

CATALOG
2026

IGNPRO





Index

1. Grooved Accessories

COUPLINGS

IGN-010 Rigid Coupling	8
IGN-011 Flexible Coupling	9
IGN-012 Quick Coupling	10
IGN-013 Flexible Reducing Coupling	11

ELBOWS

IGN-020 90° Grooved Elbow	12
IGN-021 45° Grooved Elbow	13
IGN-022 22.5° Grooved Elbow	14
IGN-023 11.25° Grooved Elbow	15
IGN-024 90° Grooved Elbow – Threaded Outlet	16

ACCESSORIES

IGN-030 Grooved Cross	17
IGN-031 Grooved Tee	18
IGN-032 Reducing Grooved Tee	19
IGN-033 Concentric Grooved Reducer	20
IGN-034 Mechanical Grooved Tee	22
IGN-035 Mechanical Tee for Accessory	23
IGN-036 Grooved Cap	25
IGN-037 Grooved End Cap with Eccentric Outlet	26
IGN-038 Grooved Flange	27
IGN-039 Grooved Flange Adapter	28
IGN-040 Threaded Reducer	29
IGN-041 Grooved Reducer with Threaded Outlet	30

2. Valves

BUTTERFLY VALVES

IGN-100 Grooved Butterfly Valve	34
IGN-101 Grooved Butterfly Valve, Bronze Disc	35
IGN-102 Threaded Butterfly Valve, Bronze Disc	36
IGN-103 Lever-Type Grooved Butterfly Valve	37
IGN-104 Wafer-Type Butterfly Valve Between Flanges	38

GATE VALVES

IGN-105 NRS Grooved Gate Valve	39
IGN-106 OS&Y Grooved Gate Valve	40
IGN-107 OS&Y Flanged Gate Valve	41
IGN-108 NRS Flanged Gate Valve with Position Indicator	42
IGN-109 OS&Y Threaded Gate Valve, Bronze	43

PRESSURE REDUCING VALVES

IGN-110 Threaded Pressure Reducing Valve	44
IGN-111 Grooved Pressure Reducing Valve	45

CHECK VALVES

IGN-112 Grooved Check Valve	46
IGN-113 Wafer-Type Grooved Check Valve	47

STRAINERS

IGN-114 Grooved Y-Strainer	48
----------------------------	----

AIR VENTS

IGN-115 Automatic Air Release Valve	49
-------------------------------------	----

3. Switches / Indicators

IGN-120 Switches	52
IGN-121 Flow Switches	53
IGN-122 Pressure Switches	54

4. Control Assemblies

IGN-130 Compact Control Assemblies	58
IGN-131/132 Wet Alarm Check Valve Assemblies	59
IGN-133/134 Dry Alarm Check Valve Assemblies	61

IGNPRO

About us

IGN PRO was born from a simple yet powerful idea: protection is not a reaction, it is an instinct. In nature, survival does not depend on improvisation, but on preparedness. The rhinoceros is one of the best examples of this. Its strength is not merely physical; it is structural, essential. It is built to endure, to move forward without retreating, and to protect what surrounds it against any threat. It does not hesitate. It acts.

That same principle defines **IGN PRO**. We understand fire protection as a system that must anticipate, not simply respond. That is why every IGN solution is designed around robustness, reliability, and technical precision. Components that work together as a single unit, capable of withstanding extreme conditions and delivering maximum performance when it is needed most.

It is not just about complying with regulations.
It is about delivering real safety.

IGN PRO is a complete fire protection solution: high-strength materials, demanding manufacturing processes, and a design engineered to last. Every component is part of a system that protects infrastructure, people, and environments. Following the same logic that governs nature: resist, contain, and protect. Because when fire breaks out, there is no room for error. There is only one option: everything must work.

IGN PRO The peace of mind that comes from knowing that, even under the most critical conditions, there is a barrier ready to act.

IGN PRO is instinct transformed into engineering.
Protection taken to the highest level.
The ultimate defense against fire.

Grooved Accessories



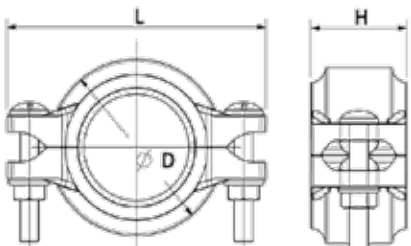
COUPLINGS
ELBOWS
ACCESSORIES

1.



Rigid Couplings

IGN-010 Series
300 PSI | 20 bar



FEATURES & SPECIFICATIONS

- **Housing material:** Ductile iron in accordance with **ASTM A536**, Grade 65-45-12
- **Maximum working pressure:** 300 PSI | 20 bar
- **Gasket material:** EPDM
(Optional: NBR nitrile, silicone, or other materials)
- **Bolts and nuts:** Heat-treated bolts with electro-galvanized finish, oval-neck design, and high-strength hex nuts. Track-head bolts comply with the physical and chemical requirements of **ASTM A449** and the physical requirements of **ASTM A183**.
- **Finish:** Electrostatic powder epoxy coating, **RAL3000** (Optional: hot-dip galvanized or other finishes available)
- **Size range:** DN25 to DN300 (1" to 12")

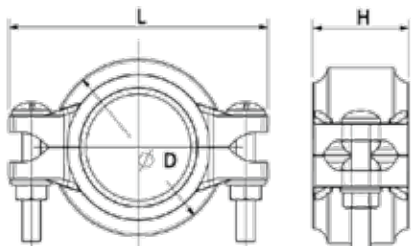
REFERENCES | CHARACTERISTICS

Reference	Nominal Size (mm/inch)		Pipe O.D. (mm)	Max. orking Pressure (bar)	Max. Load (N)	Axial Deflection (mm)	Dimensions (mm)			Bolt Size (mm)
							X	Y	Z	
IGN-010-34	25	1"	33.7	20	4530	2.3	54	98	44	M10x55
IGN-010-42	32	1¼"	42.4	20	7300	2.3	63	103	44	M10x55
IGN-010-48	40	1½"	48.3	20	9470	2.3	69	109	44	M10x55
IGN-010-60	50	2"	60.3	20	11820	2.3	82	123	45	M10x55
IGN-010-76	65	2½"	76.1	20	17190	2.3	100	145	46	M10x60
IGN-010-89	80	3"	88.9	20	23460	2.7	113	159	47	M10x60
IGN-010-114	100	4"	114.3	20	35400	2.7	142	192	49	M12x70
IGN-010-139	125	5"	139.7	20	52880	2.7	169	222	50	M12x75
IGN-010-168	150	6"	168.3	20	76750	2.7	198	251	51	M12x75
IGN-010-219	200	8"	219.1	20	103680	4.9	255	322	58	M16x90
IGN-010-273	250	10"	273.0	20	146340	4.9	313	391	62	M20x100



Flexible Couplings

IGN-011 Series
300 PSI | 20 bar



FEATURES & SPECIFICATIONS

- Housing material: Ductile iron in accordance with **ASTM A536**, Grade 65-45-12
- Maximum working pressure: **300 PSI | 20 bar**
- Gasket material: **EPDM**
(Optional: NBR nitrile, silicone, or other materials)
- Bolts and nuts: Heat-treated bolts with electro-galvanized finish, oval-neck design, and high-strength hex nuts. Track-head bolts comply with the physical and chemical requirements of ASTM A449 and the physical requirements of ASTM A183.
- Finish: Electrostatic powder epoxy coating, **RAL 3000** (Optional: hot-dip galvanized or other finishes available)
- Size range: **DN25 to DN300 (1" to 16")**

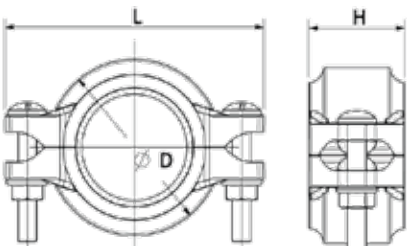
REFERENCES | CHARACTERISTICS

Reference	Nominal Size (mm/inch)		Pipe O.D. (mm)	Max. Working Pressure (bar)	Max. End Load (N)	Desplaz. Axial (mm)	Dimensions (mm)			Bolt Size (mm)
							X	Y	Z	
IGN-011-34	25	1"	33.7	20	4530	2.3	56	91	45	M10x55
IGN-011-42	32	1¼"	42.4	20	7300	2.3	68	103	45	M10x55
IGN-011-48	40	1½"	48.3	20	9470	2.3	73	109	45	M10x55
IGN-011-60	50	2"	60.3	20	11820	2.3	87	125	45	M10x55
IGN-011-76	65	2½"	76.1	20	17190	2.3	103	141	46	M10x60
IGN-011-89	80	3"	88.9	20	23460	2.7	118	165	46	M10x60
IGN-011-114	100	4"	114.3	20	35400	2.7	146	196	50	M12x70
IGN-011-139	125	5"	139.7	20	52880	2.7	172	220	51	M12x75
IGN-011-168	150	6"	168.3	20	76750	2.7	202	251	52	M12x75
IGN-011-219	200	8"	219.1	20	103680	4.9	260	335	61	M16x90
IGN-011-273	250	10"	273.0	20	146340	4.9	315	400	62	M20x100
IGN-011-324	300	12"	323.9	20	205990	4.9	368	448	63	M20x100
IGN-011-356	350	14"	355.6	20	248287	4.9	403	502	73	M22x120



Quick Couplings

IGN-012 Series
300 PSI | 20 bar



FEATURES & SPECIFICATIONS

- Housing material: Ductile iron in accordance with **ASTM A536, Grade 65-45-12**
- Maximum working pressure: **300 PSI | 20 bar**
- Gasket material: **EPDM**
(Optional: NBR nitrile, silicone, or other materials)
- Bolts and nuts: Heat-treated bolts with electro-galvanized finish, oval-neck design, and high-strength hex nuts. Track-head bolts comply with the physical and chemical requirements of **ASTM A449** and the physical requirements of **ASTM A183**.
- Finish: Electrostatic powder epoxy coating, **RAL 3000** (Optional: hot-dip galvanized or other finishes available)
- Size range: **DN25 to DN200 (1" to 8")**

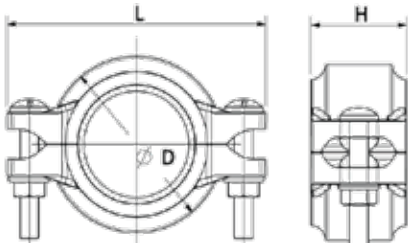
REFERENCES | CHARACTERISTICS

Reference	Nominal Size (mm/inch)		Pipe O.D. (mm)	Max. Working Pressure (bar)	Pre-Inst. Dimensions (mm)			Post-Inst. Dimensions (mm)			Bolt Size (mm)
					X	Y	Z	X	Y	Z	
IGN-012-34	25	1"	33.7	20	65	100	50	56	100	50	M10x55
IGN-012-42	32	1¼"	42.4	20	73	109	50	65	109	50	M10x55
IGN-012-48	40	1½"	48.3	20	78	115	50	70	115	50	M10x55
IGN-012-60	50	2"	60.3	20	89	127	50	83	127	50	M10x60
IGN-012-76	65	2½"	76.1	20	106	142	50	99	142	50	M10x60
IGN-012-89	80	3"	88.9	20	118	159	50	112	159	50	M12x65
IGN-012-114	100	4"	114.3	20	142	189	53	138	189	53	M12x70
IGN-012-139	125	5"	139.7	20	175	218	53	168	218	53	M12x75
IGN-012-168	150	6"	168.3	20	198	257	53	193	257	23	M16x90
IGN-012-219	200	8"	219.1	20	251	315	60	246	315	60	M16x90



Flexible Reducing Couplings

IGN-013 Series
300 PSI | 20 bar



FEATURES & SPECIFICATIONS

- Housing material: Ductile iron in accordance with **ASTM A536, Grade 65-45-12**
- Maximum working pressure: **300 PSI | 20 bar**
- Gasket material: **EPDM**
(Optional: NBR nitrile, silicone, or other materials)
- Bolts and nuts: Heat-treated bolts with electro-galvanized finish, oval-neck design, and high-strength hex nuts. Track-head bolts comply with the physical and chemical requirements of **ASTM A449** and the physical requirements of **ASTM A183**.
- Finish: Electrostatic powder epoxy coating, **RAL 3000** (Optional: hot-dip galvanized or other finishes available)

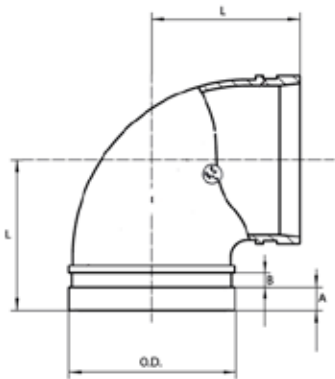
REFERENCES | CHARACTERISTICS

Reference	Nominal Diameter (mm/inch)	Pipe O.D. (mm)	Max. Working Pressure (bar)	Max. End Load (N)	Axial Deflection (mm)	Dimensions (mm)			Bolt Size (mm)
						X	Y	Z	
IGN-013-6048	2 x 1½"	60.3 x 48.3	20	6963	2.6	82	125	46	M10x55
IGN-013-7642	2½ x 1¼"	76.1 x 42.4	20	5365	2.6	103	148	46	M12x75
IGN-013-7648	2½ x 1½"	76.1 x 48.3	20	6963	2.6	103	148	46	M12x75
IGN-013-7660	2½ x 2"	76.1 x 60.3	20	10852	2.9	103	148	46	M12x75
IGN-013-8948	3 x 1½"	88.9 x 48.3	20	6963	3.1	114	160	49	M12x75
IGN-013-8960	3 x 2"	88.9 x 60.3	20	9852	3.1	114	160	49	M12x75
IGN-013-8976	3 x 2½"	88.9 x 76.1	20	17284	3.1	114	160	49	M12x75
IGN-013-11460	4 x 2"	114.3 x 60.3	20	9852	3.5	142	200	51	M16x90
IGN-013-11476	4 x 2½"	114.3 x 76.1	20	15692	3.5	142	200	51	M16x90
IGN-013-11489	4 x 3"	114.3 x 88.9	20	23587	3.5	142	200	51	M16x90
IGN-013-16889	6 x 3"	168.3 x 88.9	20	17070	4.0	200	272	51	M20x115
IGN-013-168114	6 x 4"	168.3 x 114.3	20	31803	4.0	200	272	51	M20x115
IGN-013-168165	6 x 6"	168.3 x 165.1	20	58873	4.0	200	272	51	M20x115



90°
Grooved Elbow

IGN-020 Series
300 PSI | 20 bar



FEATURES & SPECIFICATIONS

- Housing material: Ductile iron in accordance with **ASTM A536, Grade 65-45-12**
- Maximum working pressure: **300 PSI | 20 bar**
- Finish: Electrostatic powder epoxy coating, **RAL 3000** (Optional: hot-dip galvanized or other finishes available)
- Size range: **DN25 to DN350 (1" to 14")**

