



SeaCor™

by GF Piping Systems

A Whole New Age In Marine Piping Systems.



No. 164.141/36/0



INTERNATIONAL
MARITIME
ORGANIZATION



Transports
Canada



USCG and ABS Approved

SeaCor is the first and only commercially available United States Coast Guard-approved marine plastic piping system in the world. It is the only plastic potable water piping system that meets the IMO and USCG requirements for flame spread, low smoke and toxicity. It also carries Type Approval from the American Bureau of Shipping (ABS).

		U. S. Department of Homeland Security United States Coast Guard Certificate of Approval	
Coast Guard Approval Number: 164.141/36/0		Expires: 30 December 2016	
PLASTIC PIPING SYSTEMS			
Georg Fischer, LLC Potash, CH-8201 Schaffhausen Switzerland			
SeaCor Pipes and Fittings.			
SeaCor schedule 80 pipe of nominal diameters 1/2" to 12" meet Low Flame Spread, and Smoke and Toxicity requirements of the FTP Code Annex 1, Parts 2 and 5. May be installed in concealed spaces in accommodation, service, and control spaces, and need not meet the additional requirements of 46 CFR 56.60-25(a) (2).			
SeaCor piping has not been subjected to fire endurance testing and is therefore not suitable for applications requiring fire endurance testing as specified in IMO Resolution A.753(18).			
Identifying Data: Test Reports: SwRI Project Nos. 01.16052.01.647a and 01.16052.01.647b dated 16 November 2011. Follow-up Procedure Document No. 01.025000.02.198, Revision No. 0 dated December 2011.			
Valid only for products manufactured at: Georg Fischer Sloane Piping Systems LLC 7777 Sloane Drive Little Rock, AR 77206			
Product must be installed in accordance with manufacturer's guidelines; all bonders must hold ASME B31.3 bonder qualifications certificates.			
*** END ***			
THIS IS TO CERTIFY THAT the above named manufacturer has submitted to the undersigned satisfactory evidence that the item specified herein complies with the applicable laws and regulations as outlined on the reverse side of this Certificate, and approval is hereby given. This approval shall be in effect until the expiration date hereon unless sooner canceled or suspended by proper authority.			
		GIVEN UNDER MY HAND THIS 30 th DAY OF DECEMBER 2011, AT WASHINGTON D.C.	
		K. J. HEINZ Chief, Lifesaving and Fire Safety Division BY DIRECTION OF THE COMMANDANT	
DEPT. OF HOMELAND SECURITY, USCG, CGHQ-10030 (REV. 3-03)			

Certificate Number: 08-HS242939B-6-PDA 19/NOV/2012

Confirmation of Product Type Approval
Restrictions* shown below to determine if Unit Certification is required for this product. Information on the product in the ABS Records as of the date and time the certificate is
American Bureau of Shipping (ABS), the manufacturer of the below listed product held
ment (MA) with expiration date of 18/MAY/2017. The continued validity of the
s dependent on completion of satisfactory audits as required by the ABS Rules.
ssment (PDA) valid until 06/JUN/2017 subject to continued compliance with the Rules
uation of the product.
it to be called Product Type Approved.
ment is valid for products intended for use on ABS classed vessels, MODUs or facilities
der contract for construction on the date of the ABS Rules used to evaluate the
ins regarding Type Approval of the Product for use on vessels, MODUs or facilities
S Rules used for this evaluation.
ications used in the products ABS has evaluated for Type Approval, it is part of our
andard is an ABS Rule or a non-ABS Rule, the Client has full responsibility for
re standard.
ct Name: Thermoplastic Pipe, Fittings and Joints
SeaCor Thermoplastic CPVC Schedule 80 Pipe & Fittings
, LLC.
Non-essential systems for water per ABS Steel Vessel Rule 4-6-3/Table 1, such as
Hot and Cold Water Systems, Salt and Fresh Water Systems, Deck Wash, Bilge,
and Cooling Water Systems in the correct Temperature Range, where No Fire
Endurance Test or Electrical Conductivity is required.
CPVC Schedule 80 pipe and fitting diameters 1/2" to 12".
Temperature range 32 °F (0 °C) to 210 °F (99 °C); Max pressure rating for
Schedule 80 CPVC Pipe at 73 °F (23 °C): 1/2" - 848 psi (57.7 bar); 3/4" - 688 psi
(46.8 bar); 1" - 630 psi (42.9 bar); 1 1/4" - 520 psi (35.4 bar); 1 1/2" - 471 psi (32.0
bar); 2" - 404 psi (27.5 bar); 2 1/2" - 425 psi (28.9 bar); 3" - 375 psi (25.5 bar); 4" -
324 psi (22.0 bar); 6" - 279 psi (19.0 bar); 8" - 246 psi (16.7 bar); 10" - 234 psi
(15.9 bar); 12" - 228 psi (15.5 bar) Manufacturer and/or ASTM F441 is to be
consulted concerning pressure de-rating for temperatures above ambient.
Unit Certification is not required for this product. If the manufacturer or purchaser
request an ABS Certificate for compliance with a specification or standard, the
specification or standard, including inspection standards and tolerances, must be
clearly defined. 1) This material is not considered electrically conductive and
therefore cannot be used in hazardous areas, or with non conductive fluids in
accordance with SVR 4-6-3/5.15 and MODU 4-2-2/7.5.8. 2) This material has not
been tested for fire endurance and therefore can only be used in services/locations
indicated as 0, no fire endurance testing required, in accordance with SVR

specifications used to evaluate the Product. Use of the Product on a vessel, MODU or facility which is contracted after the validity date of the certificate and specifications used to evaluate the Product, will require re-evaluation. PDA. Use of the Product for non ABS classed vessels, MODUs or to an agreement between the manufacturer and intended client.	2012 Steel Vessels Rules 1-1-4/7.7, 4-6-3/5.1, 5.3, 5.7, 5.9, 5.13.1, 4-6-3/9		
ABS Rules:			
National Standards:	ASTM D1784, ASTM F441, NSF PW mark		
International Standards:	IMO Resolution A.653(16), IMO Resolution A.753(18), IMO FTP Code Annex 1 Parts 2 and 5.		
Government Authority:	USCG Approval Number 164.141/36/0 dated 30 December 2011, Expires: 29 December 2016 Per USCG approval this product may be installed in concealed spaces in accommodations, service, and control spaces, and need not meet the additional requirements of 46 CFR 56.60-25 (a) (2).		
EUMED:			
Others:	Transport of Canada (TC)		
Model Certificate	Model Certificate No	Issue Date	Expiry Date
PDA	08-HS242939B-6-PDA	07/JUN/2012	06/JUN/2017
			
ABS Programs			
ABS has used due diligence in the preparation of this certificate and it represents the information on the product in the ABS Records as of the date and time the certificate was printed. Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. Limited circumstances may allow only Prototype Testing to satisfy Type			

W&O: Your Source For the only United States Coast Guard Approved Marine Plastic Piping System – SeaCor™

W&O is the proud North American distributor for the groundbreaking SeaCor™ piping systems from Georg Fischer – the first and only commercially available United States Coast Guard-Approved (USCG) marine plastic piping system in the world and the only NSF Approved plastic potable water piping system.

