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**SPECS &
INFORMATION**

UNI-FLEX S Ø 19 - 172 MM | PN25/16

Steel materials Components	W5 (standard)	W4 (on request)	W2 (on request)	
Casing	1.4571 / 316 Ti	1.4301 / 304	1.4016 / 301	
Bolts	A4-80 / 316 Ti	A4-80 / 316 Ti	A4-80 / 316 Ti	
Bars	1.4571 / 316 Ti	1.4301 / 304	1.0760 / 1141	
Strip Insert (Optional)	1.4571 (316 Ti)	1.4571 (316 Ti)	1.4571 (316 Ti)	

Sealing Sleeve Application	EPDM	NBR	Viton (on request)	Silicone (on request)
Temperature range	-30°C up to +125°C	-20°C up to +80°C	-20°C up to +180°C	
Medium	all qualities of water, waste water, air, solids and chemical products	water, gas, oil, fuel and other hydrocarbons	ozone, oxygen, acids, gas, oil and fuel (only with strip insert)	

Important remarks:

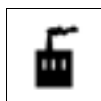
- + Follow fitting/disassembly instructions
- + The pressure values are valid for radial rigid carbon steel pipes with a minimal wall thickness under static loads
- + For metric to imperial conversion table see page 28
- + Strip inserts are required for special applications
- + Free from paint wetting disruptive substances

Use insert stiffeners for installation on PE, PVC, PP or PB pipes! (page 116 & 117)



Technical details are subject to change. Typing errors may occur.

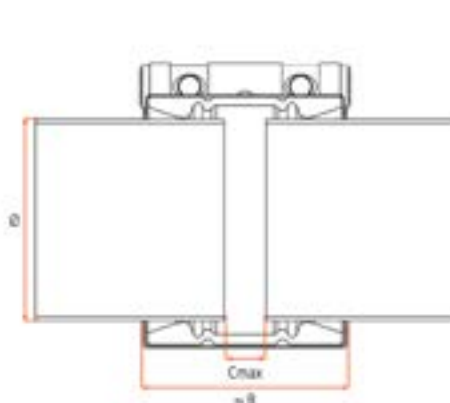
Pressure indication:



= Working pressure for industrial and land-based applications with 1.5x safety factor in bars



= Working pressure for marine applications with 4x safety factor in bars





Article Nr.	OD Ø min.	OD Ø max.	OD Ø Nominal	Pressure		Coupling dimensions not fitted					Torque rate (Nm)	Weight ≈ kg/pcs.	Packing quantity
				PN	PN	≈ B	Cmax	≈ d	≈ H	M			
1-S-F-W5-*-19-21	19	21	20	25	16	45	10	42	69	M6	3	0.20	10
1-S-F-W5-*-21-24	21	24	21.3/21.6	25	16	45	10	46	76	M6	3	0.20	10
1-S-F-W5-*-25-29	25	29	26.9/28	25	16	45	10	46	76	M6	3	0.20	10
1-S-F-W5-*-29-32	29	32	30	25	16	45	10	54	84	M6	3	0.20	10
1-S-F-W5-*-33-36	33	36	33.7/35	25	16	45	10	54	84	M6	3	0.20	10
1-S-F-W5-*-36-39	36	39	38	25	16	60	15	66	104	M8	5	0.40	10
1-S-F-W5-*-39-43	39	43	42.4	25	16	60	15	66	104	M8	5	0.40	10
1-S-F-W5-*-43-47,5	43	47.5	44.5	25	16	60	15	74	112	M8	5	0.40	10
1-S-F-W5-*-47,5-52,5	47.5	52.5	48.3	25	16	60	15	74	112	M8	5	0.40	10
1-S-F-W5-*-52,5-58	52.5	58	54/57	25	16	75	25	85	125	M8	5	0.60	10
1-S-F-W5-*-58-64	58	64	60.3/63	25	16	75	25	85	125	M8	5	0.60	10
1-S-F-W5-*-64-72	64	72	66.6/68/69/70	25	16	95	30	108	164	M10	10	1.00	10
1-S-F-W5-*-72-80	72	80	73/76.1/79.5	25	16	95	30	108	164	M10	10	1.00	10
1-S-F-W5-*-80-88	80	88	84	25	16	95	30	124	170	M10	10	1.00	10
1-S-F-W5-*-88-96	88	96	88.9	25	16	95	30	124	170	M10	10	1.00	10
1-S-F-W5-*-97-105	97	105	98/100.6/101.6/104	25	16	95	30	141	187	M10	10	1.10	10
1-S-F-W5-*-104-112	104	112	104.8/108/110	25	16	95	30	141	187	M10	10	1.10	10
1-S-F-W5-*-112-120	112	120	114.3/118	25	16	95	30	158	202	M10	12.5	1.20	10
1-S-F-W5-*-122-130	122	130	125/127/129	25	16	95	30	158	202	M10	12.5	1.20	10
1-S-F-W5-*-129-137	129	137	130.2/131/133	25	16	110	40	178	230	M12	20	2.10	5
1-S-F-W5-*-137-145	137	145	139.7/141.3/141.6	25	16	110	40	186	238	M12	25	2.20	5
1-S-F-W5-*-149-157	149	157	154/155	25	16	110	40	197	249	M12	30	2.30	5
1-S-F-W5-*-157-165	157	165	159	25	16	110	40	205	255	M12	30	2.30	5
1-S-F-W5-*-164-172	164	172	165/168.3	25	16	110	40	212	262	M12	30	2.40	5