REFERENCES | CHARACTERISTICS

Reference	Nominal Size (mm/inch)		Pipe O.D. (mm)	Max. Working Pressure (bar)	Center-to-End (C-E) (mm/inch)
IGN-020-34	25	1"	33.7	20	57.0 2.25
IGN-020-42	32	1¼"	42.4	20	70.0 2.75
IGN-020-48	40	1½"	48.3	20	70.0 2.75
IGN-020-60	50	2"	60.3	20	70.0 2.75
IGN-020-76	65	2½"	76.1	20	76.0 3.00
IGN-020-89	80	3"	88.9	20	86.0 3.40
IGN-020-114	100	4"	114.3	20	102.0 4.00
IGN-020-139	125	5"	139.7	20	124.0 4.88
IGN-020-168	150	6"	168.3	20	140.0 5.50
IGN-020-219	200	8"	219.1	20	173.0 6.80
IGN-020-273	250	10"	273.0	20	215.0 8.45
IGN-020-324	300	12"	323.9	20	220.0 8.64
IGN-020-356	350	14"	355.6	20	245.0 9.63



45°
Grooved Elbow

IGN-021 Series
300 PSI | 20 bar



FEATURES & SPECIFICATIONS

- Housing material: Ductile iron in accordance with **ASTM A-536, Grade 65-45-12**
- Maximum working pressure: **300 PSI | 20 bar**
- Finish: Electrostatic powder epoxy coating, **RAL3000** (Optional: hot-dip galvanized or other finishes available)
- Size range: **DN25 to DN300 (1" to 12")**

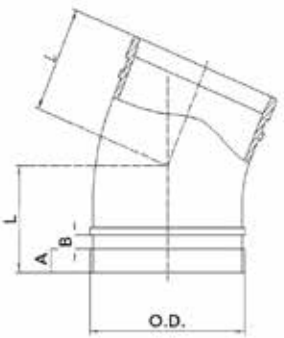
REFERENCES | CHARACTERISTICS

Reference	Nominal Size (mm/inch)		Pipe O.D. (mm)	Max. Working Pressure (bar)	Center-to-End (C-E) (mm/inch)
IGN-021-34	25	1"	33.7	20	44.0 1.75
IGN-021-42	32	1¼"	42.4	20	44.0 1.75
IGN-021-48	40	1½"	48.3	20	44.0 1.75
IGN-021-60	50	2"	60.3	20	51.0 2.00
IGN-021-76	65	2½"	76.1	20	57.0 2.25
IGN-021-89	80	3"	88.9	20	64.0 2.50
IGN-021-114	100	4"	114.3	20	76.0 3.00
IGN-021-139	125	5"	139.7	20	83.0 3.25
IGN-021-168	150	6"	168.3	20	89.0 3.50
IGN-021-219	200	8"	219.1	20	108.0 4.25
IGN-021-273	250	10"	273.0	20	121.0 4.75
IGN-021-324	300	12"	323.9	20	133.0 5.25



22.5° Grooved Elbow

IGN-022 Series
300 PSI | 20 bar



FEATURES & SPECIFICATIONS

- Housing material: Ductile iron in accordance with **ASTM A-536, Grade 65-45-12**
- Maximum working pressure: **300 PSI | 20 bar**
- Finish: Electrostatic powder epoxy coating, **RAL3000** (Optional: hot-dip galvanized or other finishes available)
- Size range: **DN25 to DN200 (2" to 8")**

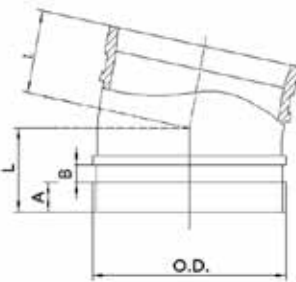
REFERENCES | CHARACTERISTICS

Reference	Nominal Size (mm/inch)		Pipe O.D. (mm)	Max. Working Pressure (bar)	Center-to-End (C-E) (mm/inch)
IGN-022-60	50	2"	60.3	20	51.0 2.00
IGN-022-76	65	2½"	76.1	20	51.0 2.00
IGN-022-89	80	3"	88.9	20	57.0 2.25
IGN-022-114	100	4"	114.3	20	73.0 2.87
IGN-022-139	125	5"	139.7	20	73.0 2.87
IGN-022-168	150	6"	168.3	20	79.0 3.11
IGN-022-219	200	8"	219.1	20	83.0 3.25



11.25° Grooved Elbow

IGN-023 Series
300 PSI | 20 bar



FEATURES & SPECIFICATIONS

- Housing material: Ductile iron in accordance with **ASTM A-536, Grade 65-45-12**
- Maximum working pressure: **300 PSI | 20 bar**
- Finish: Electrostatic powder epoxy coating, **RAL3000** (Optional: hot-dip galvanized or other finishes available)
- Size range: **DN50 to DN200 (2" to 8")**

REFERENCES | CHARACTERISTICS

Reference	Nominal Size (mm/inch)	Pipe O.D. (mm)	Max. Working Pressure (bar)	Presión máx. Trabajo (bar)	Center-to-End (C-E) (mm/inch)
IGN-023-60	50	2"	60.3	20	35.0 1.38
IGN-023-76	65	2½"	76.1	20	38.0 1.50
IGN-023-89	80	3"	88.9	20	38.0 1.50
IGN-023-114	100	4"	114.3	20	44.0 1.75
IGN-023-139	125	5"	139.7	20	51.0 2.00
IGN-023-168	150	6"	168.3	20	51.0 2.00
IGN-023-219	200	8"	219.1	20	51.0 2.00

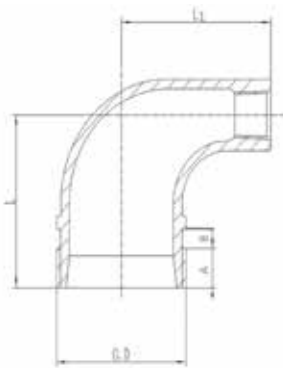
90° Grooved Elbow with Threaded Outlet

IGN-024 Series
300 PSI | 20 bar



FEATURES & SPECIFICATIONS

- Housing material: Ductile iron in accordance with **ASTM A-536, Grade 65-45-12**
- Maximum working pressure:: **300 PSI | 20 bar**
- Finish: Electrostatic powder epoxy coating, **RAL3000** (Optional: hot-dip galvanized or other finishes available)



REFERENCES | CHARACTERISTICS

Reference	Nominal Diameter (mm)	Nominal Diameter (inch)	Pipe O.D. (mm)	Max. Working Pressure (bar)	L1		L	
					mm		mm	
IGN-024-4821	40x15	1½" x ½"	48.3	20	48.0	1.90	35.0	1.38
IGN-024-4827	40x20	1½" x ¾"	48.3	20	51.0	2.00	37.0	1.46
IGN-024-4834	40x25	1½" x 1"	48.3	20	55.0	2.17	40.0	1.57
IGN-024-6021	50x15	2 x ½"	60.3	20	48.0	1.90	41.0	1.60
IGN-024-6027	50x20	2 x ¾"	60.3	20	51.0	2.00	43.0	1.70
IGN-024-6034	50x25	2 x 1"	60.3	20	55.0	2.17	46.0	1.80

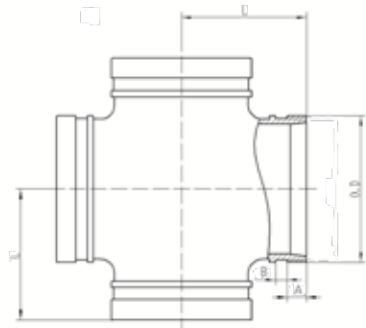
Grooved Cross

IGN-030 Series
300PSI | 20 bar



FEATURES & SPECIFICATIONS

- Housing material: Ductile iron in accordance with **ASTM A-536, Grade 65-45-12**
- Maximum working pressure: **300 PSI | 20 bar**
- Finish: Electrostatic powder epoxy coating, **RAL3000** (Optional: hot-dip galvanized or other finishes available)
- Size range: **DN50 to DN200 (2" to 8")**



REFERENCES | CHARACTERISTICS

Reference	Tamaño Nominal (mm/inch)		Pipe O.D. (mm)	Max. Working Pressure (bar)	Center-to-End (C-E) (mm/inch)	
IGN-030-60	50	2"	60.3	20	70.0	2.75
IGN-030-76	65	2½"	76.1	20	76.0	3.00
IGN-030-89	80	3"	88.9	20	86.0	3.40
IGN-030-114	100	4"	114.3	20	102.0	4.00
IGN-030-139	125	5"	139.7	20	124.0	4.88
IGN-030-168	150	6"	168.3	20	140.0	5.50
IGN-030-219	200	8"	219.1	20	173.0	6.80

1. Grooved Accessories

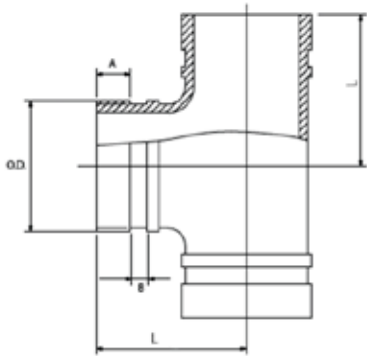
Grooved Tee

IGN-031 Series
300 PSI | 20 bar



FEATURES & SPECIFICATIONS

- Housing material: Ductile iron in accordance with **ASTM A-536, Grade 65-45-12**
- Maximum working pressure: **300 PSI | 20 bar**
- Finish: Electrostatic powder epoxy coating, **RAL3000** (Optional: hot-dip galvanized or other finishes available)
- Size range: **DN50 to DN200 (2" to 8")**



REFERENCES | CHARACTERISTICS

Reference	Nominal Size (inch)	Pipe O.D.(mm)	Max. Working Pressure (bar)	Center-to-Groove End (CGE) (mm) inch	Center-to-End (C-E) (mm/inch)
IGN-031-34	25	1"	33.7	20	57.0 2.25
IGN-031-42	32	1¼"	42.4	20	70.0 2.75
IGN-031-48	40	1½"	48.3	20	70.0 2.75
IGN-031-60	50	2"	60.3	20	70.0 2.75
IGN-031-76	65	2½"	76.1	20	76.0 3.00
IGN-031-89	80	3"	88.9	20	86.0 3.40
IGN-031-114	100	4"	114.3	20	102.0 4.00
IGN-031-139	125	5"	139.7	20	124.0 4.88
IGN-031-168	150	6"	168.3	20	140.0 5.50
IGN-031-219	200	8"	219.1	20	173.0 6.80
IGN-031-273	250	10"	273.0	20	215.0 8.45
IGN-031-324	300	12"	323.9	20	220.0 8.64

1. Grooved Accessories

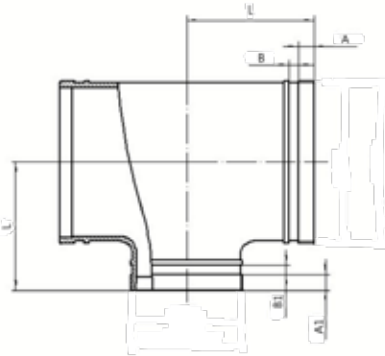
Reducin Grooved Tee

IGN-032 Series
300 PSI | 20 bar



FEATURES & SPECIFICATIONS

- Housing material: Ductile iron in accordance with **ASTM A-536, Grade 65-45-12**
- Maximum working pressure: **300 PSI | 20 bar**
- Finish: Electrostatic powder epoxy coating, **RAL3000** (Optional: hot-dip galvanized or other finishes available)



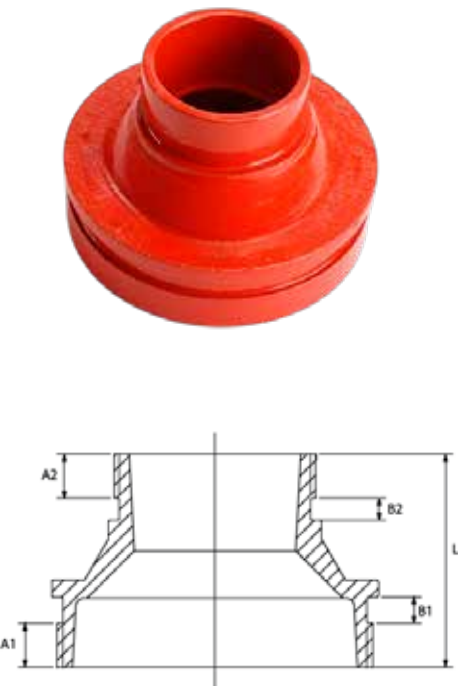
REFERENCES | CHARACTERISTICS

Reference	Nominal Diameter (inch)	Pipe O.D. (mm)	Max. Working Pressure (bar)	Center-to-End (C-E) (mm/inch)
IGN-032-6042	2" x 1¼"	60.3 x 42.4	20	70.0 2.75
IGN-032-6048	2 x 1½"	60.3 x 48.3	20	70.0 2.75
IGN-032-7642	2½" x 1¼"	76.1 x 42.4	20	76.0 3.00
IGN-032-7648	2½" x 1½"	76.1 x 48.3	20	76.0 3.00
IGN-032-7660	2½" x 2"	76.1 x 60.3	20	76.0 3.00
IGN-032-8948	3" x 1½"	88.9 x 48.3	20	86.0 3.40
IGN-032-8960	3" x 2"	88.9 x 60.3	20	86.0 3.40
IGN-032-8976	3" x 2½"	88.9 x 76.1	20	86.0 3.40
IGN-032-11460	4" x 2"	114.3 x 60.3	20	102.0 4.00
IGN-032-11476	4" x 2½"	114.3 x 76.1	20	102.0 4.00
IGN-032-11489	4" x 3"	114.3 x 88.9	20	102.0 4.00
IGN-032-13960	5" x 2"	139.7 x 60.3	20	124.0 4.88
IGN-032-13976	5" x 2½"	139.7 x 76.1	20	124.0 4.88
IGN-032-13989	5" x 3"	139.7 x 88.9	20	124.0 4.88
IGN-032-139114	5" x 4"	139.7 x 114.3	20	124.0 4.88
IGN-032-16860	6" x 2"	168.3 x 60.3	20	140.0 5.50
IGN-032-16876	6" x 2½"	168.3 x 76.1	20	140.0 5.50
IGN-032-16889	6" x 3"	168.3 x 88.9	20	140.0 5.50
IGN-032-168114	6" x 4"	168.3 x 114.3	20	140.0 5.50
IGN-032-168139	6" x 5"	168.3 x 139.7	20	140.0 5.50
IGN-032-21976	8" x 2½"	219.1 x 76.1	20	173.0 6.80
IGN-032-21989	8" x 3"	219.1 x 88.9	20	173.0 6.80
IGN-032-219114	8" x 4"	219.1 x 114.3	20	173.0 6.80
IGN-032-219168	8" x 6"	219.1 x 168.3	20	173.0 6.80
IGN-032-273114	10" x 4"	273.0 x 114.3	20	229.0 9.00
IGN-032-273168	10" x 6"	273.0 x 168.3	20	229.0 9.00
IGN-032-273219	10" x 8"	273.0 x 219.1	20	229.0 9.00
IGN-032-324168	12" x 6"	323.9 x 168.3	20	254.0 10.00
IGN-032-324219	12" x 8"	323.9 x 219.1	20	254.0 10.00
IGN-032-324273	12" x 10"	323.9 x 273.0	20	254.0 10.00