SeaCor™ piping systems represent a unique, cost-saving solution to optimize vessel performance. Light in weight and long-lasting, the SeaCor thermoplastic piping system can lower costs for ship owners and operators, both initially and over time. Costs for a SeaCor piping system are competitive to copper piping systems, yet thermoplastic systems have a longer life span, sometimes as much as 25 years, making it a sound life-cycle investment.

SeaCor provides a wide range of benefits to ship owners and operators and can be used in non-essential shipboard piping systems in locations including Category A machinery spaces, accommodation spaces, control spaces, cofferdams, void spaces and pipe tunnels.

SeaCor is available in ½" through 6" Schedule 80 nominal pipe size with larger sizes available by special order. The product range also includes tees, elbows, couplings, adapters, and flanges, among others. SeaCor can operate in temperatures ranging from 32 F (0 C) to 210 F (99 C) and under a working pressure of 279 PSI (19 Bar) at 73 F. USCG approvals require all individuals installing SeaCor to be trained and qualified. W&O offers this training to its customers on-site or at a W&O facility. They have also committed to stocking SeaCor in key locations in order to support the immediate needs of its marine and marine offshore clients.

About W&O

For four decades, W&O has focused exclusively on serving the maritime industry with products and services that go far beyond the expected. In the maritime industry, we have built a well-earned reputation for going the extra mile to make sure every need of every client is met, forming win-win strategic partnerships with those we serve.

W&O is among the world's largest suppliers of pipe, valves, fittings, actuation and engineered solutions to the marine and offshore industries. We also lead the way in ballast water treatment systems, energy conservation and fuel-management systems.

The industries we serve work 24/7, and so does W&O. Around the clock, every day of the year, we provide mission-critical products and services for our many strategically located service centers covering North America, Europe and Brazil.



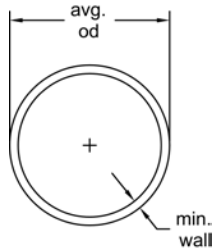
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SeaCor™ Schedule 80 Pressure Pipes

SeaCor™ Pipe - Plain End - 20 ft lengths

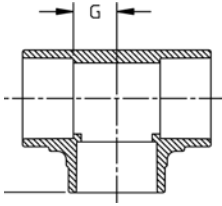


- Must be purchased in full box qty

Pipe Size [inch]	P/L	Plain End Part No.	Box Qty [ft]	Average O.D. [inch]	min. wall [inch]	Wt/Ft [lbs/ft]	Max Pressure @ 73°F (22.7°C) [psi]
1/2	A38	37J021005 *	1400	0.840	0.147	0.225	850
3/4	A38	37J021007 *	1200	1.050	0.154	0.305	690
1	A38	37J021010 *	800	1.315	0.179	0.449	630
1 1/4	A38	37J021012 *	500	1.660	0.191	0.618	520
1 1/2	A38	37J021015 *	400	1.900	0.200	0.751	470
2	A38	37J021020 *	240	2.375	0.218	1.040	400
2 1/2	A38	37J021025 *	180	2.875	0.276	1.584	420
3	A38	37J021030 *	120	3.500	0.300	2.124	370
4	A38	37J021040 *	80	4.500	0.337	3.105	320
6	A38	37J021060 *	40	6.625	0.432	5.929	280



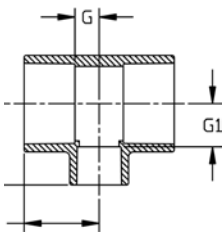
SeaCor™ Schedule 80 Pressure Fittings



Tee (S x S x S)

• Must be purchased in full pack qty

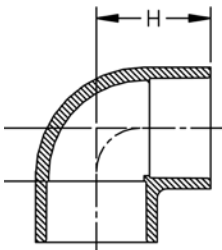
Size [inch]	P/L	Part No.	Pack Qty	H [inch]	G [inch]	Design
1/2	A37	37J101005 *	25	1.49	0.50	SL
3/4	A37	37J101007 *	20	1.61	0.56	SL
1	A37	37J101010 *	15	1.86	0.72	SL
1 1/4	A37	37J101012 *	10	2.19	0.91	SL
1 1/2	A37	37J101015 *	10	2.44	1.06	SL
2	A37	37J101020 *	5	2.82	1.32	SL
2 1/2	A37	37J101025 *	5	3.33	1.50	SL
3	A37	37J101030 *	5	3.75	1.85	SL
4	A37	37J101040 *	5	4.63	2.38	SL
6	A37	37J101060 *	2	6.53	3.53	SL



Reducing Tee (S x S x S)

• Must be purchased in full pack qty

Size [inch]	P/L	Part No.	Pack Qty	HJ [inch]	HN [inch]	G [inch]	G1 [inch]	Design
3/4 x 1/2	A37	37J101101 *	20	1.63	1.63	0.61	0.73	SL
1 x 1/2	A37	37J101130 *	15	1.88	1.63	0.73	0.75	SL
1 x 3/4	A37	37J101131 *	15	1.88	1.87	0.73	0.86	SL
1 1/4 x 1	A37	37J101168 *	10	2.00	2.00	0.73	0.91	SL
1 1/2 x 1/2	A37	37J101209 *	10	2.41	2.70	1.03	1.82	SL
1 1/2 x 3/4	A37	37J101210 *	10	2.00	2.00	0.61	1.05	SL
1 1/2 x 1	A37	37J101211 *	10	2.13	2.20	0.73	0.81	SL
2 x 1/2	A37	37J101247 *	5	2.78	3.06	1.28	1.22	SL
2 x 3/4	A37	37J101248 *	5	2.13	2.31	0.73	1.29	SL
2 x 1	A37	37J101249 *	5	2.25	2.44	0.73	1.26	SL
2 x 1 1/2	A37	37J101251 *	5	2.56	2.69	1.05	1.29	SL
2 1/2 x 2	A37	37J101292 *	5	3.04	3.04	1.28	1.53	SL
3 x 1 1/4	A37	37J201336 *	5	3.21	4.09	1.31	2.43	BUSH
3 x 1 1/2	A37	37J201337 *	5	3.21	4.07	1.31	2.27	BUSH
3 x 2	A37	37J101338 *	5	3.21	3.40	1.31	1.87	SL
3 x 2 1/2	A37	37J201339 *	5	3.75	4.08	1.85	2.24	BUSH
4 x 2	A37	37J101420 *	5	3.52	3.88	1.26	2.37	SL
4 x 3	A37	37J101422 *	5	4.15	4.31	1.87	2.39	SL
6 x 2	A37	37J201528 *	2	6.58	7.21	3.56	5.65	BUSH
6 x 3	A37	37J201530 *	2	6.58	7.21	3.56	5.26	BUSH
6 x 4	A37	37J101532 *	2	6.58	6.81	3.49	4.50	SL



