

PVC.Pres.glued fittings.
PVC.Pres.glued-thread fittings.
NETVITC® Flange-coupling.
Flanges and Adaptors.
Clamp saddles.
GFRP. Hinged sleeves.
P.P. Threaded fittings.
P.P. Fittings.
Butterfly valves.
B.V. NETVITC SYSTEM®
Ball valves.
SYSTEM® Check valves.
NETWELL® Aspiration valves
Lineal check valve.
Check (non return)
valve with spring.
Drip irrigation.
Micro-irrigat. fittings.
Filter.
Fluids display socket.
PVC. Glue and cleaner.

Clamp saddles

Family **03**

We serve 232 different sized outlets up to 200mm.

Hidroten, S.A. offers to the market one of the most complete ranges in clamp saddles, both in measurement and variety with single or double outlets and with or without reinforcement.

And with our hinged system up to 315 mm.



Ø25/200
1/2"-4"
P.P.G.F.



Acces. presión encolar, PVC
Acces. presión mixtos PVC
Bridas y enlaces NETVITC®
Bridas y Portabridas
Collarines toma
Collarines bisagra. PPFV
Accesorios roscados, P.P.
Acc. para tubos de polietileno
Acc. latón para tubos de polietileno
Válv. mariposa.
Válvulas de bola
Válv. de retención SYSTEM®
Válv. aspiración NETWELL®
Válv. de retención lineal.SYSTEM/NETVITC®
Válvula antiretorno de enlace
Goteros
Acces.microirrigación
Filtros
Visor de líquidos
Adhesivo PVC

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Filter.
Fluids display socket
PVC. Glue and cleaner

**NETWELL
SYSTEM**

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HIDROTEN,S.A. EMPRESA COLABORADORA EN LA PROTECCIÓN DEL MEDIO AMBIENTE.
HIDROTEN,S.A. COLLABORATES IN THE PROTECTION OF THE ENVIRONMENT

Acc. Pression à coller, PVC
Acc. Pression mixtes PVC
Brides et unions NETVITC®
Brides et porte brides
Colliers de prise
Colliers charnière, PPFV
Accessoires filetés, P.P.
Acces. pour tuyauteries P.E.
Vanne de retenue linéal.
Vannes de retenue SYSTEM®
Vannes de aspiration NETWELL®
Robinets spheriques
Vannes à papillon.
Goutte à goutte
Acc. Micro irrigation
Filtres

Hidroten

Sistemas y Tecnología del agua/Water System Technology



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Clamp saddles

Technical features and uses

- 1.- The range of clamp saddles, have a big variety in different outlets.
- 2.- Our range of clamp saddles can be used either in P.E. and P.V.C. Pipes.
- 3.- If a metal thread fitting is used a reinforced outlet is necessary.
- 4.- For threaded outlets the use of teflon tape is advised.
- 5.- For threaded outlet use only fittings with standard dimensions.
- 6.- The behaviour of the clamp saddle under heat is identical to that of polyethylene pipes.
- 7.- We recommend that the installation is tested before burial.

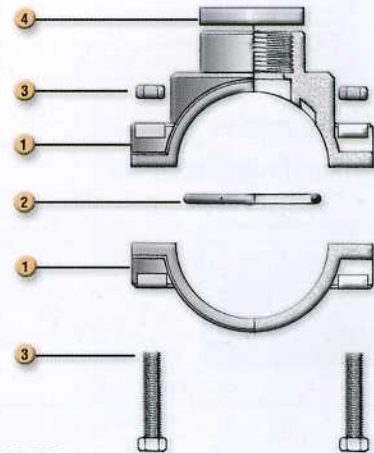
Working temperature	Working nominal diameter of pipe		
	25 to 63 mm. PN bar	75 to 160 mm. PN bar	200 mm. PN bar
-20 to 20°C	10	6	6
-20 to 40°C	6,5	4	4
-40 to 80°C	2,5	-	-

Pressure:

Ø 25 to 63	PN = 16 bar.	232 psi
Ø 75 to 160	PN = 10 bar.	145 psi
Ø 200	PN = 6 bar.	87 psi

Guidelines:

- Dimensions and markings for assembly are adequate for use in polyethylene or P.V.C. Pipes, when these are made in compliance to Norms, UNE-EN-1452 (PVC) or UNE 53131 (PE).
- The threaded zones are manufactured according to Norm UNE 19009.