Concentric Grooved Reducer

IGN-033 Series
300 PSI | 20 bar



FEATURES & SPECIFICATIONS

- Housing material: Ductile iron in accordance with **ASTM A-536, Grade 65-45-12**
- Maximum working pressure: **300 PSI | 20 bar**
- Finish: Electrostatic powder epoxy coating, **RAL3000** (Optional: hot-dip galvanized or other finishes available)

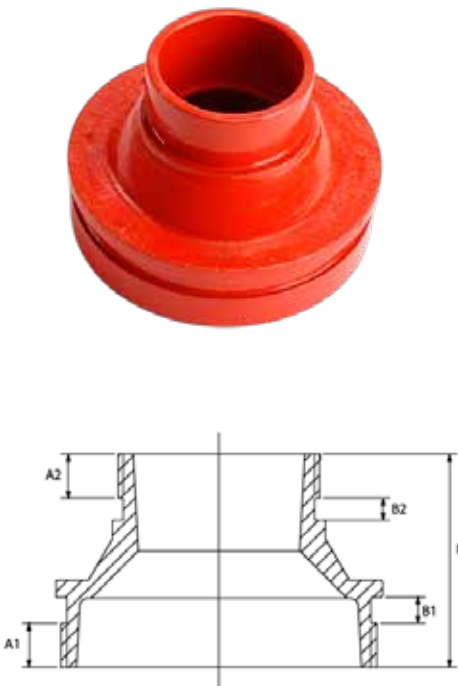
REFERENCES | CHARACTERISTICS

Reference	Nominal Diameter (inch)	Pipe O.D. (mm)	Max. Working Pressure (bar)	End-to-End (E-E) (mm/inch)	
IGN-033-4234	1¼" x 1"	42.4 x 33.7	20	64.0	2.50
IGN-033-4834	1½" x 1"	48.3 x 33.7	20	64.0	2.50
IGN-033-4842	1½" x 1¼"	48.3 x 42.4	20	64.0	2.50
IGN-033-6034	2" x 1"	60.3 x 33.7	20	64.0	2.50
IGN-033-6042	2" x 1¼"	60.3 x 42.4	20	64.0	2.50
IGN-033-6048	2 x 1½"	60.3 x 48.3	20	64.0	2.50
IGN-033-7642	2½" x 1¼"	76.1 x 42.4	20	64.0	2.50
IGN-033-7648	2½" x 1½"	76.1 x 48.3	20	64.0	2.50
IGN-033-7660	2½" x 2"	76.1 x 60.3	20	64.0	2.50
IGN-033-8942	3" x 1¼"	88.9 x 42.4	20	64.0	2.50
IGN-033-8948	3" x 1½"	88.9 x 48.3	20	64.0	2.50
IGN-033-8960	3" x 2"	88.9 x 60.3	20	64.0	2.50
IGN-033-8976	3" x 2½"	88.9 x 76.1	20	64.0	2.50
IGN-033-11442	4" x 1¼"	114.3 x 42.4	20	76.0	3.00
IGN-033-11448	4" x 1½"	114.3 x 48.3	20	76.0	3.00
IGN-033-11460	4" x 2"	114.3 x 60.3	20	76.0	3.00
IGN-033-11476	4" x 2½"	114.3 x 76.1	20	76.0	3.00
IGN-033-11489	4" x 3"	114.3 x 88.9	20	76.0	3.00
IGN-033-13960	5" x 2"	139.7 x 60.3	20	89.0	3.50
IGN-033-13976	5" x 2½"	139.7 x 76.1	20	89.0	3.50



Reduccion ranurada concentrica

serie IGN-033
300PSI | 20 bar



Reference	Nominal Diameter (inch)	Pipe O.D. (mm)	Max. Working Pressure (bar)	End-to-End (E-E) (mm/inch)	
IGN-033-13989	5" x 3"	139.7 x 88.9	20	89.0	3.50
IGN-033-139114	5" x 4"	139.7 x 114.3	20	89.0	3.50
IGN-033-16860	6" x 2"	168.3 x 60.3	20	102.0	4.00
IGN-033-16876	6" x 2½"	168.3 x 76.1	20	102.0	4.00
IGN-033-16889	6" x 3"	168.3 x 88.9	20	102.0	4.00
IGN-033-168114	6" x 4"	168.3 x 114.3	20	102.0	4.00
IGN-033-168139	6" x 5"	168.3 x 139.7	20	102.0	4.00
IGN-033-21976	8" x 2½"	219.1 x 76.1	20	127.0	5.00
IGN-033-21989	8" x 3"	219.1 x 88.9	20	127.0	5.00
IGN-033-219114	8" x 4"	219.1 x 114.3	20	127.0	5.00
IGN-033-219139	8" x 5"	219.1 x 139.7	20	127.0	5.00
IGN-033-219168	8" x 6"	219.1 x 168.3	20	127.0	5.00
IGN-033-273114	10" x 4"	273.0 x 114.3	20	152.0	6.00
IGN-033-273139	10" x 5"	273.0 x 139.7	20	152.0	6.00
IGN-033-273168	10" x 6"	273.0 x 168.3	20	152.0	6.00
IGN-033-273219	10" x 8"	273.0 x 219.1	20	152.0	6.00
IGN-033-324114	12" x 4"	323.9 x 114.3	20	178.0	7.00
IGN-033-324168	12" x 6"	323.9 x 168.3	20	178.0	7.00
IGN-033-324219	12" x 8"	323.9 x 219.1	20	178.0	7.00
IGN-033-324273	12" x 10"	323.9 x 273.0	20	178.0	7.00



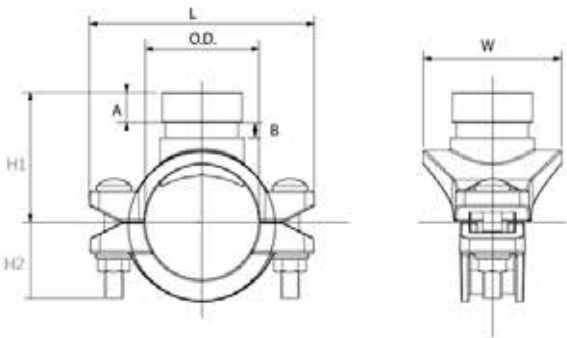
Mechanical Grooved Tee

IGN-034 Series
300 PSI | 20 bar



FEATURES & SPECIFICATIONS

- Housing material: Ductile iron in accordance with **ASTM A-536, Grade 65-45-12**
- Maximum working pressure: **300 PSI | 20 bar**
- Gasket material: **EPDM**
(Optional: NBR nitrile, silicone, or other materials)
- Bolts and nuts: Heat-treated bolts with electro-galvanized finish, oval-neck design, and high-strength hex nuts. Track-head bolts comply with the physical and chemical requirements of ASTM A-449 and the physical requirements of ASTM A-183.
- Finish: Electrostatic powder epoxy coating, **RAL3000** (Optional: hot-dip galvanized or other finishes available)



REFERENCES | CHARACTERISTICS

Reference	Nominal Diameter (mm)	Pipe O.D. (mm)	Hole Diameter (mm)	Max. Working Pressure (bar)	Dimensions (mm)				Bolt Size (mm)
					Y	V	W	Z	
IGN-034-6042	2" x 1¼"	60.3 x 42.4	44.5	20	35	128	77	63	M12x60
IGN-034-6048	2 x 1½"	60.3 x 48.3	44.5	20	35	128	77	63	M12x60
IGN-034-7642	2½" x 1¼"	76.1 x 42.4	44.5	20	43	142	77	72	M12x75
IGN-034-7648	2½" x 1½"	76.1 x 48.3	51.0	20	43	142	83	72	M12x75
IGN-034-8942	3" x 1¼"	88.9 x 42.4	44.5	20	50	152	75	78	M12x75
IGN-034-8948	3" x 1½"	88.9 x 48.3	51.0	20	50	152	83	78	M12x75
IGN-034-8960	3" x 2"	88.9 x 60.3	64.0	20	50	152	95	79	M12x75
IGN-034-11442	4" x 1¼"	114.3 x 42.4	44.5	20	63	179	75	88	M12x75
IGN-034-11448	4" x 1½"	114.3 x 48.3	51.0	20	63	179	83	88	M12x75
IGN-034-11460	4" x 2"	114.3 x 60.3	64.0	20	63	179	95	92	M12x75
IGN-034-11476	4" x 2½"	114.3 x 76.1	70.0	20	63	179	106	98	M12x75
IGN-034-11489	4" x 3"	114.3 x 88.9	89.0	20	63	179	126	100	M12x75
IGN-034-13948	5" x 1½"	139.7 x 48.3	51.0	20	76	222	83	101	M16x90
IGN-034-13960	5" x 2"	139.7 x 60.3	64.0	20	76	222	95	105	M16x90
IGN-034-13976	5" x 2½"	139.7 x 76.1	70.0	20	76	222	106	112	M16x90
IGN-034-13989	5" x 3"	139.7 x 88.9	89.0	20	76	222	126	112	M16x90
IGN-034-16842	6" x 1¼"	168.3 x 42.4	44.5	20	91	253	75	120	M16x90
IGN-034-16848	6" x 1½"	168.3 x 48.3	51.0	20	91	253	83	123	M16x90
IGN-034-16860	6" x 2"	168.3 x 60.3	64.0	20	91	253	95	123	M16x90
IGN-034-16876	6" x 2½"	168.3 x 76.1	70.0	20	91	253	106	123	M16x90
IGN-034-16889	6" x 3"	168.3 x 88.9	89.0	20	91	253	126	123	M16x90
IGN-034-168114	6" x 4"	168.3 x 114.3	114.0	20	91	253	154	125	M16x90
IGN-034-21960	8" x 2"	219.1 x 60.3	64.0	20	123	320	95	149	M20x115
IGN-034-21976	8" x 2½"	219.1 x 76.1	70.0	20	123	320	106	149	M20x115
IGN-034-21989	8" x 3"	219.1 x 88.9	89.0	20	123	320	126	149	M20x115



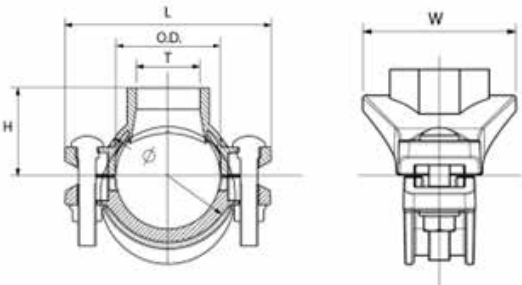
Mechanical Tee for Accessories

IGN-035 Series
300 PSI | 20 bar



FEATURES & SPECIFICATIONS

- Housing material: Ductile iron in accordance with **ASTM A-536, Grade 65-45-12**
- Maximum working pressure: **300 PSI | 20 bar**
- Gasket material: **EPDM**
(Optional: NBR nitrile, silicone, or other materials)
- Bolts and nuts: Heat-treated bolts with electro-galvanized finish, oval-neck design, and high-strength hex nuts. Track-head bolts comply with the physical and chemical requirements of ASTM A-449 and the physical requirements of ASTM A-183.
- Finish: Electrostatic powder epoxy coating, **RAL3000** (Optional: hot-dip galvanized or other finishes available)



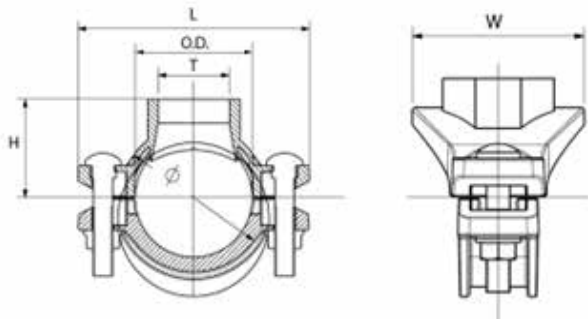
REFERENCES | CHARACTERISTICS

Reference	Nominal Diameter (mm)	Pipe O.D. (mm)	Hole Diameter (mm)	Max. Working Pressure (bar)	Dimensions (mm)				Bolt Size (mm)
					Y	V	W	Z	
IGN-035-3421	1" x ½"	33.7 x 21.3	25.0	20	93	34	27	48	M10x40
IGN-035-4221	1¼" x ½"	42.4 x 21.3	30.5	20	98	45	28	66	M10x40
IGN-035-4227	1¼" x ¾"	42.4 x 26.9	30.5	20	98	45	28	66	M10x40
IGN-035-4234	1¼" x 1"	42.4 x 33.7	30.5	20	98	54	28	66	M10x40
IGN-035-4821	1½" x ½"	48.3 x 21.3	30.5	20	104	48	31	66	M10x40
IGN-035-4827	1½" x ¾"	48.3 x 26.9	30.5	20	104	48	31	48	M10x40
IGN-035-4834	1½" x 1"	48.3 x 33.7	30.5	20	104	57	31	48	M10x40
IGN-035-6021	2" x ½"	60.3 x 21.3	30.5	20	125	54	38	66	M10x40
IGN-035-6027	2" x ¾"	60.3 x 26.9	30.5	20	125	54	38	66	M10x40
IGN-035-6035	2" x 1"	60.3 x 33.7	30.5	20	125	62	38	66	M10x40
IGN-035-7621	2½" x ½"	76.1 x 21.3	30.5	20	142	58	43	48	M12x75
IGN-035-7627	2½" x ¾"	76.1 x 26.9	30.5	20	142	58	43	48	M12x75
IGN-035-7634	2½" x 1"	76.1 x 33.7	38.0	20	142	69	43	68	M12x75
IGN-035-7642	2½" x 1¼"	76.1 x 42.4	44.5	20	142	77	43	69	M12x75
IGN-035-7648	2½" x 1½"	76.1 x 48.3	51.0	20	142	83	43	69	M12x75
IGN-035-8921	3" x ½"	88.9 x 21.3	30.5	20	152	62	50	48	M12x75
IGN-035-8927	3" x ¾"	88.9 x 26.9	30.5	20	152	62	50	48	M12x75
IGN-035-8934	3" x 1"	88.9 x 33.7	38.0	20	152	69	50	76	M12x75
IGN-035-8942	3" x 1¼"	88.9 x 42.4	44.5	20	152	75	50	79	M12x75
IGN-035-8948	3" x 1½"	88.9 x 48.3	51.0	20	152	83	50	79	M12x75
IGN-035-8960	3" x 2"	88.9 x 60.3	64.0	20	152	95	50	79	M12x75
IGN-035-11421	4" x ½"	114.3 x 21.3	30.5	20	179	66	63	48	M12x75
IGN-035-11427	4" x ¾"	114.3 x 26.9	30.5	20	179	66	63	48	M12x75
IGN-035-11434	4" x 1"	114.3 x 33.7	38.0	20	179	69	63	87	M12x75
IGN-035-11442	4" x 1¼"	114.3 x 42.4	44.5	20	179	75	63	88	M12x75