90° Ell (S x S)

• Must be purchased in full pack qty

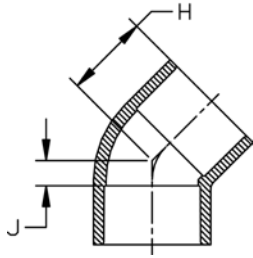
Size [inch]	P/L	Part No.	Pack Qty	H [inch]	G [inch]	Design
1/2	A37	37J106005 *	25	1.41	0.50	SL
3/4	A37	37J106007 *	20	1.61	0.56	SL
1	A37	37J106010 *	15	1.86	0.69	SL
1 1/4	A37	37J106012 *	10	2.16	0.91	SL
1 1/2	A37	37J106015 *	10	2.41	1.03	SL
2	A37	37J106020 *	5	2.78	1.28	SL
2 1/2	A37	37J106025 *	5	3.29	1.53	SL
3	A37	37J106030 *	5	3.75	1.85	SL
4	A37	37J106040 *	5	4.59	2.34	SL
6	A37	37J106060 *	2	6.70	3.69	SL

^ = 40% Restock Charge

* = Non-Cancelable/Non-Returnable

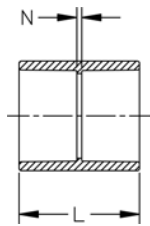
SeaCor™ Schedule 80 Pressure Fittings

45° Ell (S x S)



• Must be purchased in full pack qty

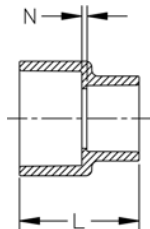
Size [inch]	P/L	Part No.	Pack Qty	H [inch]	J [inch]	Design	
1/2	A37	37J117005 *	25	1.21	0.25	SL	
3/4	A37	37J117007 *	10	1.32	0.33	SL	
1	A37	37J117010 *	15	1.47	0.29	SL	
1 1/4	A37	37J117012 *	10	1.68	0.38	SL	
1 1/2	A37	37J117015 *	10	1.88	0.44	SL	
2	A37	37J117020 *	5	2.16	0.60	SL	
2 1/2	A37	37J117025 *	5	2.53	0.76	SL	
3	A37	37J117030 *	5	2.66	0.78	SL	
4	A37	37J117040 *	5	3.24	0.95	SL	
6	A37	37J117060 *	2	4.81	1.74	SL	



Coupling (S x S)

• Must be purchased in full pack qty

Size [inch]	P/L	Part No.	Pack Qty	L [inch]	N [inch]	Design	
1/2	A37	37J129005 *	25	1.93	0.13	SL	
3/4	A37	37J129007 *	20	2.18	0.13	SL	
1	A37	37J129010 *	15	2.41	0.13	SL	
1 1/4	A37	37J129012 *	10	2.64	0.12	SL	
1 1/2	A37	37J129015 *	10	2.90	0.13	SL	
2	A37	37J129020 *	5	3.14	0.12	SL	
2 1/2	A37	37J129025 *	5	3.75	0.16	SL	
3	A37	37J129030 *	5	4.05	0.25	SL	
4	A37	37J129040 *	5	4.79	0.25	SL	
6	A37	37J129060 *	2	6.41	0.34	SL	

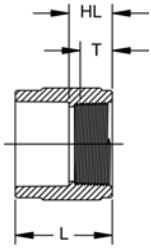


Reducing Coupling (S x S)

• Must be purchased in full pack qty

Size [inch]	P/L	Part No.	Pack Qty	L [inch]	N [inch]	Design	
3/4 x 1/2	A37	37J129101 *	20	2.16	0.14	HS	
1 x 1/2	A37	37J129130 *	15	2.12	0.09	HS	
1 x 3/4	A37	37J129131 *	15	2.26	0.12	HS	
1 1/2 x 1/2	A37	37J229209 *	10	2.93	0.64	BUSH	
1 1/2 x 3/4	A37	37J229210 *	10	2.93	0.54	BUSH	
1 1/2 x 1	A37	37J129211 *	10	2.66	0.10	HS	
1 1/2 x 1 1/4	A37	37J129212 *	10	2.82	0.10	HS	
2 x 1/2	A37	37J229247 *	5	3.39	0.87	BUSH	
2 x 3/4	A37	37J229248 *	5	3.39	0.77	BUSH	
2 x 1	A37	37J129249 *	5	3.12	0.33	HS	
2 x 1 1/4	A37	37J129250 *	5	3.37	0.52	HS	
2 x 1 1/2	A37	37J129251 *	5	3.05	0.10	HS	
2 1/2 x 1 1/2	A37	37J129291 *	5	3.30	0.13	HS	
2 1/2 x 2	A37	37J229292 *	5	4.00	0.65	BUSH	
3 x 1 1/2	A37	37J229337 *	5	3.91	0.56	BUSH	
3 x 2	A37	37J129338 *	5	3.61	0.16	HS	
3 x 2 1/2	A37	37J229339 *	5	4.58	0.64	BUSH	
4 x 2	A37	37J229420 *	5	4.94	1.12	BUSH	
4 x 2 1/2	A37	37J229421 *	5	4.92	0.65	BUSH	
4 x 3	A37	37J129422 *	5	4.39	0.26	HS	
6 x 4	A37	37J129532 *	2	10.25	3.50	HS	

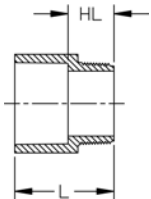
SeaCor™ Schedule 80 Pressure Fittings



Female Adapter (S x FPT)

• Must be purchased in full pack qty

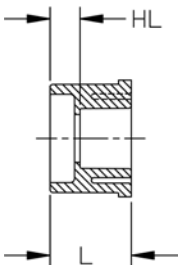
Size [inch]	P/L	Part No.	Pack Qty	HL [inch]	L [inch]	T [inch]	Design
1/2	A37	37J135005 *	25	0.91	1.79	0.53	HS
3/4	A37	37J135007 *	20	0.95	1.96	0.55	HS
1	A37	37J135010 *	15	1.11	2.26	0.68	HS
1 1/4	A37	37J135012 *	10	1.16	2.44	0.71	HS
1 1/2	A37	37J135015 *	10	1.19	2.58	0.72	HS
2	A37	37J135020 *	5	1.23	2.74	0.76	HS
3	A37	37J135030 *	5	1.91	3.82	1.20	HS
4	A37	37J135040 *	5	2.02	4.29	1.30	HS



