
226	350	600	355.6	Welded	$1056
227	350	600	377	Welded	$1101
228	350	800	355.6	Molded	$991
229	350	800	377	Molded	$1038
230	350	800	355.6	Welded	$1353
231	350	800	377	Welded	$1409
232	350	1000	355.6	Molded	$1238
233	350	1000	377	Molded	$1297
234	350	1000	355.6	Welded	$1832
235	350	1000	377	Welded	$1900
236	400	300	406.4	Welded	$675
237	400	300	426	Welded	$700
238	400	350	406.4	Welded	$756
239	400	350	426	Welded	$784
240	400	400	406.4	Welded	$837
241	400	400	426	Welded	$868
242	400	500	406.4	Welded	$1000
243	400	500	426	Welded	$1035
244	400	600	406.4	Welded	$1162
245	400	600	426	Welded	$1203
246	400	800	406.4	Welded	$1487
247	400	800	426	Welded	$1539
248	400	1000	406.4	Welded	$1994
249	400	1000	426	Welded	$2056
250	450	300	457.2	Welded	$739
251	450	300	480	Welded	$768
252	450	350	457.2	Welded	$827
253	450	350	480	Welded	$859
254	450	400	457.2	Welded	$916
255	450	400	480	Welded	$951
256	450	500	457.2	Welded	$1092

Rows 225–256 of 384. Match measured OD and manufacturing route; a row is not evidence of stock availability or final suitability.

PRICE APPENDIX

S4-SS / reference list prices

SS304 body × stainless pipe. Listed USD figures follow the current published S4-SS source; request a dated quotation before ordering.

ROW	DN	L / MM	OD / MM	BUILD	USD LIST
257	450	500	480	Welded	$1133
258	450	600	457.2	Welded	$1268
259	450	600	480	Welded	$1316
260	450	800	457.2	Welded	$1621
261	450	800	480	Welded	$1681
262	450	1000	457.2	Welded	$2156
263	450	1000	480	Welded	$2229
264	500	300	508	Welded	$804
265	500	300	529	Welded	$830
266	500	350	508	Welded	$899
267	500	350	529	Welded	$928
268	500	400	508	Welded	$994
269	500	400	529	Welded	$1026
270	500	500	508	Welded	$1184
271	500	500	529	Welded	$1223
272	500	600	508	Welded	$1375
273	500	600	529	Welded	$1419
274	500	800	508	Welded	$1755
275	500	800	529	Welded	$1811
276	500	1000	508	Welded	$2318
277	500	1000	529	Welded	$2203
278	550	500	559	Welded	$1277
279	550	1000	559	Welded	$2481
280	600	300	610	Welded	$879
281	600	300	630	Welded	$904
282	600	350	610	Welded	$1211
283	600	350	630	Welded	$1244
284	600	400	610	Welded	$1322
285	600	400	630	Welded	$1358
286	600	500	610	Welded	$1543
287	600	500	630	Welded	$1584
288	600	600	610	Welded	$1764

Rows 257–288 of 384. Match measured OD and manufacturing route; a row is not evidence of stock availability or final suitability.

PRICE APPENDIX

S4-SS / reference list prices

SS304 body × stainless pipe. Listed USD figures follow the current published S4-SS source; request a dated quotation before ordering.

ROW	DN	L / MM	OD / MM	BUILD	USD LIST
289	600	600	630	Welded	$1811
290	600	800	610	Welded	$2206
291	600	800	630	Welded	$2264
292	600	1000	610	Welded	$2831
293	600	1000	630	Welded	$2900
294	600	1500	610	Welded	$4247
295	600	1500	630	Welded	$4575
296	600	2000	630	Welded	$5800
297	650	500	660	Welded	$2407
298	650	1000	660	Welded	$3872
299	700	500	711	Welded	$2562
300	700	500	720	Welded	$2589
301	700	600	711	Welded	$2872
302	700	600	720	Welded	$2902
303	700	800	711	Welded	$3491
304	700	800	720	Welded	$3527
305	700	1000	711	Welded	$4111
306	700	1000	720	Welded	$4153
307	750	500	762	Welded	$2716
308	750	1000	762	Welded	$4349
309	800	500	813	Welded	$2871
310	800	500	820	Welded	$2892
311	800	600	813	Welded	$3214
312	800	600	820	Welded	$3238
313	800	800	813	Welded	$3901
314	800	800	820	Welded	$3929
315	800	1000	813	Welded	$4588
316	800	1000	820	Welded	$4621
317	850	500	864	Welded	$3025
318	850	1000	864	Welded	$4827
319	900	500	914	Welded	$3177
320	900	500	920	Welded	$3195

Rows 289–320 of 384. Match measured OD and manufacturing route; a row is not evidence of stock availability or final suitability.