*Article Nr.: E for EPDM and N for NBR.



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				PN	PN	≈ B	Cmax	≈ d	≈ H	M			
2-S-F-B-W5*-185-198	185	198	185/187/190/191/193,7/195/196/197	25	16	140	40	236	262	M12	30	5.04	1
2-S-F-B-W5*-198-211	198	211	200/202/203/204/205/206/208/210	25	16	140	40	249	275	M12	30	5.19	1
2-S-F-B-W5*-210-223	210	223	211/212/215/216/217/219,1/220/222	25	16	140	40	261	287	M12	30	5.34	1
2-S-F-B-W5*-221-234	221	234	224/225/226/228/229/230/232/234	25	16	140	40	272	298	M12	30	5.47	1
2-S-F-B-W5*-234-247	234	247	236/238/240/241/242/244/244,5/246	25	16	140	40	285	311	M12	30	5.63	1
2-S-F-B-W5*-247-260	247	260	248/249/250/252/254/255/256/257/259	25	16	140	40	298	324	M12	30	5.79	1
2-S-F-B-W5*-263-276	263	276	264/268/267/271/272/273,1/274/275	25	16	140	40	314	340	M12	30	5.98	1
2-S-F-C-W5*-277-290	277	290	278/280/284/286/287/288/289	25	16	142	40	328	354	M16	30	7.58	1
2-S-F-C-W5*-288-301	288	301	290/292/295/296/298/300	25	16	142	40	339	365	M16	30	7.76	1
2-S-F-C-W5*-301-314	301	314	304/305/306/308/310/311/313	25	16	142	40	352	378	M16	30	7.97	1
2-S-F-C-W5*-315-328	315	328	315/316/318/320/321/323,9/326/327	25	16	142	40	366	392	M16	30	8.19	1
2-S-F-C-W5*-327-340	327	340	330/333,8/334/336/337/339	25	16	142	40	378	404	M16	50	8.39	1
2-S-F-C-W5*-340-353	340	353	340/342/343/345/346/348/350/352	25	16	142	40	391	417	M16	50	8.60	1
2-S-F-C-W5*-350-363	350	363	352/353/354/355/355,6/356/358/360/362	25	16	142	40	401	427	M16	50	8.76	1
2-S-F-G-W5*-361-374	361	374	367/368/372	25	16	146	40	412	438	M16	50	12.61	1
2-S-F-G-W5*-374-387	374	387	376/378/380/382/384/385/386	25	16	146	40	425	451	M16	50	12.94	1
2-S-F-G-W5*-387-400	387	400	388/392/394/395/396/398/399	25	16	146	40	438	464	M16	50	13.26	1
2-S-F-G-W5*-400-413	400	413	400/403/404/405/406/406,4/408/410/412	25	16	146	40	451	477	M16	50	13.59	1
2-S-F-G-W5*-412-425	412	425	419/420/421	25	16	146	40	463	489	M16	50	13.89	1
2-S-F-G-W5*-422-435	422	435	426/427/428/429/430/432/433/434	25	16	146	40	473	499	M16	50	14.14	1
2-S-F-G-W5*-438-451	438	451	439/440/441/442/444/448/450	25	16	146	40	489	515	M16	50	14.54	1
2-S-F-G-W5*-451-464	451	464	452/453/454/456/457,2/459/460/463	25	16	146	40	502	528	M16	50	14.87	1
2-S-F-G-W5*-460-473	460	473	464/468/470	25	16	146	40	511	537	M16	50	15.09	1