Mechanical Tee for Accessories

IGN-035 Series
300PSI | 20 bar



REFERENCES | CHARACTERISTICS

Reference	Nominal Diameter (mm)	Pipe O.D. (mm)	Hole Diameter (mm)	Max. Working Pressure (bar)	Dimensions (mm)				Bolt Size (mm)
					Y	V	W	Z	
IGN-035-11448	4" x 1½"	114.3 x 48.3	51.0	20	179	83	63	88	M12x75
IGN-035-11460	4" x 2"	114.3 x 60.3	64.0	20	179	95	63	92	M12x75
IGN-035-11476	4" x 2½"	114.3 x 76.1	70.0	20	179	106	63	98	M12x75
IGN-035-11489	4" x 3"	114.3 x 88.9	89.0	20	179	126	63	100	M12x75
IGN-035-13934	5" x 1"	139.7 x 42.4	38.0	20	222	69	76	99	M16x90
IGN-035-13942	5" x 1¼"	139.7 x 48.3	44.5	20	222	75	76	101	M16x90
IGN-035-13948	5" x 1½"	139.7 x 48.3	51.0	20	222	83	76	101	M16x90
IGN-035-13960	5" x 2"	139.7 x 60.3	64.0	20	222	95	76	105	M16x90
IGN-035-16834	6" x 1"	168.3 x 33.7	38.0	20	253	69	91	115	M16x90
IGN-035-16842	6" x 1¼"	168.3 x 42.4	44.5	20	253	75	91	116	M16x90
IGN-035-16848	6" x 1½"	168.3 x 48.3	51.0	20	253	83	91	116	M16x90
IGN-035-16860	6" x 2"	168.3 x 60.3	64.0	20	253	95	91	120	M16x90
IGN-035-16876	6" x 2½"	168.3 x 76.1	70.0	20	253	106	91	125	M16x90
IGN-035-16889	6" x 3"	168.3 x 88.9	89.0	20	253	126	91	125	M16x90
IGN-035-168114	6" x 4"	168.3 x 114.3	114.0	20	253	154	91	126	M16x90
IGN-035-21934	8" x 1"	219.1 x 33.7	38.0	20	152	142	123	328	M20x115
IGN-035-21942	8" x 1¼"	219.1 x 42.4	44.5	20	152	144	123	328	M20x115
IGN-035-21948	8" x 1½"	219.1 x 48.3	51.0	20	152	145	123	328	M20x115
IGN-035-21960	8" x 2"	219.1 x 60.3	64.0	20	152	148	123	328	M20x115
IGN-035-21976	8" x 2½"	219.1 x 76.1	70.0	20	152	152	123	328	M20x115
IGN-035-21989	8" x 3"	219.1 x 88.9	89.0	20	152	155	123	328	M20x115
IGN-035-219114	8" x 4"	219.1 x 114.3	114.0	20	154	162	123	328	M20x115



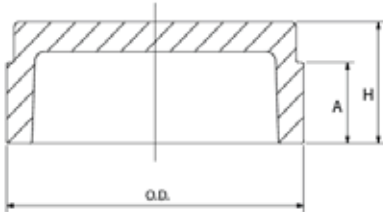
Grooved Cap

IGN-036 Series
300 PSI | 20 bar



FEATURES & SPECIFICATIONS

- Housing material: Ductile iron in accordance with **ASTM A-536, Grade 65-45-12**
- Maximum working pressure:: **300 PSI | 20 bar**
- Finish: Electrostatic powder epoxy coating, **RAL3000** (Optional: hot-dip galvanized or other finishes available)
- Size range: **DN25 to DN200 (1" to 8")**



REFERENCES | CHARACTERISTICS

Reference	Nominal Size (mm)	Nominal Size (inch)	Pipe O.D. (mm)	Max. Working Pressure (bar)	T
					(mm/inch)
IGN-036-34	25	1"	33.7	20	27.0 1.060
IGN-036-42	32	1¼"	42.4	20	27.0 1.060
IGN-036-48	40	1½"	48.3	20	27.0 1.060
IGN-036-60	50	2"	60.3	20	29.0 1.142
IGN-036-76	65	2½"	76.1	20	29.0 1.142
IGN-036-89	80	3"	88.9	20	31.0 1.221
IGN-036-114	100	4"	114.3	20	33.0 1.299
IGN-036-139	125	5"	139.7	20	35.0 1.378
IGN-036-168	150	6"	168.3	20	35.0 1.378
IGN-036-219	200	8"	219.1	20	43.0 1.693
IGN-036-273	250	10"	273.0	20	50.0 1.969
IGN-036-324	300	12"	323.9	20	50.0 1.969



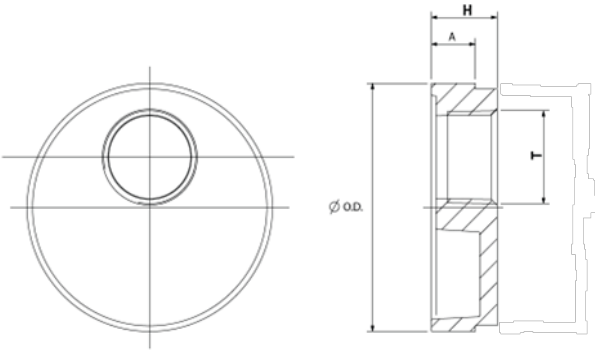
Grooved End Cap with Eccentric Outlet

IGN-037 Series
300 PSI | 20 bar



FEATURES & SPECIFICATIONS

- Material del cuerpo: Hierro dúctil conforme a **ASTM A-536, grado 65-45-12**
- Presión máxima de trabajo: **300 PSI | 20 bar**
- Acabado: recubrimiento epoxi en polvo con aplicación electrostática **RAL3000** (opcional: galvanizado en caliente y otros acabados)



REFERENCES | CHARACTERISTICS

Reference	Nominal Size (mm)	Pipe O.D. (mm)	Max. Working Pressure (bar)	T (mm/inch)
IGN-037-6034	2" x 1"	60.3 x 33.7	20	2" x 1"
IGN-037-6042	2" x 1¼"	60.3 x 42.4	20	2" x 1¼"
IGN-037-6048	2 x 1½"	60.3 x 48.3	20	2 x 1½"
IGN-037-7634	2½" x 1"	76.1 x 33.7	20	2½" x 1"
IGN-037-7642	2½" x 1¼"	76.1 x 42.4	20	2½" x 1¼"
IGN-037-7648	2½" x 1½"	76.1 x 48.3	20	2½" x 1½"
IGN-037-7660	2½" x 2"	76.1 x 60.3	20	2½" x 2"
IGN-037-8934	2½" x 1"	88.9 x 33.7	20	2½" x 1"
IGN-037-8942	3" x 1¼"	88.9 x 42.4	20	3" x 1¼"
IGN-037-8948	3" x 1½"	88.9 x 48.3	20	3" x 1½"
IGN-037-8960	3" x 2"	88.9 x 60.3	20	3" x 2"
IGN-037-11442	4" x 1¼"	114.3 x 42.4	20	4" x 1¼"
IGN-037-11448	4" x 1½"	114.3 x 48.3	20	4" x 1½"
IGN-037-11460	4" x 2"	114.3 x 60.3	20	4" x 2"
IGN-037-13960	5" x 2"	139.7 x 60.3	20	5" x 2"
IGN-037-16860	6" x 2"	168.3 x 60.3	20	6" x 2"
IGN-037-21960	8" x 2"	219.1 x 60.3	20	8" x 2"



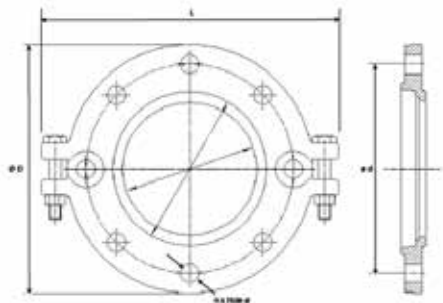
Grooved Flange

IGN-038 Series
300 PSI | 20 bar



FEATURES & SPECIFICATIONS

- Housing material: Ductile iron in accordance with **ASTM A-536, Grade 65-45-12**
- Maximum working pressure: **300 PSI | 20 bar**
- Coupling gasket: **EPDM** (Optional: NBR nitrile, silicone, or other materials)
- Bolts and nuts: Heat-treated and electro-galvanized bolts with oval neck and high-strength hexagonal nuts. Track-head bolt design complying with the physical and chemical requirements of ASTM A-449and the physical requirements of ASTM A-183.
- Finish: Electrostatic powder epoxy coating, **RAL3000** (Optional: hot-dip galvanized or other finishes available)
- Size range: **DN50 to DN300 (2" to 12")**

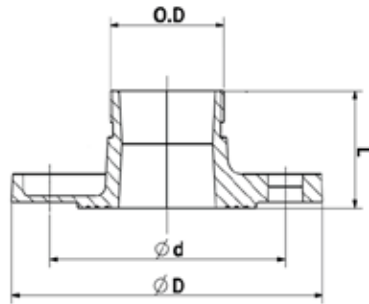


REFERENCES | CHARACTERISTICS

Reference	Nominal Diameter (mm)	Pipe O.D. (mm)	Hole Diameter (mm)	Max.Working Pressure (bar)	Max. End Load (N)	Flange Diameter (mm)	Dimensions (mm) X Y Z	Flange Holes (mm)	Bolt Size (mm)
IGN-038-60	50	2"	60.3	20	9852	125	165 207 22	4 M18	M10x70
IGN-038-76	65	2½"	76.1	20	15692	145	185 230 22	4 M18	M10x70
IGN-038-89	80	3"	88.9	20	21415	160	200 246 22	8 M18	M10x70
IGN-038-114	100	4"	114.3	20	35400	191	229 276 24	8 M18	M10x70
IGN-038-139	125	5"	139.7	20	52880	210	254 300 24	8 M18	M10x70
IGN-038-168	150	6"	168.3	20	76750	240	285 341 26	8 M22	M12x75
IGN-038-219	200	8"	219.1	20	103680	298	343 400 28	12 M22	M12x75
IGN-038-273	250	10"	273.0	20	146340	362	410 471 30	12 M25	M12x85
IGN-038-324	300	12"	323.9	20	205990	432	480 541 30	12 M26	M12x85

Grooved Flange Adapter

IGN-039 Series
300 PSI | 20 bar



FEATURES & SPECIFICATIONS

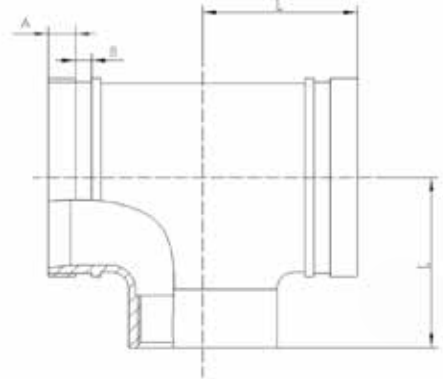
- Housing material: Ductile iron in accordance with **ASTM A-536, Grade 65-45-12**
- Maximum working pressure: **300 PSI | 20 bar**
- Finish: Electrostatic powder epoxy coating, **RAL3000** (Optional: hot-dip galvanized or other finishes available)
- Size range: **DN50 to DN300 (2" to 12")**

REFERENCES | CHARACTERISTICS

Reference	Nominal Size (mm)	Nominal Size (inch)	Pipe O.D. (mm)	Max.Working Pressure (bar)	End-to-End (E-E) (mm)	Flange Diameter (mm)	Dimensions (mm)			Flange Holes (mm)
							X	Y	Z	
IGN-039-60	50	2"	60.3	20	60	125	165	121	15	4 M18
IGN-039-76	65	2½"	76.1	20	60	145	182	140	15	4 M18
IGN-039-89	80	3"	88.9	20	60	200	199	153	15	8 M18
IGN-039-114	100	4"	114.3	20	70	229	227	191	18	8 M18
IGN-039-139	125	5"	139.7	20	70	254	250	210	19	8 M22
IGN-039-168	150	6"	168.3	20	70	285	285	40	19	8 M22
IGN-039-219	200	8"	219.1	20	75	343	345	295	19	12 M22
IGN-039-273	250	10"	273.0	20	90	410	405	362	22	12 M25

Reducing Threaded Tee

IGN-040 Series
300 PSI | 20 bar



FEATURES & SPECIFICATIONS

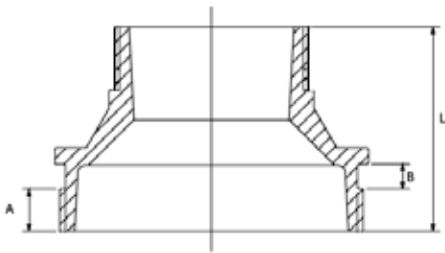
- Housing material: Ductile iron in accordance with **ASTM A-536, Grade 65-45-12**
- Maximum working pressure: **300 PSI | 20 bar**
- Finish: Electrostatic powder epoxy coating, **RAL3000** (Optional: hot-dip galvanized or other finishes available)

REFERENCES | CHARACTERISTICS

Reference	Nominal Diameter (inch)	Pipe O.D. (mm)	Max. Working Pressure (bar)	Center-to-End (C-E) (mm/inch)
IGN-040-6042	2" x 1¼"	60.3 x 42.4	20	70.0 2.75
IGN-040-6048	2 x 1½"	60.3 x 48.3	20	70.0 2.75
IGN-040-7634	2½" x 1"	76.1 x 33.7	20	76.0 3.00
IGN-040-7642	2½" x 1¼"	76.1 x 42.4	20	76.0 3.00
IGN-040-7648	2½" x 1½"	76.1 x 48.3	20	76.0 3.00
IGN-040-7660	2½" x 2"	76.1 x 60.3	20	76.0 3.00
IGN-040-8934	3" x 1"	88.9 x 33.7	20	86.0 3.40
IGN-040-8942	3" x 1¼"	88.9 x 42.4	20	86.0 3.40
IGN-040-8948	3" x 1½"	88.9 x 48.3	20	86.0 3.40
IGN-040-8960	3" x 2"	88.9 x 60.3	20	86.0 3.40
IGN-040-8976	3" x 2½"	88.9 x 76.1	20	86.0 3.40
IGN-040-11434	4" x 1"	114.3 x 33.7	20	102.0 4.00
IGN-040-11442	4" x 1¼"	114.3 x 42.4	20	102.0 4.00
IGN-040-11448	4" x 1½"	114.3 x 48.3	20	102.0 4.00
IGN-040-11460	4" x 2"	114.3 x 60.3	20	102.0 4.00
IGN-040-11476	4" x 2½"	114.3 x 76.1	20	102.0 4.00
IGN-040-11489	4" x 3"	114.3 x 88.9	20	102.0 4.00
IGN-040-13942	5" x 1"	139.7 x 33.7	20	124.0 4.88
IGN-040-13948	5" x 1½"	139.7 x 48.3	20	124.0 4.88
IGN-040-13960	5" x 2"	139.7 x 60.3	20	124.0 4.88
IGN-040-13976	5" x 2½"	139.7 x 76.1	20	124.0 4.88
IGN-040-13989	5" x 3"	139.7 x 88.9	20	124.0 4.88
IGN-040-16848	6" x 1½"	168.3 x 48.3	20	140.0 5.50
IGN-040-16860	6" x 2"	168.3 x 60.3	20	140.0 5.50
IGN-040-16876	6" x 2½"	168.3 x 76.1	20	140.0 5.50
IGN-040-16889	6" x 3"	168.3 x 88.9	20	140.0 5.50
IGN-040-21960	8" x 2"	219.1 x 60.3	20	173.0 6.80
IGN-040-21976	8" x 2½"	219.1 x 76.1	20	173.0 6.80
IGN-040-21989	8" x 3"	219.1 x 88.9	20	173.0 6.80
IGN-040-219114	8" x 4"	219.1 x 114.3	20	173.0 6.80