Male Adapter (S x MPT)

• Must be purchased in full pack qty

Size [inch]	P/L	Part No.	Pack Qty	HL [inch]	L [inch]	Design
1/2	A37	37J136005 *	25	0.98	1.86	SL
3/4	A37	37J136007 *	20	1.00	2.04	SL
1	A37	37J136010 *	15	1.21	2.39	SL
1 1/4	A37	37J136012 *	10	1.29	2.56	SL
1 1/2	A37	37J136015 *	10	1.32	2.72	SL
2	A37	37J136020 *	5	1.35	2.88	SL
3	A37	37J136030 *	5	2.02	3.92	SL
4	A37	37J136040 *	5	2.08	4.40	SL



Flush Style Reducer Bushing (SPG x S)

• Must be purchased in full pack qty

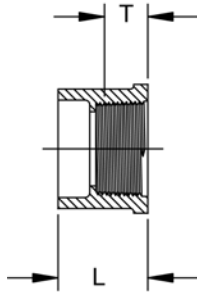
Size [inch]	P/L	Part No.	Pack Qty	HL [inch]	L [inch]	Design
3/4 x 1/2	A37	37J137101 *	20	0.40	1.29	FLUSH
1 x 1/2	A37	37J137130 *	15	0.54	1.42	FLUSH
1 x 3/4	A37	37J137131 *	15	0.44	1.42	FLUSH
1 1/4 x 1/2	A37	37J137166 *	10	0.66	1.56	FLUSH
1 1/4 x 3/4	A37	37J137167 *	10	0.55	1.57	FLUSH
1 1/4 x 1	A37	37J137168 *	10	0.42	1.57	FLUSH
1 1/2 x 1/2	A37	37J137209 *	10	0.77	1.68	FLUSH
1 1/2 x 3/4	A37	37J137210 *	10	0.67	1.69	FLUSH
1 1/2 x 1	A37	37J137211 *	10	0.55	1.68	FLUSH
1 1/2 x 1 1/4	A37	37J137212 *	10	0.42	1.70	FLUSH
2 x 1/2	A37	37J137247 *	5	0.88	1.79	FLUSH
2 x 3/4	A37	37J137248 *	5	0.78	1.81	FLUSH
2 x 1	A37	37J137249 *	5	0.66	1.81	FLUSH
2 x 1 1/4	A37	37J137250 *	5	0.56	1.82	FLUSH
2 x 1 1/2	A37	37J137251 *	5	0.40	1.80	FLUSH
2 1/2 x 1 1/2	A37	37J137291 *	5	0.96	2.43	FLUSH
2 1/2 x 2	A37	37J137292 *	5	0.55	2.13	FLUSH
3 x 1	A37	37J237335 *	5	1.53	2.68	FLUSH
3 x 1 1/2	A37	37J137337 *	5	0.92	2.43	FLUSH
3 x 2	A37	37J137338 *	5	0.87	2.43	FLUSH
3 x 2 1/2	A37	37J137339 *	5	0.39	2.23	FLUSH
4 x 2	A37	37J137420 *	5	1.15	2.72	FLUSH
4 x 3	A37	37J137422 *	5	0.77	2.76	FLUSH
6 x 3	A37	37J137530 *	2	1.79	3.66	FLUSH
6 x 4	A37	37J137532 *	2	1.13	3.66	FLUSH

^ = 40% Restock Charge

* = Non-Cancelable/Non-Returnable

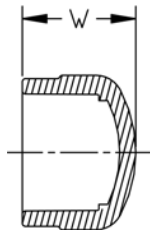
SeaCor™ Schedule 80 Pressure Fittings

Flush Style Reducer Bushing (SPG x FPT)



• Must be purchased in full pack qty

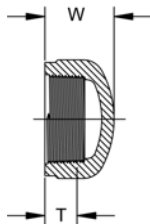
Size [inch]	P/L	Part No.	Pack Qty	L [inch]	T [inch]	Design
3/4 x 1/2	A37	37J138101 *	20	1.28	0.53	FLUSH
1 x 1/2	A37	37J138130 *	15	1.42	0.53	FLUSH
1 x 3/4	A37	37J138131 *	15	1.41	0.55	FLUSH
1 1/4 x 1/2	A37	37J138166 *	10	1.53	0.53	FLUSH
1 1/4 x 3/4	A37	37J138167 *	10	1.56	0.55	FLUSH
1 1/4 x 1	A37	37J138168 *	10	1.55	0.68	FLUSH
1 1/2 x 1/2	A37	37J138209 *	10	1.68	0.53	FLUSH
1 1/2 x 3/4	A37	37J138210 *	10	1.68	0.55	FLUSH
1 1/2 x 1	A37	37J138211 *	10	1.69	0.68	FLUSH
1 1/2 x 1 1/4	A37	37J138212 *	10	1.68	0.71	FLUSH
2 x 1/2	A37	37J138247 *	5	1.80	0.53	FLUSH
2 x 3/4	A37	37J138248 *	5	1.80	0.55	FLUSH
2 x 1	A37	37J138249 *	5	1.79	0.68	FLUSH
2 x 1 1/4	A37	37J138250 *	5	1.78	0.71	FLUSH
2 x 1 1/2	A37	37J138251 *	5	1.79	0.72	FLUSH
2 1/2 x 1 1/2	A37	37J138291 *	5	2.11	0.72	FLUSH
2 1/2 x 2	A37	37J138292 *	5	2.20	0.76	FLUSH
3 x 2	A37	37J138338 *	5	2.44	0.76	FLUSH
4 x 2	A37	37J138420 *	5	2.73	0.76	FLUSH
4 x 3	A37	37J138422 *	5	2.75	0.38	FLUSH



Cap (S)

• Must be purchased in full pack qty

Size [inch]	P/L	Part No.	Pack Qty	W [inch]	Design
1/2	A37	37J147005 *	25	1.29	HS
3/4	A37	37J147007 *	20	1.46	HS
1	A37	37J147010 *	15	1.67	HS
1 1/4	A37	37J147012 *	10	1.88	HS
1 1/2	A37	37J147015 *	10	2.09	HS
2	A37	37J147020 *	5	2.32	HS
2 1/2	A37	37J147025 *	5	2.73	HS
3	A37	37J147030 *	5	3.05	HS
4	A37	37J147040 *	5	3.67	HS
6	A37	37J147060 *	2	4.93	HS