2-S-F-G-W5*-476-489	476	489	478/480/486/488	25	16	146	40	527	553	M16	50	15.49	1
2-S-F-G-W5*-488-501	488	501	490/492/494/496/498/500	25	16	146	40	539	565	M16	50	15.80	1
2-S-F-G-W5*-503-516	503	516	504/506/507/508/510/512/514/515	25	16	146	40	554	580	M16	50	16.17	1
2-S-F-G-W5*-520-533	520	533	520/521/524/526/530/532	25	16	146	40	575	603	M16	60	16.60	1
2-S-F-G-W5*-531-544	531	544	537/538/540/542/543	25	16	146	40	586	614	M16	60	16.87	1
2-S-F-G-W5*-546-559	546	559	546/548/549/550/558	25	16	146	40	601	629	M16	60	17.25	1
2-S-F-G-W5*-557-570	557	570	559/560/564/568	25	16	146	40	612	640	M16	60	17.53	1
2-S-F-G-W5*-571-584	571	584	571/572/574/576/582/583	25	16	146	40	626	654	M16	60	17.88	1
2-S-F-G-W5*-600-613	600	613	600/605/606/609,6/610/612	25	16	146	40	655	683	M16	60	18.60	1
2-S-F-G-W5*-610-623	610	623	613,7/620/622	25	16	146	40	665	693	M16	70	18.85	1
2-S-F-G-W5*-628-641	628	641	630/632/633/634/635/640	25	16	146	40	683	711	M16	70	19.31	1
2-S-F-G-W5*-648-661	648	661	650/651/654/655/658/659/660	25	16	146	40	703	731	M16	70	19.81	1
2-S-F-G-W5*-676-689	676	689	676/677/678/680/686/688	25	16	146	40	731	759	M16	70	20.51	1
2-S-F-G-W5*-688-701	688	701	690/691/698/700	25	16	146	40	743	771	M16	70	20.81	1
2-S-F-G-W5*-700-713	700	713	702,6/705/710/711,2	25	16	146	40	755	783	M16	70	21.11	1
2-S-F-G-W5*-717-730	717	730	718/720/726/729	25	16	146	40	772	800	M16	70	21.54	1
2-S-F-G-W5*-732-745	732	745	734/735/738/743/744	25	16	146	40	787	815	M16	70	21.91	1

*Article Nr.: E for EPDM, N for NBR and V for Viton.



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				PN	PN	≈ B	Cmax	≈ d	≈ H	M			
2-S2-F-G-W5-*-756-782	756	782	760/761/762/768/769/770/773/780	25	16	146	40	824	852	M16	70	26.08	1
2-S2-F-G-W5-*-782-808	782	808	784/786/790/798/800/801/806	25	16	146	40	850	878	M16	70	26.73	1
2-S2-F-G-W5-*-806-832	806	832	807,2/808/812,8/820/822/824/826/830	25	16	146	40	874	902	M16	70	27.33	1
2-S2-F-G-W5-*-828-854	828	854	832/840/842/848/852	25	16	146	40	896	924	M16	80	27.88	1
2-S2-F-G-W5-*-856-882	856	882	859,5/864/868/869/879/880	25	16	146	40	924	952	M16	80	28.58	1
2-S2-F-G-W5-*-882-908	882	908	886/891/896/900/903/905,8	25	16	146	40	950	978	M16	80	29.23	1
2-S2-F-G-W5-*-904-930	904	930	912,4/914,4/915/920/924/927/928	25	16	146	40	972	1000	M16	80	29.79	1

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