Materials:

1. - Body in PPGF.
- 2.- O- ring in NBR or VITON.
- 3.- Bolts in Bichromated Iron or Inox (A2).
- 4.- Reinforced outlet in Bichromated Iron or Inox (A2).

Assembly



1. Use a clamp saddle as a template to mark the hole.
2. Use a appropriate tool to make the hole.
3. Clean away any shaving and place the O ring in position, align the outlet with the hole and screw in place.

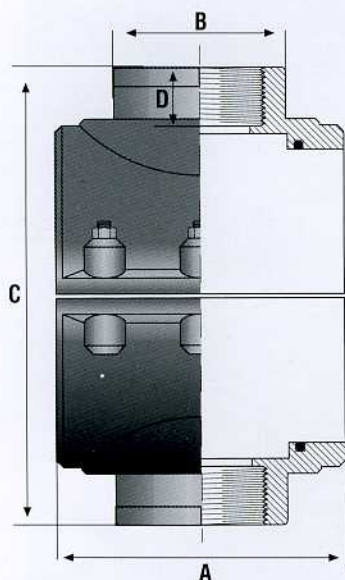
Up to 315 mm.

HIDROTEN, S.A. With its wide clamp saddle family cover all the pipe options from 25 to 200mm, outlets from 1/2" to 4" in their options, single outlet, double outlet with or without reinforcement.

This offer is extended and enhanced with our range of hinged clamp saddle family n. 05 giving option to the professional of sizes from 200 to 315, glued or thread with interchangeable outlets.

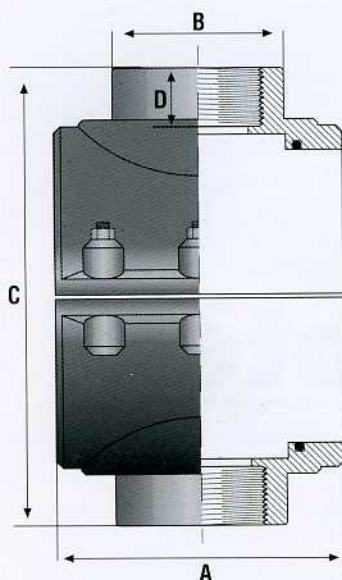


**Double Clamp saddle
-With reinforcement**



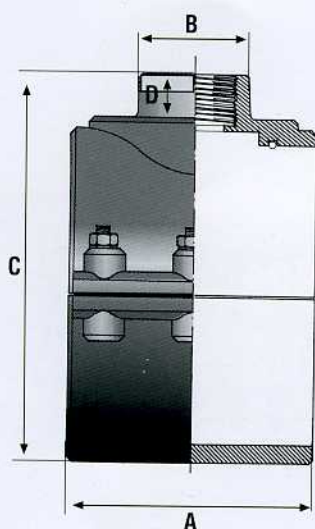
CODE	Ø PIPE	NO	WEIGHT GRS. UNIT	A	B	C	D	BOLTS
03300	25	1/2"	102	45	40	73	19	2
03301	25	3/4"	95	45	41	73	19	2
03302	32	1/2"	135	49	40	86	18	2
03303	32	3/4"	140	49	43	86	19	2
03304	40	1/2"	164	59	40	94	19	2
03305	40	3/4"	169	59	43	94	19	2
03306	40	1"	183	59	50	94	19	2
03307	50	1/2"	163	52	40	102	15	2
03308	50	3/4"	167	52	43	102	15	2
03309	50	1"	188	52	50	112	19	2
03310	63	1/2"	289	70	40	115	15	4
03311	63	3/4"	293	70	43	115	15	4
03312	63	1"	307	70	50	125	20	4
03313	63	1 1/4"	333	70	60	125	23	4
03314	63	1 1/2"	356	70	68	125	23	4
03315	75	1/2"	379	85	40	137	15	4
03316	75	3/4"	358	85	43	131	19	4
03317	75	1"	374	85	50	137	22	4
03318	75	1 1/4"	414	85	61	141	24	4
03319	75	1 1/2"	424	85	68	141	24	4
03320	75	2"	511	85	81	149	28	4
03321	90	1/2"	386	87	40	140	16	4
03322	90	3/4"	400	87	43	146	19	4
03323	90	1"	411	87	50	152	22	4
03324	90	1 1/4"	447	87	61	156	24	4
03325	90	1 1/2"	466	87	68	156	24	4
03326	90	2"	538	87	81	164	28	4
03118	110	1/2"	515	104	43	166	17	4
03327	110	3/4"	500	105	43	166	19	4
03328	110	1"	531	105	50	172	22	4
03329	110	1 1/4"	559	105	61	182	24	4
03330	110	1 1/2"	585	105	68	176	24	4
03331	110	2"	661	105	81	184	28	4
03332	110	2 1/2"	834	105	101	198	34	4
03122	125	1/2"	1.288	101	40	187	17	4
03333	125	3/4"	591	102	40	187	19	4
03334	125	1"	637	102	50	191	22	4
03335	125	1 1/4"	658	102	61	199	24	4
03336	125	1 1/2"	681	102	68	199	24	4
03337	125	2"	707	102	81	205	28	4
03338	125	2 1/2"	881	102	100	225	37	4
03339	140	1"	1.107	134	51	212	24	6
03340	140	1 1/4"	1.131	133	61	218	27	6
03341	140	1 1/2"	1.111	134	69	218	27	6
03342	140	2"	1.151	133	83	222	30	6
03343	140	2 1/2"	1.283	133	100	244	37	6
03344	140	3"	1.191	134	109	228	32	6
03345	160	1"	1.221	136	50	234	24	6
03346	160	1 1/4"	1.237	136	61	234	26	6
03347	160	1 1/2"	1.235	136	69	234	27	6
03348	160	2"	1.273	136	82	242	30	6
03349	160	2 1/2"	1.411	136	101	264	37	6
03350	160	3"	1.331	136	110	248	32	6
03351	200	1 1/4"	2.068	173	61	262	24	6
03352	200	1 1/2"	2.060	173	68	274	24	6
03353	200	2"	2.104	173	81	282	28	6
03354	200	2 1/2"	2.238	173	101	304	37	6
03355	200	3"	2.146	173	111	286	30	6
03356	200	4"	2.294	173	140	306	40	6