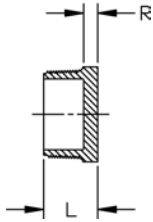


Cap (FPT)

• Must be purchased in full pack qty

Size [inch]	P/L	Part No.	Pack Qty	W [inch]	T [inch]	Design
1/2	A37	37J148005 *	25	1.16	0.53	HS
3/4	A37	37J148007 *	20	1.24	0.55	HS
1	A37	37J148010 *	15	1.50	0.68	HS
1 1/4	A37	37J148012 *	10	1.61	0.71	HS
1 1/2	A37	37J148015 *	10	1.66	0.72	HS
2	A37	37J148020 *	5	1.84	0.76	HS

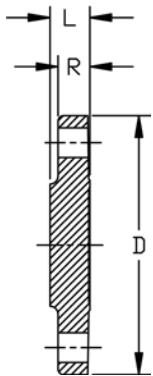
SeaCor™ Schedule 80 Pressure Fittings



Plug (MPT)

- Must be purchased in full pack qty

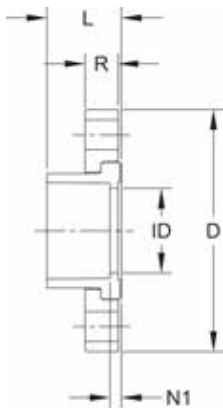
Size [inch]	P/L	Part No.	Pack Qty	L [inch]	R [inch]	Design	
1 1/2	A37	37J150015 *	10	1.38	0.34	HS	
2	A37	37J150020 *	5	1.46	0.40	HS	
3	A37	37J150030 *	5	2.00	0.38	HS	
4	A37	37J150040 *	5	2.15	0.38	HS	
6	A37	37J350060 *	2	2.00	0.75	FAB	



Flange (Blind)

- 150 psi @ 73°F (10.3 bar @ 22.7°C)
- Must be purchased in full pack qty

Size [inch]	P/L	Part No.	Pack Qty	# holes	Bolt Dia. [inch]	bolt cir. dia. [inch]	D [inch]	L [inch]	R [inch]	
1/2	A37	37J153005 *	5	4	1/2	2.38	3.50	0.50	0.43	
3/4	A37	37J153007 *	5	4	1/2	2.75	3.88	0.50	0.44	
1	A37	37J153010 *	5	4	1/2	3.13	4.25	0.60	0.57	
1 1/4	A37	37J153012 *	5	4	1/2	3.50	4.63	0.63	0.56	
1 1/2	A37	37J153015 *	5	4	1/2	3.88	5.00	0.82	0.71	
2	A37	37J153020 *	5	4	5/8	4.75	6.00	0.92	0.74	
2 1/2	A37	37J153025 *	5	4	5/8	5.50	7.00	0.96	0.78	
3	A37	37J153030 *	5	4	5/8	6.00	7.50	1.03	0.89	
4	A37	37J153040 *	5	8	5/8	7.50	9.00	1.35	1.12	
6	A37	37J153060 *	2	8	3/4	9.50	11.00	1.49	1.27	



Flange - Van Stone (S)

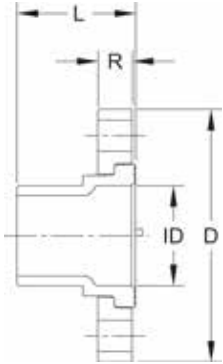
- 150 psi @ 73°F (10.3 bar @ 22.7°C)
- Must be purchased in full pack qty

Size [inch]	P/L	Part No.	Pack Qty	# holes	Bolt Dia. [inch]	bolt cir. dia. [inch]	D [inch]	L [inch]	N1 [inch]	R [inch]	ID [inch]	
1/2	A37	37J154005 *	5	4	1/2	2.38	3.50	1.03	0.11	0.57	0.63	
3/4	A37	37J154007 *	5	4	1/2	2.75	3.88	1.15	0.13	0.58	0.84	
1	A37	37J154010 *	5	4	1/2	3.13	4.25	1.38	0.11	0.66	1.06	
1 1/4	A37	37J154012 *	5	4	1/2	3.50	4.63	1.45	0.14	0.69	1.40	
1 1/2	A37	37J154015 *	5	4	1/2	3.88	5.00	1.59	0.15	0.76	1.61	
2	A37	37J154020 *	5	4	5/8	4.75	6.00	1.76	0.20	0.82	2.10	
2 1/2	A37	37J154025 *	5	4	5/8	5.50	7.00	2.05	0.22	0.98	2.50	
3	A37	37J154030 *	5	4	5/8	6.00	7.50	2.25	0.30	1.02	3.11	
4	A37	37J154040 *	5	8	5/8	7.50	9.00	2.65	0.34	1.11	4.07	
6	A37	37J154060 *	2	8	3/4	9.50	11.00	3.59	0.48	1.27	6.13	

^ = 40% Restock Charge

* = Non-Cancelable/Non-Returnable

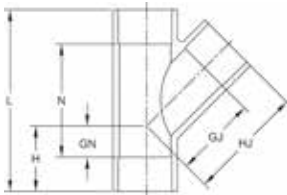
SeaCor™ Schedule 80 Pressure Fittings



Flange - Van Stone (SPG)

- 150 psi @ 73°F (10.3 bar @ 22.7°C)
- Must be purchased in full pack qty

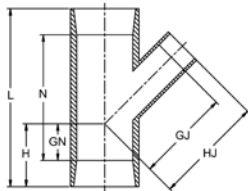
Size [inch]	P/L	Part No.	Pack Qty	# holes	Bolt Dia. [inch]	bolt cir. dia. [inch]	D [inch]	L [inch]	R [inch]	ID [inch]	
1/2	A37	37J156005 *	5	4	1/4	2.38	3.50	1.65	0.57	0.84	
3/4	A37	37J156007 *	5	4	1/4	2.75	3.88	1.78	0.58	1.05	
1	A37	37J156010 *	5	4	1/4	3.13	4.25	2.02	0.66	1.32	
1 1/4	A37	37J156012 *	5	4	1/4	3.50	4.63	2.20	0.69	1.66	
1 1/2	A37	37J156015 *	5	4	1/4	3.88	5.00	2.40	0.76	1.90	
2	A37	37J156020 *	5	4	5/16	4.75	6.00	2.72	0.82	2.37	
2 1/2	A37	37J156025 *	5	4	5/16	5.50	7.00	3.19	0.98	2.87	
3	A37	37J156030 *	5	4	5/16	6.00	7.50	3.52	1.02	3.50	
4	A37	37J156040 *	5	8	5/8	7.50	9.00	4.02	1.11	4.50	
6	A37	37J156060 *	2	8	3/4	9.50	11.00	5.09	1.37	6.62	