Grooved Reducer with Threaded Outlet

IGN-041 Series
300 PSI | 20 bar



FEATURES & SPECIFICATIONS

- Housing material: Ductile iron in accordance with **ASTM A-536, Grade 65-45-12**
- Maximum working pressure: **300 PSI | 20 bar**
- Finish: Electrostatic powder epoxy coating, **RAL3000**
(Optional: hot-dip galvanized or other finishes available)

REFERENCES | CHARACTERISTICS

Reference	Nominal Diameter (inch)	Pipe O.D. (mm)	Max. Working Pressure (bar)	End-to-End (E-E) (mm/inch)
IGN-041-4234	1¼" x 1"	42.4 x 33.7	20	64.0 2.50
IGN-041-4834	1½" x 1"	48.3 x 33.7	20	64.0 2.50
IGN-041-4842	1½" x 1¼"	48.3 x 42.4	20	64.0 2.50
IGN-041-6034	2" x 1"	60.3 x 33.7	20	64.0 2.50
IGN-041-6042	2" x 1¼"	60.3 x 42.4	20	64.0 2.50
IGN-041-6048	2 x 1½"	60.3 x 48.3	20	64.0 2.50
IGN-041-7642	2½" x 1¼"	76.1 x 42.4	20	64.0 2.50
IGN-041-7648	2½" x 1½"	76.1 x 48.3	20	64.0 2.50
IGN-041-7660	2½" x 2"	76.1 x 60.3	20	64.0 2.50
IGN-041-8942	3" x 1¼"	88.9 x 42.4	20	64.0 2.50
IGN-041-8948	3" x 1½"	88.9 x 48.3	20	64.0 2.50
IGN-041-8960	3" x 2"	88.9 x 60.3	20	64.0 2.50
IGN-041-8976	3" x 2½"	88.9 x 76.1	20	64.0 2.50
IGN-041-11442	4" x 1¼"	114.3 x 42.4	20	76.0 3.00
IGN-041-11448	4" x 1½"	114.3 x 48.3	20	76.0 3.00
IGN-041-11460	4" x 2"	114.3 x 60.3	20	76.0 3.00
IGN-041-11476	4" x 2½"	114.3 x 76.1	20	76.0 3.00



Valves



BUTTERFLY VALVES

GATE VALVES

PRESSURE REDUCING VALVES

CHECK VALVES

FILTERS

AIR RELEASE VALVES

2.



Grooved Butterfly Valve

IGN-100 Series
300 PSI | 20 bar

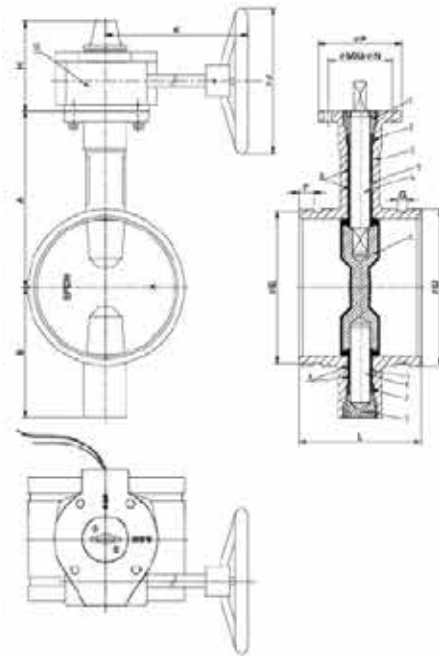


FEATURES & SPECIFICATIONS

- Manual handwheel operation
- Equipped with visual position indicator and supervisory switch
- Groove standard: AWWA C606
- Pressure standards: Compliant with FM 1112 | UL 1091 | ULC / ORD-C1091
- Maximum working pressure: 300 PSI
- Hydrostatic test pressure: 600 PSI
- Operating temperature range: 0°C to 80°C
- Finish: Electrostatic powder epoxy coating, RAL 3000
- Disc: Ductile iron with EPDM encapsulation

MATERIALS

No.	Description	Material
1	Upper stem nut	ASTM A216 WCB
2	Stem seal	EPDM
3	Body	Ductile iron
4	Upper stem	Stainless steel 416
5	Disc / Rubber seat	Ductile iron / EPDM
6	Lower stem	Stainless steel 416
7	Lower stem nut	ASTM A216 WCB
8	Stem bushing	PTFE / Aluminum bronze
9	O-ring	EPDM
10	Gearbox	



REFERENCES | DIMENSIONS

Reference	Size (inch)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	K (mm)		J (mm)	P (mm)	M (mm)	N (mm)	d (mm)	L (mm)	
IGN-100-50	2"	110	85	36	60.3	57.15	15.9	110	111	153	218	127	86	90	70	9	10	81
																		88
IGN-100-65	2 1/2"	125	95	32	76.1	72.3	15.9	110	111	153	218	152	90	70	9	10	96.4	
IGN-100-80	3"	140	100	32	88.9	84.9	15.9	110	111	153	218	152	90	70	9	11	97	
IGN-100-100	4"	160	100	32	114.3	110.1	15.9	110	111	153	218	152	90	70	9	14	115.1	
IGN-100-125	5"	170	125	32	139.7	135.5	15.9	110	111	153	218	152	90	70	9	14	132.4	
IGN-100-150	6"	190	140	32	168.3	164	15.9	110	111	153	218	200	90	70	9	16	148	
IGN-100-200	8"	230	175	32	219.1	214.5	19	110	126	210	232	300	125	102	12	19	133	
IGN-100-250	10"	260	200	63	273	268.3	19	110	161	249		350	125	102	12	30.5	159	
IGN-100-300	12"	300	240	77	323.8	318.3	19	110	161	249		350	150	125	14	33	165	



Grooved Bronze Butterfly Valve

IGN-101 Series
300 PSI | 20 bar

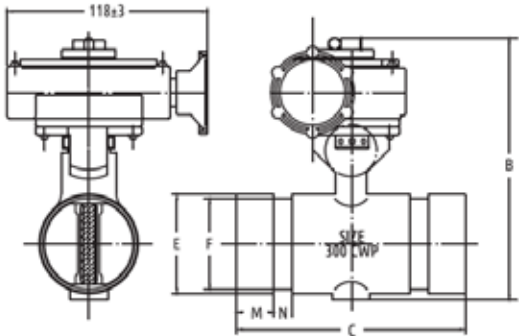


FEATURES & SPECIFICATIONS

- Equipped with UL Listed tamper-resistant dual supervisory switches
- Handwheel-operated valve with gear operator and limit switch
- Groove standard: AWWA C606
- Maximum working pressure: 300 PSI
- Hydrostatic test pressure: 600 PSI
- Maximum operating temperature: 120°C
- Suitable for indoor and outdoor installations

MATERIALS

Description	Material
Body	Bronze C83600 / ASTM B62
Disc	AISI 304 Stainless Steel
Handwheel	Cast Carbon Steel WCB / ASTM A216
Seat	Fluorocarbon Elastomer (Viton)
Indicator	Galvanized Steel
Housing	Forged Brass



REFERENCES | DIMENSIONS

Reference	Size (inch)	B (mm)	C (mm)	ØE (mm)	ØF (mm)	M (mm)	N (mm)
IGN-101-32	1 1/4" 32	138.9	98	42.4	38.99	15.88	7.95
IGN-101-40	1 1/2" 40	145.9	102	48.3	45.09	15.88	7.95
IGN-101-50	2" 50	159	104	60.3	57.15	15.88	7.95
IGN-101-65	2 1/2" 65	175.5	114	73	69.09	15.88	7.95

Threaded Bronze
Butterfly Valve

serie IGN-102
300 PSI | 20 bar

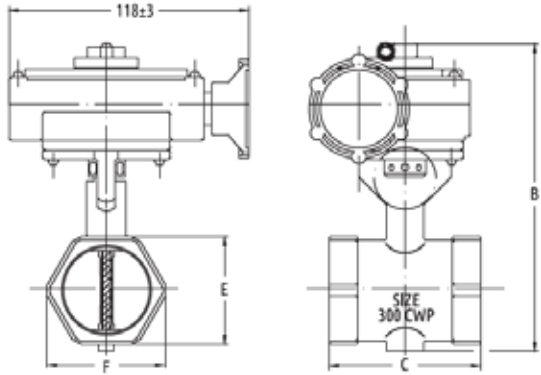


FEATURES & SPECIFICATIONS

- Equipped with UL Listed tamper-resistant dual supervisory switches
- Handwheel-operated valve with gear operator and limit switch
- Thread standard: NPT | BSPT
- Maximum working pressure: 300 PSI
- Hydrostatic test pressure: 600 PSI
- Maximum operating temperature: 120°C
- Suitable for indoor and outdoor installations

MATERIALS

Description	Material
Body	Bronze C83600 / ASTM B62
Disc	AISI 304 Stainless Steel
Handwheel	Cast Carbon Steel WCB / ASTM A216
Seat	Fluorocarbon Elastomer (Viton)
Indicator	Galvanized Steel
Housing	Forged Brass



REFERENCES | DIMENSIONS

Reference	Size (inch mm)	B (mm)	C (mm)	E (mm)	F (mm)
IGN-102-25	1" 25	129	54	39.7	44.5
IGN-102-32	1¼" 32	137.9	66.7	49.2	55
IGN-102-40	1½" 40	145.9	73	55.6	60.3
IGN-102-50	2" 50	159.8	82.6	70	79
IGN-102-65	2½" 65	175.5	114	86.5	96

Grooved Lever
Butterfly Valve

IGN-103 Series
300 PSI | 20 bar



FEATURES & SPECIFICATIONS

- Equipped with visual position indicator and supervisory switch
- Groove standard: AWWA C606
- Design and testing standards: FM 1112 | UL 1091 | ULC | ORD-C1091
- Maximum working pressure: 300 PSI
- Hydrostatic test pressure: 600 PSI
- Operating temperature range: 0°C to 80°C
- Finish: Electrostatic powder epoxy coating, RAL3000
- Ductile iron disc encapsulated in EPDM

MATERIALS

No.	Description	Material
1	Upper Stem Nut	ASTM A216 WCB
2	Stem Seal	EPDM
3	Body	fundición dúctil
4	Upper Stem	acero inoxidable 416
5	Disc / Rubber Seat	fundición dúctil / EPDM
6	Lower Stem	acero inoxidable 416
7	Lower Stem Nut	ASTM A216 WCB
8	Stem Bushing	PTFE / bronce aluminio
9	O-Ring	EPDM
10	Gearbox	

REFERENCES | DIMENSIONS

Reference	Size (inch)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	K (mm)	P (mm)	M (mm)	N (mm)	d (mm)	L (mm)
IGN-103-50	2"	110	85	32	60.3	57.2	15.9	7.9	32	267	90	70	9	10	81
IGN-103-65	2½"	125	95	32	76.1	72.3	15.9	7.9	32	267	90	70	9	10	96.4
IGN-103-80	3"	140	100	32	88.9	84.9	15.9	7.9	32	267	90	70	9	11	97
IGN-103-100	4"	160	100	32	114.3	110.1	15.9	9.5	32	267	90	70	9	14	115.1
IGN-103-125	5"	170	125	32	139.7	135.5	15.9	9.5	32	267	90	70	9	14	148
IGN-103-150	6"	190	140	32	168.3	164	15.9	9.5	32	267	90	70	9	16	148
IGN-103-200	8"	230	175	32	219.1	214.4	19	11.1	37	353	125	102	12	19	148

WAFER
Butterfly Valve

IGN-104 Series



FEATURES & SPECIFICATIONS

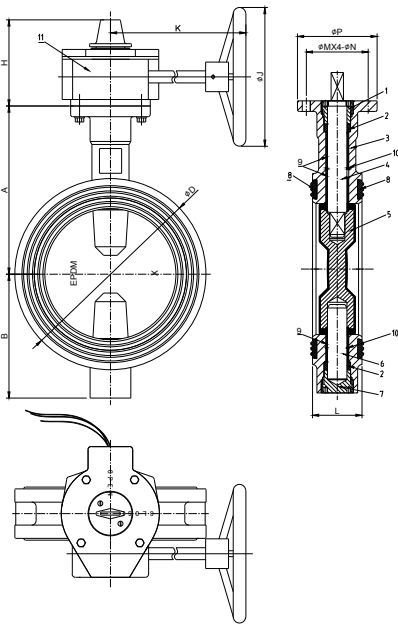
- Manual handwheel operation
- Equipped with visual position indicator and supervisory switch
- Groove standard: AWWA C606
- Pressure rating standards: FM 1112 | UL 1091 | ULC | ORD-C1091
- Maximum working pressure: 300 PSI
- Hydrostatic test pressure: 600 PSI
- Operating temperature range: 0°C to 80°C
- Finish: Electrostatic powder epoxy coating, RAL3000
- Ductile iron disc encapsulated in EPDM

MATERIALS

No.	Description	Material
1	Upper Stem Nut	ASTM A216 WCB
2	Stem Seal	EPDM
3	Body	Ductile Iron
4	Upper Stem	Stainless Steel 416
5	Disc / Rubber Seat	Ductile Iron / EPDM
6	Lower Stem	Stainless Steel 416
7	Lower Stem Nut	ASTM A216 WCB
8	Stem Bushing	PTFE / Aluminum Bronze
9	O-Ring	EPDM
10	Gearbox	