Double Clamp saddle
-Without reinforcement



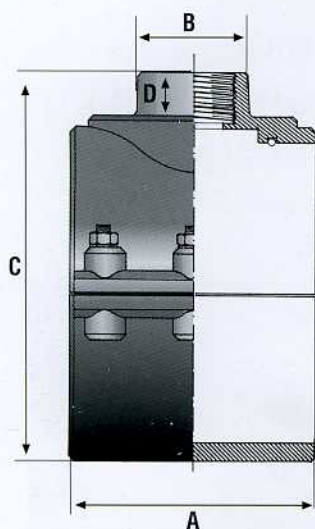
CODE	Ø PIPE	ND	WEIGHT GRS. UNIT	A	B	C	D
03200	25	1/2"	82	45	38	71	19
03201	25	3/4"	75	45	38	71	19
03202	32	1/2"	115	49	38	84	18
03203	32	3/4"	118	49	41	84	19
03204	40	1/2"	144	59	38	92	19
03205	40	3/4"	147	59	41	92	19
03206	40	1"	157	59	38	92	19
03207	50	1/2"	143	52	38	100	15
03208	50	3/4"	145	52	41	100	15
03209	50	1"	162	52	48	110	19
03210	63	1/2"	269	70	38	113	15
03211	63	3/4"	268	70	41	113	15
03212	63	1"	279	70	48	123	20
03213	63	1 1/4"	297	70	58	123	23
03214	63	1 1/2"	314	70	66	123	23
03215	75	1/2"	359	85	38	135	15
03216	75	3/4"	331	85	41	129	19
03217	75	1"	348	85	48	135	22
03218	75	1 1/4"	378	85	58	139	24
03219	75	1 1/2"	382	85	66	139	24
03220	75	2"	457	85	78	147	28
03221	90	1/2"	379	87	38	138	16
03222	90	3/4"	382	87	41	144	19
03223	90	1"	387	87	48	150	22
03224	90	1 1/4"	411	87	59	154	24
03225	90	1 1/2"	424	87	66	154	24
03226	90	2"	483	87	79	162	28
03117	110	1/2"	485	104	41	164	17
03227	110	3/4"	478	104	41	164	19
03228	110	1"	505	104	48	170	22
03229	110	1 1/4"	523	104	59	180	24
03230	110	1 1/2"	543	104	66	174	24
03231	110	2"	601	104	79	182	28
03232	110	2 1/2"	748	104	99	196	34
03121	125	1/2"	1.284	101	38	185	17
03233	125	3/4"	569	101	38	185	19
03234	125	1"	611	101	48	189	22
03235	125	1 1/4"	622	101	59	197	24
03236	125	1 1/2"	639	101	66	197	24
03237	125	2"	655	101	79	203	28
03238	125	2 1/2"	795	101	98	223	37
03239	140	1"	1.081	134	49	210	24
03240	140	1 1/4"	1.095	133	59	216	27
03241	140	1 1/2"	1.069	134	67	216	27
03242	140	2"	1.097	133	81	220	30
03243	140	2 1/2"	1.197	133	98	242	37
03244	140	3"	1.095	134	107	226	32
03245	160	1"	1.195	136	48	232	24
03246	160	1 1/4"	1.201	136	59	232	26
03247	160	1 1/2"	1.193	136	67	232	27
03248	160	2"	1.219	136	80	240	30
03249	160	2 1/2"	1.325	136	99	262	37
03250	160	3"	1.235	136	108	246	32
03251	200	1 1/4"	2.032	173	59	260	24
03252	200	1 1/2"	2.018	173	66	272	24
03253	200	2"	2.050	173	79	280	28
03254	200	2 1/2"	2.152	173	99	302	37
03255	200	3"	2.050	173	109	284	30
03256	200	4"	2.170	173	138	304	40