45° Wye (S x S x S)

- 1-1/2" - 2" 235 psi @ 73°F (16.2 bar @ 22.7°C)
- 3" - 6" 150 psi @ 73°F (10.3 bar @ 22.7°C)
- Must be purchased in full pack qty

Size [inch]	P/L	Part No.	Pack Qty	GJ [inch]	GN [inch]	H [inch]	HJ [inch]	L [inch]	N [inch]	
1 1/2	A37	37J170015 *	4	2.88	1.12	2.51	4.26	6.77	4.00	
2	A37	37J170020 *	4	3.61	1.38	2.89	5.16	8.05	5.00	
3	A37	37J170030 *	4	5.00	1.66	3.55	6.88	10.46	6.63	
4	A37	37J170040 *	4	6.38	1.84	4.20	8.75	12.96	8.25	
6	A37	37J170060 *	2	8.50	1.81	4.86	11.59	16.50	10.39	

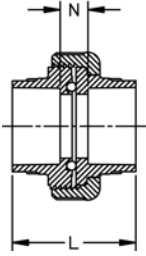


Reducing 45° Wye (S x S x S)

- 2" 235 psi @ 73°F (16.2 bar @ 22.7°C)
- 3" - 6" 150 psi @ 73°F (10.3 bar @ 22.7°C)
- Must be purchased in full pack qty

Size [inch]	P/L	Part No.	Pack Qty	GJ [inch]	GN [inch]	H [inch]	HJ [inch]	L [inch]	N [inch]	Design	
2 x 1 1/2	A37	37J270251 *	4	4.03	1.38	2.88	5.43	8.02	5.00	BUSH	
3 x 1 1/2	A37	37J270337 *	4	5.92	1.87	3.77	7.43	10.46	6.65	BUSH	
3 x 2	A37	37J270338 *	4	5.87	1.87	3.77	7.43	10.46	6.65	BUSH	
4 x 2	A37	37J270420 *	4	7.53	1.88	4.20	9.10	12.91	8.25	BUSH	
4 x 3	A37	37J270422 *	4	7.15	1.88	4.20	9.14	12.91	8.25	BUSH	
6 x 3	A37	37J270530 *	2	9.95	1.87	4.91	12.09	16.50	10.39	BUSH	
6 x 4	A37	37J170532 *	2	7.18	1.87	4.91	9.45	16.50	10.39	HS	

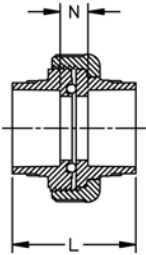
SeaCor™ Schedule 80 Pressure Fittings



Union Type 375 (SxS)

- 235 psi @ 73°F (16.2 bar @ 22.7°C)
- Must be purchased in full pack qty

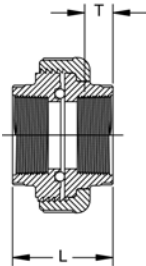
Size [inch]	P/L	EPDM Part No.	FPM Part No.	Pack Qty	L [inch]	N [inch]	
½	A37	37J195005 *	37J159005 *	25	2.58	0.80	
¾	A37	37J195007 *	37J159007 *	10	2.82	0.82	
1	A37	37J195010 *	37J159010 *	5	3.14	0.88	
1 ¼	A37	37J195012 *	37J159012 *	5	3.49	0.99	
1 ½	A37	37J195015 *	37J159015 *	5	3.70	0.95	
2	A37	37J195020 *	37J159020 *	2	4.11	1.11	



Union (SxS)

- 150 psi @ 73°F (10.3 bar @ 22.7°C)
- Must be purchased in full pack qty

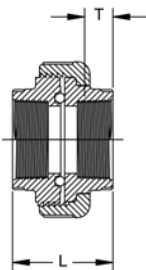
Size [inch]	P/L	EPDM Part No.	FPM Part No.	Pack Qty	L [inch]	N [inch]	
3	A37	37J197030 *	37J157030 *	2	4.75	0.99	
4	A37	37J197040 *	37J157040 *	2	5.72	1.14	



Union Type 375 (FPTxFPT)

- 235 psi @ 73°F (16.2 bar @ 22.7°C)
- Must be purchased in full pack qty

Size [inch]	P/L	EPDM Part No.	FPM Part No.	Pack Qty	L [inch]	T [inch]	
½	A37	37J196005 *	37J160005 *	25	2.03	0.53	
1	A37	37J196007 *	37J160007 *	10	2.11	0.55	
¾	A37	37J196010 *	37J160010 *	5	2.56	0.68	
1 ¼	A37	37J196012 *	37J160012 *	5	2.79	0.71	
1 ½	A37	37J196015 *	37J160015 *	5	2.72	0.72	
2	A37	37J196020 *	37J160020 *	2	2.89	0.76	



Union (FPTxFPT)

- 150 psi @ 73°F (10.3 bar @ 22.7°C)
- Must be purchased in full pack qty

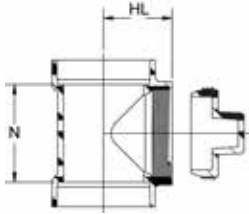
Size [inch]	P/L	EPDM Part No.	FPM Part No.	Pack Qty	L [inch]	T [inch]	
3	A37	37J198030 *	37J158030 *	2	4.69	1.20	
4	A37	37J198040 *	37J158040 *	2	5.62	1.30	

^ = 40% Restock Charge

* = Non-Cancelable/Non-Returnable

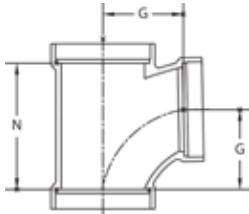
SeaCor™ Schedule 80 DWV Fittings

Cleanout Tee with Plug (SxSxFPT)



- Must be purchased in full pack qty

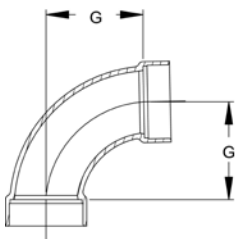
Size [inch]	P/L	Part No.	Pack Qty	HL [inch]	N [inch]	
1 1/2	A37	37J461101 *	2	2.07	1.80	
2	A37	37J461102 *	2	2.35	2.32	
3	A37	37J461103 *	2	3.51	3.63	
4	A37	37J461104 *	2	4.07	4.25	



Sanitary Tee (SxSxS)

- Must be purchased in full pack qty

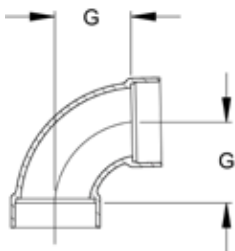
Size [inch]	P/L	Part No.	Pack Qty	G [inch]	N [inch]	
1 1/2	A37	37J461501 *	5	1.75	2.75	
2	A37	37J461502 *	5	2.31	3.69	
3	A37	37J461503 *	5	3.06	4.88	
4	A37	37J461504 *	5	3.88	6.13	



1/4 Bend Long Sweep (SxS) - FAB

- Special Order Only. Must be purchased in full pack qty.