PRICE APPENDIX

S4-SS / reference list prices

SS304 body × stainless pipe. Listed USD figures follow the current published S4-SS source; request a dated quotation before ordering.

ROW	DN	L / MM	OD / MM	BUILD	USD LIST
321	900	600	914	Welded	$3553
322	900	600	920	Welded	$3573
323	900	800	914	Welded	$4307
324	900	800	920	Welded	$4331
325	900	1000	914	Welded	$5061
326	900	1000	920	Welded	$5089
327	950	500	965	Welded	$3331
328	950	1000	965	Welded	$5299
329	1000	500	1016	Welded	$3485
330	1000	500	1020	Welded	$3498
331	1000	600	1016	Welded	$3896
332	1000	600	1020	Welded	$3909
333	1000	800	1016	Welded	$4717
334	1000	800	1020	Welded	$4733
335	1000	1000	1016	Welded	$5538
336	1000	1000	1020	Welded	$5557
337	1050	500	1067	Welded	$3710
338	1050	1000	1067	Welded	$5917
339	1100	500	1118	Welded	$3864
340	1100	500	1120	Welded	$3870
341	1100	1000	1118	Welded	$6156
342	1100	1000	1120	Welded	$6165
343	1150	500	1168	Welded	$4016
344	1150	1000	1168	Welded	$6390
345	1200	500	1219	Welded	$4170
346	1200	1000	1219	Welded	$6628
347	1300	500	1321	Welded	$4479
348	1300	1000	1321	Welded	$7105
349	1400	500	1422	Welded	$8416
350	1400	1000	1422	Welded	$12849
351	1500	500	1524	Welded	$8978
352	1500	1000	1524	Welded	$13691

Rows 321–352 of 384. Match measured OD and manufacturing route; a row is not evidence of stock availability or final suitability.

PRICE APPENDIX

S4-SS / reference list prices

SS304 body × stainless pipe. Listed USD figures follow the current published S4-SS source; request a dated quotation before ordering.

ROW	DN	L / MM	OD / MM	BUILD	USD LIST
353	1600	500	1624	Welded	$9528
354	1600	1000	1624	Welded	$14517
355	1700	500	1727	Welded	$10095
356	1700	1000	1727	Welded	$15368
357	1800	500	1829	Welded	$10657
358	1800	1000	1829	Welded	$16210
359	1900	500	1930	Welded	$11213
360	1900	1000	1930	Welded	$17044
361	2000	500	2020	Welded	$11708
362	2000	500	2032	Welded	$11774
363	2000	1000	2020	Welded	$17787
364	2000	1000	2032	Welded	$17886
365	2100	500	2134	Welded	$12336
366	2100	1000	2134	Welded	$18729
367	2200	500	2235	Welded	$12892
368	2200	1000	2235	Welded	$19563
369	2300	500	2337	Welded	$13454
370	2300	1000	2337	Welded	$20405
371	2400	500	2438	Welded	$14010
372	2400	1000	2438	Welded	$21239
373	2500	500	2540	Welded	$14571
374	2500	1000	2540	Welded	$22081
375	2600	500	2642	Welded	$15133
376	2600	1000	2642	Welded	$22924
377	2800	500	2845	Welded	$16250
378	2800	1000	2845	Welded	$24600
379	3000	500	3048	Welded	$17368
380	3000	1000	3048	Welded	$26277
381	3200	500	3251	Welded	$18486
382	3200	1000	3251	Welded	$27953
383	3400	500	3454	Welded	$19603
384	3400	1000	3454	Welded	$29630

Rows 353–384 of 384. Match measured OD and manufacturing route; a row is not evidence of stock availability or final suitability.