**Clamp saddle
-With reinforcement**

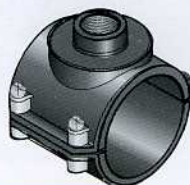


CODE	Ø PIPE	ND	WEIGHT GRS. UNIT	A	B	C	D	BOLTS
03053	25	1/2"	74	45	40	53	19	2
03054	25	3/4"	71	45	41	53	19	2
03055	32	1/2"	107	49	40	61	18	2
03056	32	3/4"	110	49	43	61	19	2
03057	40	1/2"	124	59	40	73	19	2
03058	40	3/4"	131	59	43	73	19	2
03059	40	1"	138	59	50	73	19	2
03060	50	1/2"	137	52	40	82	15	2
03061	50	3/4"	136	52	43	82	15	2
03062	50	1"	147	52	50	87	19	2
03063	63	1/2"	247	70	40	95	15	4
03064	63	3/4"	247	70	43	95	15	4
03065	63	1"	257	70	50	100	20	4
03066	63	1 1/4"	268	70	60	100	23	4
03067	63	1 1/2"	283	70	68	100	23	4
03068	75	1/2"	327	85	40	113	15	4
03069	75	3/4"	320	85	43	110	19	4
03070	75	1"	328	85	50	113	22	4
03071	75	1 1/4"	347	85	61	115	24	4
03072	75	1 1/2"	352	85	68	116	24	4
03073	75	2"	393	85	81	119	28	4
03074	90	1/2"	350	87	40	122	16	4
03075	90	3/4"	356	87	43	125	19	4
03076	90	1"	363	87	50	128	22	4
03077	90	1 1/4"	381	87	61	130	24	4
03078	90	1 1/2"	390	87	68	130	24	4
03079	90	2"	426	87	81	134	28	4
03116	110	1/2"	470	104	43	148	17	4
03080	110	3/4"	474	105	43	148	19	4
03081	110	1"	493	105	50	151	22	4
03082	110	1 1/4"	504	105	61	156	24	4
03083	110	1 1/2"	517	105	68	153	24	4
03084	110	2"	555	105	81	157	28	4
03106	110	2 1/2"	646	105	101	164	34	4
03120	125	1/2"	1.292	101	40	167	17	4
03085	125	3/4"	568	102	40	167	19	4
03086	125	1"	591	102	50	169	22	4
03087	125	1 1/4"	599	102	61	173	24	4
03088	125	1 1/2"	613	102	68	173	24	4
03089	125	2"	626	102	81	176	28	4
03108	125	2 1/2"	713	102	100	186	37	4
03090	140	1"	1.012	134	51	188	24	6
03091	140	1 1/4"	1.024	133	61	191	27	6
03092	140	1 1/2"	1.014	134	69	191	27	6
03093	140	2"	1.034	133	83	193	30	6
03110	140	2 1/2"	1.100	133	100	204	37	6
03094	140	3"	1.054	134	109	196	32	6
03095	160	1"	1.163	136	50	211	24	6
03096	160	1 1/4"	1.171	136	61	211	26	6
03097	160	1 1/2"	1.174	136	69	211	27	6
03098	160	2"	1.189	136	82	215	30	6
03112	160	2 1/2"	1.258	136	101	226	37	6
03099	160	3"	1.218	136	110	218	32	6
03100	200	1 1/4"	1.983	173	61	245	24	6
03101	200	1 1/2"	1.979	173	68	251	24	6
03102	200	2"	2.001	173	81	255	28	6
03114	200	2 1/2"	2.248	173	101	267	37	6
03103	200	3"	2.022	173	111	257	30	6
03104	200	4"	2.096	173	140	267	40	6