REFERENCES | DIMENSIONS

Reference	Size (inch)	A (mm)	B (mm)	C (mm)	D (mm)	H (mm)	K (mm)			J (mm)	P (mm)	M (mm)	N (mm)	d (mm)	L (mm)
IGN-104-50	2"	110	85	36	100	111	153	218	127	86	90	70	9	10	81
IGN-104-65	2½"	125	95	32	112	111	153		218	152	90	70	9	10	96.4
IGN-104-80	3"	140	100	32	120	111	153		218	152	90	70	9	11	97
IGN-104-100	4"	160	100	32	161	111	153		218	152	90	70	9	14	115.1
IGN-104-125	5"	170	125	32	182	111	153		218	200	90	70	9	16	132.4
IGN-104-150	6"	190	140	32	216	111	210		232	300	125	102	12	19	133
IGN-104-200	8"	230	175	32	260	126		249		350	125	102	12	30.5	159
IGN-104-250	10"	260	200	63	320	161		249		350	150	125	14	33	165
IGN-104-300	12"	300	240	77	375	161		249		350	150	125	14	33	76.9



NRS Flanged
Gate Valve

IGN-105 Series



FEATURES & SPECIFICATIONS

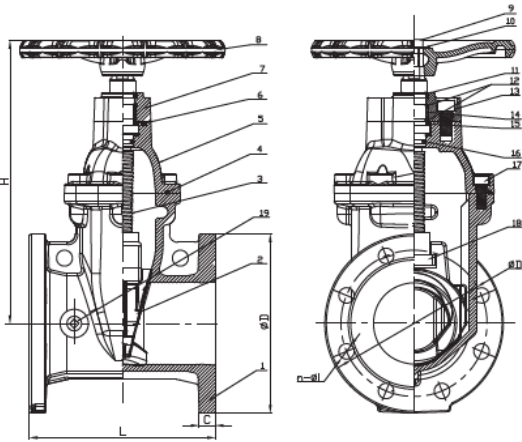
- Manual handwheel operation
- Flange standard: EN1092-1 | PN10/16
- Design and testing standards: FM 1112 | UL 1091 | ULC | ORD-C1091
- Maximum working pressure: 300 PSI
- Hydrostatic test pressure: 600 PSI
- Operating temperature range: 0°C to 100°C
- Finish: Electrostatic powder epoxy coating, RAL3000
- Optional: Position indicator switch

MATERIALS

No.	Description	Material
1	Valve Body	Ductile Iron - ASTM A536 65-45-12
2	Bonnet	Ductile Iron - ASTM A536 65-45-12 EPDM
3	Stem	AISI420 Stainless Steel
4	Bonnet Gasket	EPDM
5	Support	Ductile Iron - ASTM A536 65-45-12
6	O-Ring	NBR
7	Gland	ASTM A216 WCB
8	Handwheel	Ductile Iron - ASTM A536 65-45-12
9	Bolt	Ductile Iron - ASTM A536 65-45-12
10	Flat Washer	Zinc-Plated Carbon Steel
11	Spring Washer	Zinc-Plated Carbon Steel
12	O-Ring	EPDM
13	Nut	NBR
14	Shaft	Zinc-Plated Carbon Steel
15	Cover Gasket	Forged Brass CW671N
16	O-Ring	NBR
17	Bolt	Zinc-Plated Carbon Steel
18	Nut	Brass HPb59-1
19	Plug	Silicon Bronze Alloy ASTM B584

REFERENCES | DIMENSIONS

Reference	Size (inch)	Size (mm)	L (mm)	H (mm)	D (mm)	D1 (mm)	C (mm)	n ØL (mm)
IGN-105-50	2"	50	178	254	152	120.7	16	4 Ø 19.1
IGN-105-65	2½"	65	190	275	178	139.7	17.5	4 Ø 19.1
IGN-105-80	3"	80	203	301	191	152.4	19.1	4 Ø 19.1
IGN-105-100	4"	100	229	355	229	190.5	19.1	8 Ø 19.1
IGN-105-125	5"	125	254	393	254	215.9	19.1	8 Ø 22.2
IGN-105-150	6"	150	267	448	279	241.3	19.1	8 Ø 22.2
IGN-105-200	8"	200	292	548	343	298.5	22.2	8 Ø 22.2
IGN-105-250	10"	250	330	626	406	362	23.8	12 Ø 25.4
IGN-105-300	12"	300	356	722	483	431.8	25.4	12 Ø 25.4



OS&Y Grooved Gate Valve

IGN-106 Series



FEATURES & SPECIFICATIONS

- Manual handwheel operation
- Groove standard: AWWA C606
- Pressure rating standards: FM 1120/1130 | UL 262 | ULC | ORD-262-92
- Maximum working pressure: 300 PSI
- Hydrostatic test pressure: 600 PSI
- Operating temperature range: 0°C to 80°C
- Finish: Electrostatic powder epoxy coating, RAL3000
- Ductile iron disc encapsulated in EPDM



No.	Description	Material
1	Gasket	AISI 304 Stainless Steel
2	Bonnet	Ductile Iron – ASTM A536 Grade 65-45-12
3	Packing	Graphite
4	Disc / Rubber Seat	Ductile Iron / EPDM
5	Body	Ductile Iron – ASTM A536 Grade 65-45-12
6	Sealing Ring	EPDM
7	Bolt	AISI 304 Stainless Steel
8	Gland	Ductile Iron – ASTM A536 Grade 65-45-12
9	Nut	AISI 304 Stainless Steel
10	Flat Washer	AISI 304 Stainless Steel
11	Bolt	AISI 304 Stainless Steel
12	Handwheel	Ductile Iron – ASTM A536 Grade 65-45-12
13	Lock Nut	Copper-Tin Alloy ASTM B148
14	Guide Bolt	AISI 304 Stainless Steel
15	Stem	AISI 304 Stainless Steel
16	Stem Nut	Copper-Tin Alloy ASTM B148
17	Plug	Copper-Tin Alloy ASTM B148
18	Lifting Nut	Copper-Tin Alloy ASTM B148
19	Pin	AISI 304 Stainless Steel
20	Sealing Ring	EPDM

REFERENCES | DIMENSIONS

Reference	Size (inch)	Size (mm)	L (mm)	F (mm)	D (mm)	E (mm)	G (mm)	H (mm)
IGN-106-60	2"	60	178	15.9	60	55.8	7.9	313
IGN-106-76	2½"	76	190	15.9	76.1	72.3	7.9	370
IGN-106-89	3"	89	203	15.9	88.9	84.9	7.9	420
IGN-106-114	4"	114	229	15.9	114.3	110.1	9.5	447
IGN-106-139	5"	139	254	15.9	139.7	135.5	9.5	457
IGN-106-168	6"	168	267	15.9	168.3	163.9	9.5	607
IGN-106-219	8"	219	292	19	219.1	214.3	11.1	754
IGN-106-273	10"	273	330	19	273	268.3	12.7	890
IGN-106-324	12"	324	356	19	323.9	318.3	12.7	1031

OS&Y Flanged Gate Valve

IGN-107 Series



FEATURES & SPECIFICATIONS

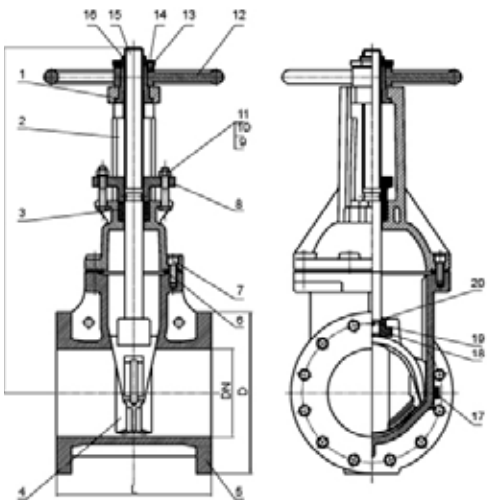
- Manual handwheel operation
- Flange standard: EN1092-1 | PN10/16
- Design standard: ANSI/AWWA C515
- Pressure rating standards: FM 1120/1130 | UL 262 | ULC | ORD-262-92
- Maximum working pressure: 300 PSI
- Hydrostatic test pressure: 600 PSI
- Operating temperature range: 0°C to 80°C
- Finish: Electrostatic powder epoxy coating, RAL3000
- Ductile iron disc encapsulated in EPDM

MATERIALS

No.	Description	Material
1	Gasket	AISI 304 Stainless Steel
2	Bonnet	Ductile Iron – ASTM A536 Grade 65-45-12
3	Packing	Graphite
4	Disc / Rubber Seat	Ductile Iron / EPDM
5	Body	Ductile Iron – ASTM A536 Grade 65-45-12
6	Sealing Ring	EPDM
7	Bolt	AISI 304 Stainless Steel
8	Gland	Ductile Iron – ASTM A536 Grade 65-45-12
9 / 10 / 11	Nut / Washer / Bolt	AISI 304 Stainless Steel
12	Handwheel	Ductile Iron – ASTM A536 Grade 65-45-12
13	Lock Nut	Copper-Tin Alloy ASTM B148
14	Guide Bolt	AISI 304 Stainless Steel
15	Stem	AISI 304 Stainless Steel
16	Stem nut	Copper-Tin Alloy ASTM B148
17	Plug	Copper-Tin Alloy ASTM B148
18	Lifting Nut	Copper-Tin Alloy ASTM B148
19	Pin	AISI 304 Stainless Steel
20	Sealing Ring	EPDM

REFERENCES | DIMENSIONS

Reference	Size (inch)	Size (mm)	L (mm)	F (mm)	D (mm)
IGN-107-50	2"	50	178	152	313
IGN-107-65	2½"	65	190	178	370
IGN-107-80	3"	80	203	191	420
IGN-107-100	4"	100	229	229	447
IGN-107-125	5"	125	254	254	457
IGN-107-150	6"	150	267	279	607
IGN-107-200	8"	200	292	343	754
IGN-107-250	10"	250	330	406	890
IGN-107-300	12"	300	356	483	1031
IGN-107-350	14"	350	419	523	1446
IGN-107-400	16"	400	436	603	1570
IGN-107-450	18"	450	457	672	1776
IGN-107-500	20"	500	508	734	2000





NRS Flanged Gate Valve for Indicator Post

IGN-108 Series



FEATURES & SPECIFICATIONS

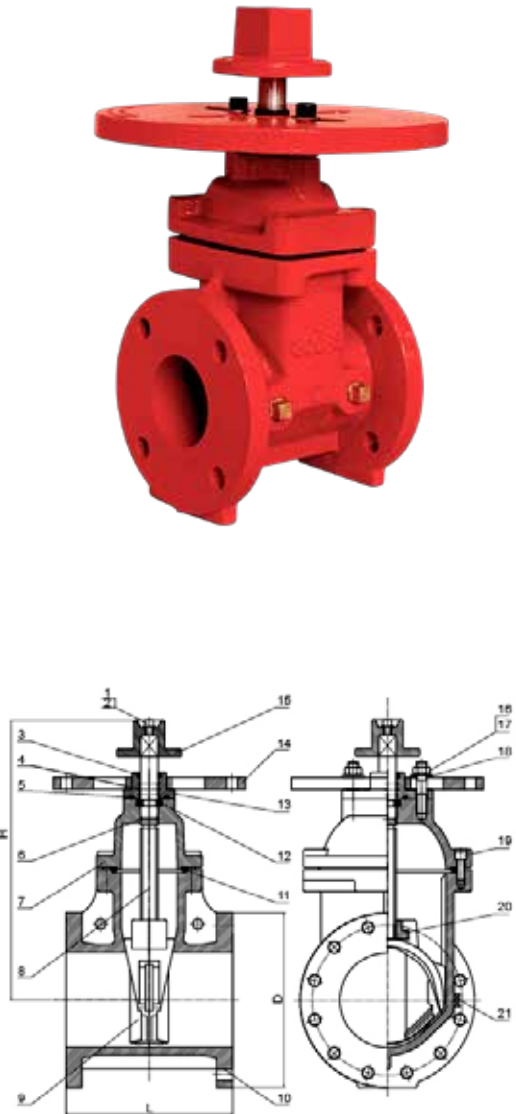
- Flange standard: EN1092-1 | PN10/16
- Design standard: ANSI/AWWA C515
- Pressure rating standards: FM 1120/1130 | UL 262 | ULC | ORD-262-92
- Maximum working pressure: 300 PSI
- Hydrostatic test pressure: 600 PSI
- Operating temperature range: 0°C to 80°C
- Finish: Electrostatic powder epoxy coating, RAL3000
- Ductile iron disc encapsulated in EPDM

MATERIALS

No.	Description	Material
1	Flat Washer	AISI 304 Stainless Steel
2	Hex Socket Screw	AISI 304 Stainless Steel
3	Gland	Ductile Iron – ASTM A536 Grade 65-45-12
4	O-Ring	EPDM
5	Sealing Ring	EPDM
6	O-Ring	EPDM
7	Bonnet	Ductile Iron – ASTM A536 Grade 65-45-12
8	Stem	AISI 304 Stainless Steel
9	Disc / Rubber Seat	Ductile Iron / EPDM
10	Body	Ductile Iron – ASTM A536 Grade 65-45-12
11	Sealing Ring	EPDM
12	Retaining Ring	Copper-Tin Alloy ASTM B148
13	Gland Flange	Ductile Iron – ASTM A536 Grade 65-45-12
14	Base	Ductile Iron – ASTM A536 Grade 65-45-12
15	Coupling Block	Ductile Iron – ASTM A536 Grade 65-45-12
16	Nut	AISI 304 Stainless Steel
17	Bolt	AISI 304 Stainless Steel
18	Washer	Carbon Steel AISI 1045
19	Hex Socket Screw	Carbon Steel AISI 1045
20	Set Screw	Copper-Tin Alloy ASTM B148
21	Plug	Copper-Tin Alloy ASTM B148

REFERENCES | DIMENSIONS

Reference	Size (inch)	DN (mm)	L (mm)	D (mm)	H (mm)
IGN-108-80	3"	80	203	191	322
IGN-108-100	4"	100	229	229	342
IGN-108-125	5"	125	254	254	412
IGN-108-150	6"	150	267	279	448
IGN-108-200	8"	200	292	343	534
IGN-108-250	10"	250	330	406	635
IGN-108-300	12"	300	356	483	720



Reference	Size (inch)
IGN-108-V	Poste indicador vertical
IGN-108-W	Poste indicador horizontal