Size [inch]	P/L	Part No.	Pack Qty	G [inch]	
1 1/2	A37	37J462701 *	4	4.13	
2	A37	37J462702 *	4	4.75	
3	A37	37J462703 *	1	7.00	
4	A37	37J462704 *	1	9.00	



1/4 Bend Short Sweep (SxS)

- Must be purchased in full pack qty

Size [inch]	P/L	Part No.	Pack Qty	
1 1/2	A37	37J482501 *	4	
2	A37	37J482502 *	4	
3	A37	37J482503 *	1	
4	A37	37J482504 *	1	



SeaCor™ Metal Transition Fittings

Metal Union End Connectors Type 375 (316 SS)

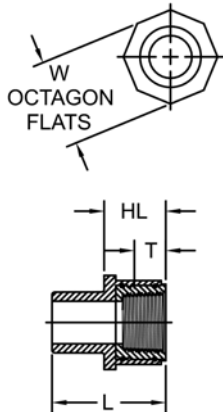


150 psi @ 73°F (10.3 bar @ 22.7°C)

Union Sold Separately

- Must be purchased in full pack qty

Size [inch]	P/L	Part No.	Pack Qty	
1/2	A37	37J179005 *	1	
3/4	A37	37J179007 *	1	
1	A37	37J179010 *	1	
1 1/4	A37	37J179012 *	1	
1 1/2	A37	37J179015 *	1	
2	A37	37J179020 *	1	



SeaCor-to-316 SS Transition Fittings (SPG x FPT)

• 150 psi @ 73°F (10.3 bar @ 22.7°C)

- Must be purchased in full pack qty

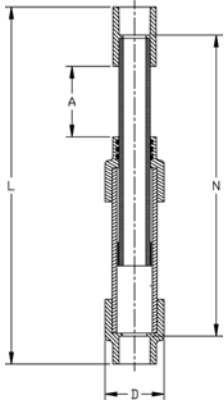
Size [inch]	P/L	Part No.	Pack Qty	HL [inch]	L [inch]	T [inch]	W [inch]	
1/2	A37	37J178005 *	25	1.02	1.76	0.53	1.25	
3/4	A37	37J178007 *	10	1.09	2.08	0.55	1.50	
1	A37	37J178010 *	15	1.33	2.45	0.68	1.88	
1 1/4	A37	37J178012 *	10	1.39	2.51	0.71	2.25	
1 1/2	A37	37J178015 *	10	1.45	2.76	0.72	2.56	
2	A37	37J178020 *	5	1.44	2.82	0.76	3.31	

^ = 40% Restock Charge

* = Non-Cancelable/Non-Returnable

SeaCor™ Expansion Joints

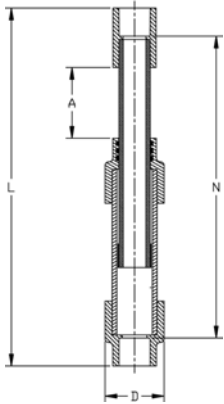
Expansion Joint 6" Travel (S x S)



- 1-1/2" - 2" 235 psi @ 73°F (16.2 bar @ 22.7°C)
- 3" - 6" 150 psi @ 73°F (10.3 bar @ 22.7°C)
- Must be purchased in full pack qty

Size [inch]	P/L	EPDM Part No.	Pack Qty	A [inch]	D [inch]	L [inch]	N [inch]	
1/2	A37	37J126005 *	1	3.00	1.85	13.93	12.06	
3/4	A37	37J126007 *	1	3.00	2.23	14.40	12.46	
1	A37	37J126010 *	1	3.00	2.50	15.02	12.58	
1 1/4	A37	37J126012 *	1	3.00	2.50	15.81	13.05	
1 1/2	A37	37J126015 *	1	3.00	3.50	16.08	13.13	
2	A37	37J126020 *	1	3.00	4.39	18.10	14.88	
3	A37	37J126030 *	1	3.00	5.53	19.83	15.79	
4	A37	37J126040 *	1	3.00	7.93	27.56	23.01	
6	A37	37J126060 *	1	3.00	9.97	27.88	21.75	

Expansion Joint 12" Travel (S x S)



- 1-1/2" - 2" 235 psi @ 73°F (16.2 bar @ 22.7°C)
- 3" - 6" 150 psi @ 73°F (10.3 bar @ 22.7°C)
- Must be purchased in full pack qty

Size [inch]	P/L	EPDM Part No.	Pack Qty	A [inch]	D [inch]	L [inch]	N [inch]	
1/2	A37	37J125005 *	1	6.00	1.85	22.93	21.06	
3/4	A37	37J125007 *	1	6.00	2.23	23.40	21.46	
1	A37	37J125010 *	1	6.00	2.50	24.02	21.58	
1 1/4	A37	37J125012 *	1	6.00	2.50	24.81	22.05	
1 1/2	A37	37J125015 *	1	6.00	3.50	25.08	22.13	
2	A37	37J125020 *	1	6.00	4.39	27.10	23.88	
3	A37	37J125030 *	1	6.00	5.53	28.83	24.79	
4	A37	37J125040 *	1	6.00	7.93	36.56	32.01	
6	A37	37J125060 *	1	6.00	9.97	36.88	30.75	

SeaCor™ Joining Accessories

Purple Primer w/Optical Brightner



- Must be purchased in full pack qty

Size	P/L	Part No.	Pack Qty	
Quart	607	37X004205 *	4	

Gray Cement w/Optical Brightner



- Must be purchased in full pack qty

Size	P/L	Part No.	Pack Qty	
Quart	607	37X004111 *	4	



SeaCor Installation Accessories

W&O recommends the use of accessories specifically designed for use on plastic piping systems. These accessories will increase production efficiency and conform to the required installation process to minimize the possibility of an incorrect installation solvent weld connection.

SeaCor Primer and Cement

Seacor Primer and Cement ARE REQUIRED to install the Seacor System; these are specially formulated and include special fluorescent properties that let the inspectors check that the proper joining products were used in the installation process.

PART #	DESCRIPTION
814CEMENT.QT	SeaCor Cement Quart with Dauber Cap
814PRIMER.QT	SeaCor Primer Quart with Dauber Cap

SeaCor Primer and Cement is available in standard quart size brush-top metal cans.