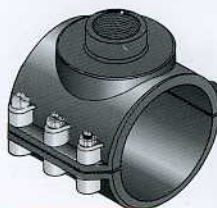
Clamp saddle -Without reinforcement



2 bolts



4 bolts



6 bolts

CODE	Ø PIPE	ND	WEIGHT GRS. UNIT	A	B	C	D	BOLTS
03001	25	1/2"	64	45	38	52	19	2
03002	25	3/4"	61	45	41	52	19	2
03003	32	1/2"	97	49	38	60	18	2
03004	32	3/4"	97	49	41	60	19	2
03005	40	1/2"	114	59	38	72	19	2
03006	40	3/4"	120	59	41	72	19	2
03007	40	1"	125	59	48	72	19	2
03008	50	1/2"	127	52	38	81	15	2
03009	50	3/4"	125	52	41	81	15	2
03010	50	1"	134	52	48	86	19	2
03011	63	1/2"	237	70	38	94	15	4
03012	63	3/4"	236	70	41	94	15	4
03013	63	1"	244	70	48	99	20	4
03014	63	1 1/4"	250	70	58	99	23	4
03015	63	1 1/2"	262	70	66	99	23	4
03016	75	1/2"	317	85	38	112	15	4
03017	75	3/4"	309	85	41	109	19	4
03018	75	1"	315	85	48	112	22	4
03019	75	1 1/4"	329	85	59	114	24	4
03020	75	1 1/2"	331	85	66	114	24	4
03021	75	2"	366	85	79	118	28	4
03022	90	1/2"	340	87	38	121	16	4
03023	90	3/4"	345	87	41	124	19	4
03024	90	1"	351	87	48	127	22	4
03025	90	1 1/4"	363	87	59	129	24	4
03026	90	1 1/2"	369	87	66	129	24	4
03027	90	2"	399	87	79	133	28	4
03115	110	1/2"	470	104	41	147	17	4
03028	110	3/4"	463	104	41	147	19	4
03029	110	1"	480	104	41	150	22	4
03030	110	1 1/4"	486	104	59	155	24	4
03031	110	1 1/2"	496	104	66	152	24	4
03032	110	2"	528	104	79	156	28	4
03105	110	2 1/2"	598	104	99	163	34	4
03119	125	1/2"	1.290	101	38	166	17	4
03033	125	3/4"	557	101	38	166	19	4
03034	125	1"	578	101	48	168	22	4
03035	125	1 1/4"	581	101	59	172	24	4
03036	125	1 1/2"	592	101	66	172	24	4
03037	125	2"	599	101	79	175	28	4
03107	125	2 1/2"	670	101	98	185	37	4
03038	140	1"	999	134	49	187	24	6
03039	140	1 1/4"	1.006	133	59	190	27	6
03040	140	1 1/2"	993	134	67	190	27	6
03041	140	2"	1.007	133	81	192	30	6
03109	140	2 1/2"	1.057	133	98	203	37	6
03042	140	3"	1.006	134	107	195	32	6
03043	160	1"	1.150	136	48	210	24	6
03044	160	1 1/4"	1.153	136	59	210	26	6
03045	160	1 1/2"	1.153	136	67	210	27	6
03046	160	2"	1.162	136	80	214	30	6
03111	160	2 1/2"	1.215	136	99	225	37	6
03047	160	3"	1.170	136	108	217	32	6
03048	200	1 1/4"	1.965	173	59	244	24	6
03049	200	1 1/2"	1.958	173	66	250	24	6
03050	200	2"	1.974	173	79	254	28	6
03113	200	2 1/2"	2.205	173	99	266	37	6
03051	200	3"	1.974	173	109	256	30	6
03052	200	4"	2.034	173	138	266	40	6