Bronze Threaded OS&Y Gate Valve

IGN-109 Series

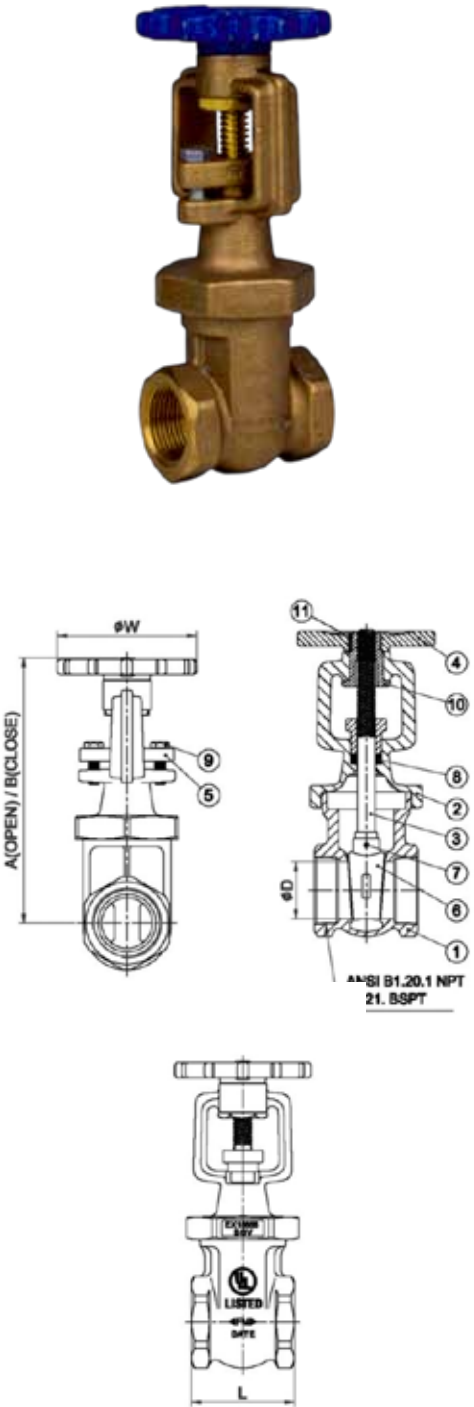


FEATURES & SPECIFICATIONS

- Manual handwheel operation
- Thread standard: BSPT
- Design standard: ANSI/AWWA C515
- Pressure rating standards: FM 1120/1130 | UL 262 | ULC | ORD-262-92
- Maximum working pressure: 317.5 PSI
- Hydrostatic test pressure: 350 PSI
- Operating temperature range: 0°C to 80°C

MATERIALS

No.	Description	Material
1	Body	ASTM C83600 Bronze
2	Bonnet	ASTM C83600 Bronze
3	Stem	Forged Brass
4	Handwheel	Ductile Iron – ASTM A536 Grade 65-45-12
5	Gland	ASTM C83600 Bronze
6	Disc	ASTM C83600 Bronze
7	Disc Pin	AISI 304 Stainless Steel
8	Gland Packing	Graphite
9	Bolt	AISI 1045 Carbon Steel
10	Yoke Bushing	Forged Brass
11	Set Screw	AISI 1045 Carbon Steel



REFERENCES | DIMENSIONS

Reference	Size (inch)	DN (mm)	A (mm)	B (mm)	L (mm)	D (mm)	W (mm)
IGN-109-20	3/4"	20	173	145.5	59	20	80
IGN-109-25	1"	25	196.5	163	69	25	80
IGN-109-32	1 1/4"	32	220.5	181.5	75	32	80
IGN-109-40	1 1/2"	40	243	197	82	37.5	100
IGN-109-50	2"	50	282	227	90.5	50	120



Threaded Pressure Reducing Valve

IGN-110 Series

FEATURES & SPECIFICATIONS

- Female BSP threaded ends according to ISO 228/1
- Pressure standard: EN 1567
- Maximum working pressure: 25 bar
- Maximum operating temperature: 0°C to 80°C
- Adjustment range:
 - DN25 to DN50: 1.0 to 5.5 bar
 - DN65 to DN100: 1.5 to 7.0 bar

MATERIALS

No.	Description	Material
1	Piston Stem	Brass CW614N
2	Spring Adjuster	Brass CW614N
3	Seat	Stainless Steel
4	Seat Seal	EPDM / NBR
5	Piston	Glass Fiber Reinforced Polyamide / Brass CW617N
6	Piston Stop	Stainless Steel / Polyamide / Brass CW617N
7	Pin	Stainless Steel
8	Piston Cap	Brass CW617N
9	Body	Brass CW617N / Brass CB753S
10	O-Ring	EPDM / NBR
11	O-Ring	EPDM / NBR
12	Washer	Stainless Steel
13	Cap	Polyethylene
14	Plug	Glass Fiber Reinforced Polyamide / POM
15	Muelle	Carbon Steel
16	Plug	Brass CW617N / Brass CB753S
17	O-Ring	EPDM / NBR
18	O-Ring	EPDM / NBR

REFERENCES | DIMENSIONS

Reference	Size (inch)	A (mm)	ØB (mm)	C (mm)	L (mm)
IGN-110-25	1"	146	59	73	96
IGN-110-32	1¼"	152	59	73	100
IGN-110-40	1½"	148.5	59	77	91
IGN-110-50	2"	151	59	81	97
IGN-110-65	2½"	263	93	112	148
IGN-110-80	3"	285	98	112	177
IGN-110-100	4"	325	105	124	190



Grooved Pressure Reducing Valve

IGN-111 Series



FEATURES & SPECIFICATIONS

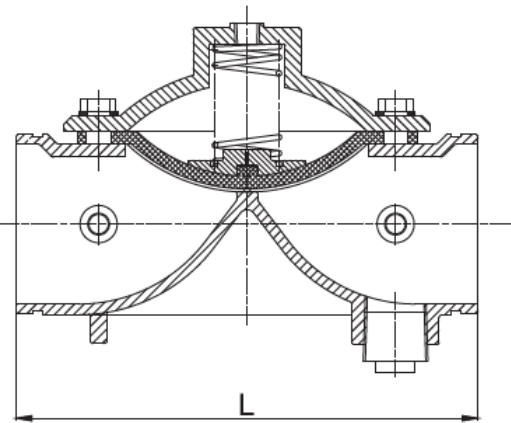
- Pressure adjustment by a single screw
- In-line service
- Groove standard: AWWA C606
- Pressure standard: FM 1362
- Maximum working pressure: 300 PSI
- Hydrostatic test pressure: 600 PSI
- Outlet pressure adjustment range: 65 to 165 PSI

MATERIALS

No.	Description	Material
1	Body	Ductile Iron – ASTM A536 Grade 65-45-12
2	Bonnet	Ductile Iron – ASTM A536 Grade 65-45-12
3	Diaphragm	Nylon / EPDM / NBR
4	Spring Retainer	Ductile Iron – ASTM A536 Grade 65-45-12
5	Spring	AISI 304 Stainless Steel
6	Bolts	ASTM A307 Grade B Carbon Steel
7	Washers	ASTM A307 Grade B Carbon Steel
8	Pilot Pressure Reducing Valve	Bronze
9	Restriction Orifice	AISI 304 Stainless Steel
10	Type "Y" Filter	AISI 304 Stainless Steel
11	Tubing	AISI 304 Stainless Steel

REFERENCES | DIMENSIONS

Reference	Size (inch)	DN (mm)	L (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
IGN-111-50	2"	50	233	38	186	163	208	60
IGN-111-65	2½"	65	290	42	196	178	220	80
IGN-111-80	3"	80	310	45	208	190	235	100
IGN-111-100	4"	100	356	62	221	201	246	115
IGN-111-150	6"	150	436	84	251	212	292	150
IGN-111-200	8"	200	530	122	292	224	324	180



Grooved Check Valve

IGN-112 Series

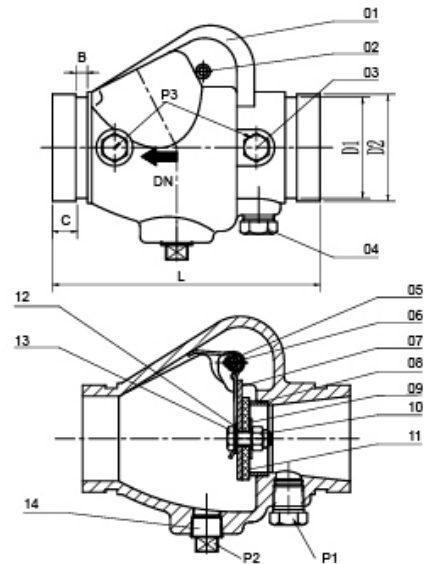


FEATURES & SPECIFICATIONS

- Swing check valve (one-way flow)
- Groove standard: AWWA C606
- NPT connections
- Design standard: ANSI/AWWA C515
- Pressure rating standards: FM 1210 | UL 312
- Maximum working pressure: 350 PSI
- Hydrostatic test pressure: 700 PSI
- Operating temperature range: 0°C to 80°C
- Finish: Electrostatic powder epoxy coating, RAL3000
- Suitable for horizontal and vertical pipeline installations

MATERIALS

No.	Descripción	Material
1	Body	Ductile Iron – ASTM A536 Grade 65-45-12
2	Bolt	AISI 1045 Carbon Steel
3	Plug	AISI 1045 Carbon Steel
4	Plug	AISI 1045 Carbon Steel
5	Spring	AISI 304 Stainless Steel
6	Pin	AISI 304 Stainless Steel / Ductile Iron
7	Clapper	AISI 304 Stainless Steel
8	Seat	Aluminum Bronze ASTM B505
9	Retaining Ring	AISI 304 Stainless Steel
10	Lock Nut	AISI 304 Stainless Steel
11	Face Seal	EPDM
12	Gasket	EPDM
13	Bolt	AISI 1045 Carbon Steel



REFERENCES | DIMENSIONS

Reference	Size (inch)	DN (mm)	A (mm)	B (mm)	L (mm)	D (mm)	W (mm)
IGN-112-60	2"	60	169	57.15	60.3	7.95	15.88
IGN-112-76	2½"	76	181	72.26	76.1	7.95	15.88
IGN-112-89	3"	89	198	84.94	88.9	7.95	15.88
IGN-112-114	4"	114	214	110.08	114.3	9.53	15.88
IGN-112-139	5"	139	248	135.48	139.7	9.53	15.88
IGN-112-168	6"	168	270	163.9	168.3	9.53	15.88
IGN-112-219	8"	219	325	214.4	219.1	11.13	19.05
IGN-112-273	10"	273	457	268.3	273	12.7	19.05
IGN-112-324	12"	324	535	318.3	323.9	12.7	19.05

Grooved WAFER Check Valve

IGN-113 Series

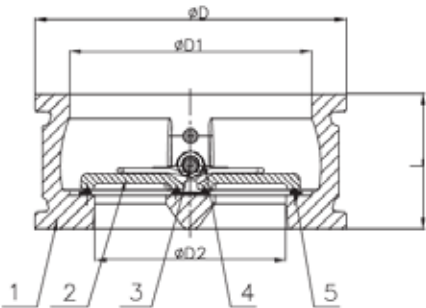


FEATURES & SPECIFICATIONS

- Dual-plate check valve
- Compact design with resilient spring-loaded seat
- Maximum working pressure: 300 PSI
- Hydrostatic test pressure: 600 PSI
- Operating temperature range: -10°C to 80°C
- Finish: Electrostatic powder epoxy coating, RAL3000
- Installed between flanges using two gaskets, compliant with EN1092-1 | PN10/16
- Suitable for indoor and outdoor installations
- Suitable for horizontal and vertical pipeline installations

MATERIALS

No.	Descripción	Material
1	Body	hierro dúctil - ASTM A536 65-45-12
2	Disc	inoxidable AISI304 hierro dúctil bronce aluminio
3	Stem	acero inoxidable AISI420
4	Spring	acero inoxidable AISI304
5	Seat	EPDM



REFERENCES | DIMENSIONS

Reference	Size (inch)	DN (mm)	A (mm)	B (mm)	L (mm)	D (mm)
IGN-113-50	2"	50	54	106	68	46
IGN-113-65	2½"	65	60	127	78	60
IGN-113-80	3"	80	57	134	102	70
IGN-113-100	4"	100	67	162	117	9.53
IGN-113-150	6"	150	95	218	170	134
IGN-113-200	8"	200	127	277	226	184
IGN-113-250	10"	250	140	336	265	220
IGN-113-300	12"	300	181	406	310	260



Grooved Y-Strainer

IGN-114 Series

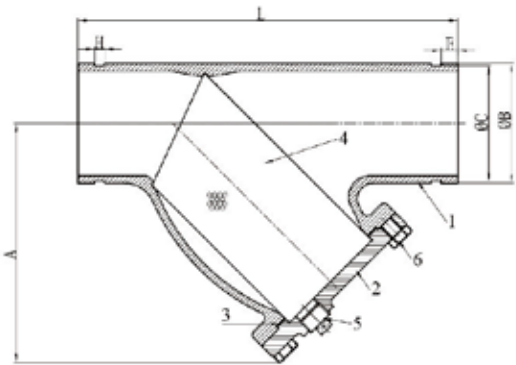


FEATURES & SPECIFICATIONS

- Groove standard: AWWA C606
- Designed and tested in accordance with UL 321
- Maximum working pressure: 300 PSI
- Hydrostatic test pressure: 600 PSI
- Operating temperature range: 0°C to 80°C
- Finish: Electrostatic powder epoxy coating, RAL3000
- Suitable for indoor and outdoor installations
- Suitable for horizontal and vertical pipeline installations

MATERIALS

No.	Descripción	Material
1	Body	Ductile Iron – ASTM A536 Grade 65-45-12
2	Cover	Ductile Iron – ASTM A536 Grade 65-45-12
3	Sealing Gasket	EPDM / Graphite
4	Filter Screen	AISI 304 Stainless Steel
5	Plug	Aluminum Bronze ASTM B505
6	Bolt	AISI 304 Stainless Steel



REFERENCES | DIMENSIONS

Reference	Size (inch)	DN (mm)	L (mm)	A (mm)	ØB (mm)	ØC (mm)	E (mm)	H (mm)
IGN-114-50	2"	50	230	152	60.3	57.15	15.9	7.9
IGN-114-65	2½"	65	273	177	76.1	72.1	15.9	7.9
IGN-114-80	3"	80	299	200	88.9	84.9	15.9	7.9
IGN-114-100	4"	100	362	230	114.3	110.1	15.9	9.5
IGN-114-150	6"	150	470	324	168.3	164	15.9	9.5
IGN-114-200	8"	200	610	394	219.1	214.6	19	11.7
IGN-114-250	10"	250	686	484	273	268.3	19	12.7
IGN-114-300	12"	300	770	561	324	318.3	19	12.7



Automatic Air Release Valve with Threaded Connections

IGN-115 Series

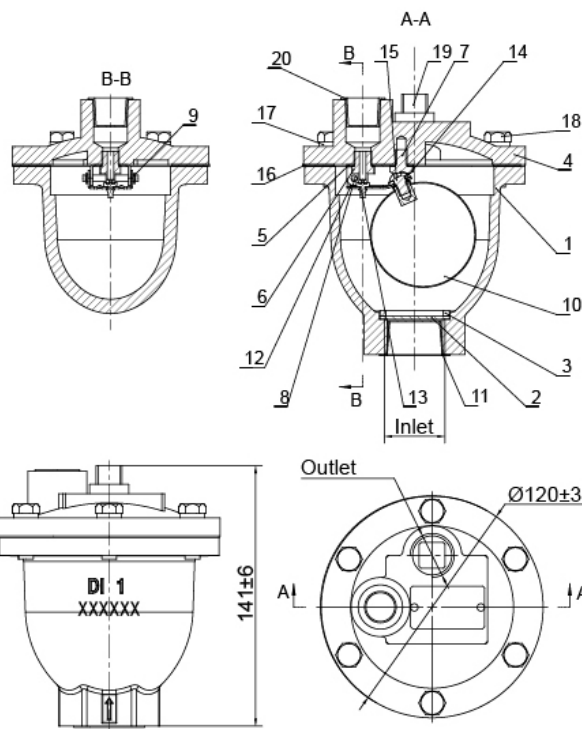


FEATURES & SPECIFICATIONS

- Designed and tested in accordance with UL 2573 | FM 1344
- Maximum working pressure: 175 PSI
- Hydrostatic test pressure: 350 PSI
- Operating temperature range: 0°C to 100°C
- Finish: Electrostatic powder epoxy coating, RAL3000
- Suitable for indoor and outdoor installations
- Ensures excellent sealing performance and air venting at working pressure