Applicators

The use of the correct size primer / cement applicator is crucial to ensuring the proper amount of product is applied to the pipe and fittings. The correct applicator is sized by the pipe sizes being joined.

SeaCor Primer and Cement come standard in quart cans and include a can top dauber for 1-1/2"-3" pipe size*.

PART #	DESCRIPTION
814DAUBER.100	1/2"-3/4" SeaCor Cap Dauber Qt. Can
814DAUBER.200	3/4"-1-1/2" SeaCor Cap Dauber Qt. Can
814DAUBER.300	1-1/2"-3" SeaCor Cap Dauber Qt. Can *
814DAUBER.500	3"-6" SeaCor Cap Swab Qt. Can



Cap Dauber



Cap Swab

Pipe Cutters and Deburring/Chamfer Tool

Wheel type cutters are recommended for the SeaCor system to help ensure a clean pipe cut. Other types of cutters can be used, but may increase the pipe preparation time. Deburring tools are used not only to clean the pipe cut, but also chamfer the pipe to allow the cement to flow properly in the joint as the final pressing is done.

PART #	DESCRIPTION
814CHAMFER.100	SeaCor Deburring-Chamfer Tool 1/2"-1"
814CHAMFER.250	SeaCor Deburring-Chamfer Tool 1-1/4"-4"
814CUT.100	SeaCor Quick Release Cutting Tool 1-1/2"-4"
814CUT.300	SeaCor Quick Release Cutting Tool 1/2"-2-1/2"
814CHAMFERBLADES.100	Deburring-Chamfer Tool Spare Blades 1/2"-1" (814CHAMFER.100)
814CHAMFERBLADES.250	Deburring-Chamfer Tool Spare Blades 1-1/4"-4" (814CHAMFER.250)
814PIPECUTTERWHEEL.300	Cutting Tool 1-1/2"-4" Spare Wheel (814CUT.300)
814PIPECUTTERWHEEL.100	Cutting Tool 1/2"-2-1/2" Spare Wheel (814CUT.100)



1/2-2-1/2" Quick Cutter



1-1/2-4" Quick Cutter



1/2-1" Deburring Tool



1-1/4-4" Deburring Tool

Carrier/Tote

Carrying primer and cement is fast and easy with this Can-Tote. Don't let your primer dry while you are looking for the cement can. The primer and cement are kept together and in easy reach with this carrier.

PART #	DESCRIPTION
814CARRIER.QT	Can-Tote Cement-Primer Carrier





Seacor Installation Kits

Seacor Installation kits offer the required components for successful Seacor assembly. The kits comprise of cutters, applicators, chamfer tools and carriers required by the pipe size range.

SEACOR INSTALLATION KIT 1/2"-1" PIPE SIZE, Includes:

#	ITEM
4	1/2"-3/4" SeaCor Cap Dauber Qt. Can
4	3/4"-1-1/2" SeaCor Cap Dauber Qt. Can
1	SeaCor Deburring-Chamfer Tool 1/2"-1"
1	Deburring-Chamfer Tool Spare Blades 1/2"-1"
1	SeaCor Quick release Cutting Tool 1/2"-2-1/2"
1	Cutting Tool 1/2"-2-1/2" Replacement Wheel
1	Can-Tote Cement Primer Carrier



SEACOR INSTALLATION KIT 1-1/4"-2-1/2" PIPE SIZE, Includes:

#	ITEM
4	3/4"-1-1/2" SeaCor Cap Dauber Qt. Can
4	1-1/2"-3" SeaCor Cap Dauber Qt. Can
1	SeaCor Deburring-Chamfer Tool 1-1/4"-4"
1	Deburring-Chamfer Tool Spare Blades 1-1/4"-4"
1	SeaCor Quick release Cutting Tool 1-1/2"-4"
2	Cutting Tool 1-1/2"-4" Replacement Wheel
2	Can-Tote Cement Primer Carrier

SEACOR INSTALLATION KIT 3"-4" PIPE SIZE, Includes:

#	ITEM
2	3"-6" SeaCor Cap Swab Qt. Can
1	Seacor Deburring-Chamfer Tool 1-1/4"-4"
1	Deburring-Chamfer Tool Spare Blades 1-1/4"-4"
1	SeaCor Quick release Cutting Tool 1-1/2"-4"
2	Cutting Tool 1-1/2"-4" Replacement Wheel
2	Can-Tote Cement Primer Carrier

Seacor System Applications

SeaCor System Applications per ABS SVR 4-6-4 Fire Endurance Matrix Table 1

Piping System	Allowable Usage
Inert Gas Scrubber Effluent Lines	Inert Gas Water Seal Discharge on Deck
Non-Essential Seawater Systems	Salt Water Washdown - All Locations
Ballast Seawater	Ballast Lines in Ballast Tanks, Cofferdams, Void Spaces & Pipe Tunnels
Non-Essential Freshwater Systems	Potable Water Distribution Hot & Cold in Machinery Spaces
	Potable Water Distribution Hot & Cold in Accommodation Spaces
	Grey Water System - All Locations
	Blackwater System - All Locations
	Freshwater Washdown - All Locations
	Technical Water - All Locations
Condensate Return	RO/RO & Dry Cargo Holds, Accommodation, Voids & Pipe Tunnels
Internal Deck Drains	Located in Void Spaces, Pipe Tunnels, Accommodations, Open Decks
Internal Sanitary Drains	Sanitary & Galley Drains in All Spaces (except cargo pump room and cargo tanks)
Overboard Scupper & Discharges	Ro/Ro Decks & Open Decks (must have remote closure on overboard skin valves)
Water Tank & Dry Tank Vents and Sounding Pipes	All Locations
Chemical Injection Systems	All Machinery Spaces
Brine	Evaporator & R/O Unit Brine Discharge (in machinery spaces)
Sewage Treatment and Transfer	All Locations

Since 1975, W&O has served a variety of worldwide customers in the marine and upstream oil and gas industries. We continuously strive to be an integral part of your supply chain by providing value added consultancy, engineering and project management services.

Let W&O assist you with your plastic piping needs. To find out more information about SeaCor and other W&O products:

- Contact your nearest W&O branch (locations on back)
- Email Seacor@wosupply.com
- Visit the W&O website at www.wosupply.com



CHOOSE W&O.

- We are there when you need us.
- North American footprint – 16 strategically located branches.
- 40 years as a reputable partner.
- Over \$45 Million in inventory.
- Automation experts with in-house design and fabrication.
- We represent top brands with the required certifications and registrations.
- Largest North American distributor of pipe, valves, fittings, and automation.
- Valve Services – ship checks and Engineered Solutions troubleshooting.
- Delivering new technologies and monitoring regulations to better serve our customers.
- Part of Pon, an \$8 Billion International Sales & Service Company.

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