MATERIALS

No.	Descripción	Material
1	Body	Ductile Iron – ASTM A536 Grade 65-45-12
2	Filter Screen	AISI 316 Stainless Steel
3	Sealing Gasket	AISI 1045 Stainless Steel
4	Cover	Ductile Iron – ASTM A536 Grade 65-45-12
5	Sleeve Body	AISI 316 Stainless Steel
6	Valve Seat	AISI 316 Stainless Steel
7	Bolt	AISI 316 Stainless Steel
8	Stem	AISI 316 Stainless Steel
9	Type E Retaining Ring	AISI 304 Stainless Steel
10	Float Ball	AISI 316 Stainless Steel
11	Lower Protective Cover	Fluorocarbon Elastomer (Viton)
12	Lever	AISI 316 Stainless Steel
13	Disc	EPDM
14	Spring Washer	AISI 316 Stainless Steel
15	Hex Socket Head Screw	AISI 304 Stainless Steel
16	Closing Gasket	AISI 304 Stainless Steel
17	Spring Washer	AISI 1045 Carbon Steel
18	Bolt	AISI 1045 Carbon Steel
19	Plug	Ductile Iron – ASTM A536 Grade 65-45-12
20	Upper Protective Cover	Fluorocarbon Elastomer (Viton)



REFERENCES | DIMENSIONS

Reference	In (mm)	Out (mm)	L (mm)	D (mm)
IGN-115-00	1" BSPT	½" BSPT	141	120
IGN-115-01	1" BSPT	¾" BSPT	141	120

Switches



VALVE SUPERVISORY SWITCHES

WATER FLOW SWITCHES

PRESSURE SWITCHES

3.



Valve Supervisory Switches

IGN-120 Series



FEATURES & SPECIFICATIONS

- Compatible with valve sizes from 2" to 12"
- Suitable for indoor and outdoor applications
- Adjustable actuator rod for flexible installation
- Two-position supervisory switch for valve status monitoring
- IP67 protection rating
- Operating temperature: -40°C to +60°C

MATERIALS

No.	Descripción	Material
1	Cover	Forged aluminum
2	Base plate	Forged aluminum
3	Actuator rods	Stainless steel 304
4	Housing	Zinc-coated carbon steel
5	Paddle	Polycarbonate

REFERENCES | DIMENSIONS

Reference	Valve Type	Number of Contacts	SPDT Rating
IGN-120-01	OS&Y	1	10A @ 125/250 VAC · 2.5A @ 30 VDC (resistive)
IGN-120-02	OS&Y	2	10A @ 125/250 VAC · 2.5A @ 30 VDC (resistive)
IGN-120-03	Indicator Post	1	10A @ 125/250 VAC · 2.5A @ 30 VDC (resistive)



Water Flow Switches

IGN-121 Series



FEATURES & SPECIFICATIONS

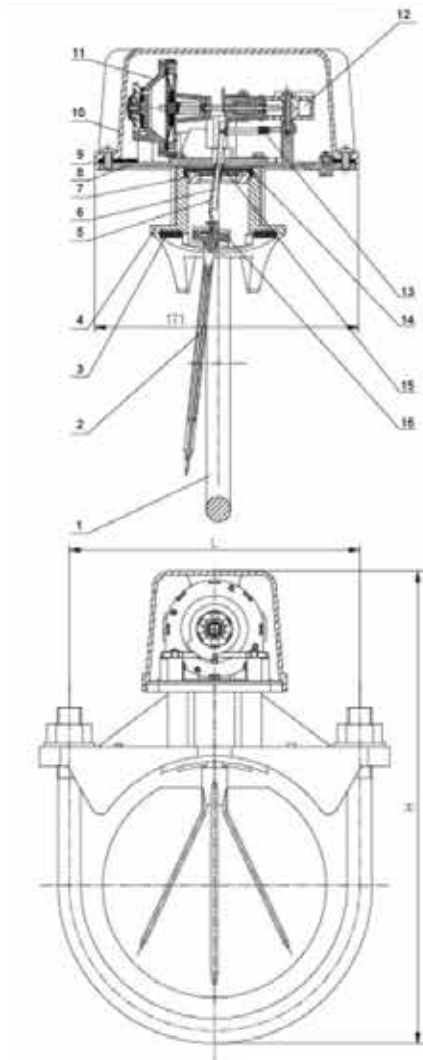
- Pipe size range: DN50–DN250 | 2"–10"
 - Maximum working pressure: 30 bar | 450 PSI
 - Sensitivity:
 1. No alarm: ≤ 15 l/min (UL / FM)
 2. Alarm condition: > 15 l/min and ≤ 75 l/min (FM)
 - Switch contact ratings:
 - 125/250 VAC: 8 A
 - 24 VDC: 3 A
 - 30 VDC: 2.5 A
 - Operating temperature: 0°C to 49°C
- Field-adjustable time delay: 0 to 90 seconds

MATERIALS

No.	Description	Material
1	U-bolt	Carbon steel ASTM A36
2	Paddle	EPDM
3	Sealing gasket	Stainless steel 304
4	Frame	Stainless steel 304
5	Connector	POM
6	Shaft	Stainless steel 304
7	Plastic support	ASTM A216 WCB
8	Base plate	PTFE / Aluminum bronze
9	Dust seal	EVA
10	Outer housing	
11	Gear mechanism	
12	Microswitch	Tin-bronze ASTM B85
13	Threaded spring connector	Stainless steel 304
14	Seal	Stainless steel 304 / EPDM
15	Stainless steel support	Stainless steel 304
16	O-ring	Stainless steel 304

REFERENCES | DIMENSIONS

Reference	Pipe DN (mm)	L (mm)	H (mm)
IGN-121-60	60.3	188	188
IGN-121-76	76.1	200	200
IGN-121-89	88.9	220	220
IGN-121-114	114.3	245	245
IGN-121-139	139.7	272	272
IGN-121-168	168.3	298	298
IGN-121-219	219.1	350	350
IGN-121-273	10"	293	405



Pressure Switches

IGN-122 Series

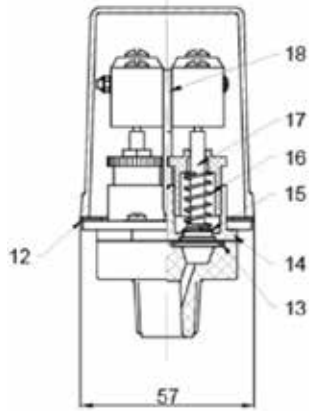
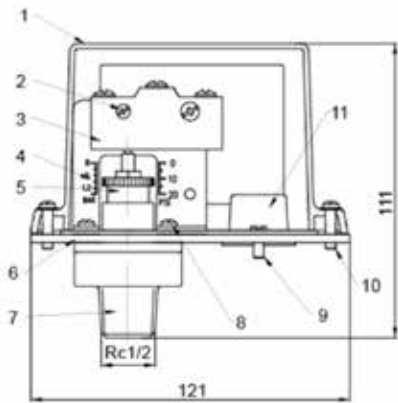


FEATURES & SPECIFICATIONS

- Pressure range: 0.27–6.8 bar (4–100 PSI), depending on model
- Maximum working pressure: 30 bar (450 PSI)
- Available configurations:
 - Single SPDT contact
 - Dual SPDT contacts
- Adjustable pressure setting
- Adjustable differential according to model
- Contact rating:
 - 125/250 VAC: 8 A
 - 24 VDC: 3 A
 - 30 VDC: 2.5 A

MATERIALS

No.	Description	Material
1	Cover	Cast aluminum
2	Screw	Carbon steel ASTM A36
3	Microswitch	---
4	Calibration label	PET
5	Adjusting screw	Nylon
6	Base	Carbon steel ASTM A36
7	Gasket	Nylon
8	Internal galvanized connection screw	Galvanized steel ASTM A29
9	Hex-head slotted screw	Carbon steel ASTM A36
10	Verification screw	Stainless steel ASTM A167
11	Inlet air tube	Low-density polyethylene (LDPE)
12	Seal	EPDM
13	Diaphragm	EPDM
14	Connection base	Nylon
15	Flat washer	Carbon steel ASTM A36
16	Adjusting spring	Carbon steel ASTM A36
17	Actuator	Nylon
18	Bracket	Carbon steel ASTM A36



REFERENCES | TECHNICAL DATA

Reference	Pressure Range		Alarm Setting		Differential		Contacts
	bar	PSI	bar	PSI	bar	PSI	
IGN-122-00	0.27 – 1.38	4 - 20	0.27 – 0.55	4 – 8	0.21	3	1
IGN-122-01	0.27 - 1,38	4 - 20	0.27 – 0.55	4 – 8	0.21 a 0.68	3 a 10	2
IGN-122-02	0.68 – 6.8	10-100	2.1	30			1
IGN-122-03	0.68 – 6.8	10-100	2.1	30	0.41 a 6.8	6 a 100	2

Control Stations



COMPACT CONTROL STATIONS
WET ALARM VALVE STATIONS
DRY ALARM VALVE STATIONS

4.



Compact Control Station with TRIM

IGN-130 Series

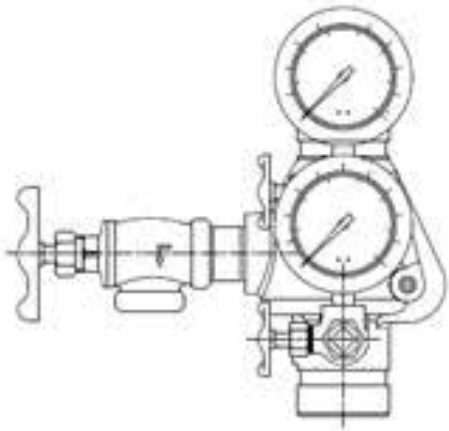


FEATURES & SPECIFICATIONS

- Designed and tested in accordance with UL 312 | FM 1210
- Groove standard: AWWA C606
- Maximum working pressure: 300 PSI
- Operating temperature range: -10°C to 80°C
- Finish: Electrostatic powder epoxy coating

MATERIALS

No.	Description	Material
1	Body	Ductile Iron – ASTM A536 Grade 65-45-12
2	Body Seat Ring	Leaded Bronze ASTM B62
3	Disc	AISI 316 Stainless Steel / EPDM
4	Hinge Spring	AISI 304 Stainless Steel
5	Hinge Pin	AISI 304 Stainless Steel
6	Bolt & Nut	AISI 304 Stainless Steel
7	Drain Valve	Aluminum Bronze ASTM B148
8	Three-Way Valve	Aluminum Bronze ASTM B148
9	Nipple	AISI 304 Stainless Steel



REFERENCES | DIMENSIONS

Reference	modelo	Tamaño (inch)	DN tubería (mm)	L (mm)	H (mm)
IGN-130-60	ranura ranura	2"	60.3	170	75
IGN-131-76	ranura ranura	2½"	76.1	183	80
IGN-131-89	ranura ranura	3"	88.9	198	90
IGN-131-114	ranura ranura	4"	114.3	218	102
IGN-131-139	ranura ranura	5"	139.7	238	112
IGN-131-168	ranura anura	6"	168.3	270	127
IGN-131-219	ranura ranura	8"	219.1	325	160



Wet Alarm Valve Stations

IGN-131 | 132 Series

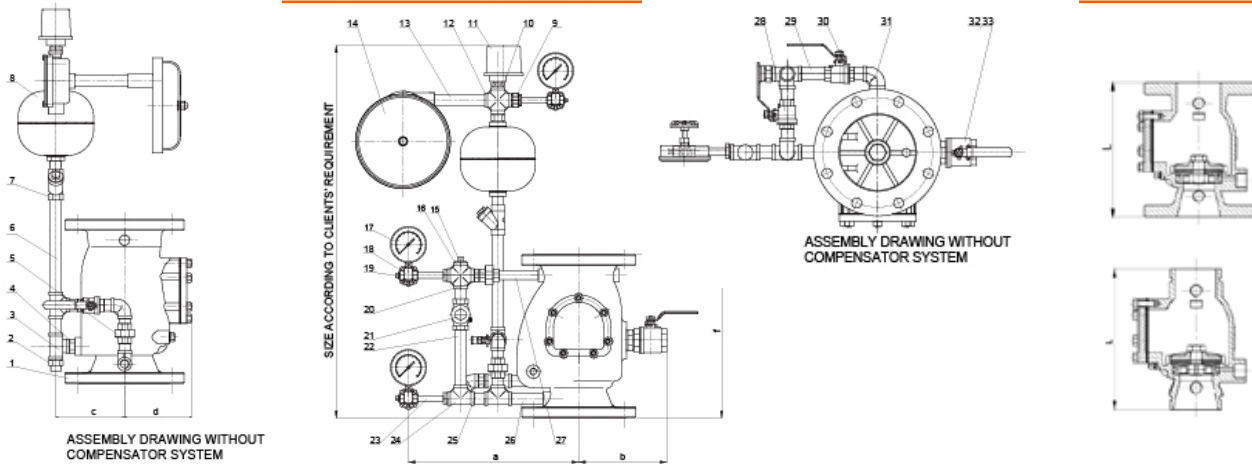


FEATURES & SPECIFICATIONS

- Designed and tested in accordance with UL 193 | FM 1041
- Available in:
 - Flange x Flange: Flange standard EN1092-1 | PN10/16
 - Groove x Groove: Groove standard AWWA C606
- Maximum working pressure: 300 PSI
- Operating temperature range: 4°C to 70°C
- Finish: Electrostatic powder epoxy coating

MATERIALS

No.	Description	Material	No.	Description
1	Body	Ductile Iron	18	Three-Way Valve
2	Retard Orifice	Carbon Steel	19	Plug
3	Tee	AISI 304 Stainless Steel	20	Retard Orifice
4	Nipple	AISI 304 Stainless Steel	21	Check Valve
5	Union	AISI 304 Stainless Steel	22	Nipple
6	Nipple	AISI 304 Stainless Steel	23	Nipple
7	Y-Strainer	AISI 304 Stainless Steel	24	Tee
8	Retard Chamber	Carbon Steel	25	Nipple
9	Reducing Bushing	AISI 304 Stainless Steel	26	Nipple
10	Reducing Bushing	AISI 304 Stainless Steel AISI304	27	Nipple
11	Pressure Gauge	---	28	Ball Valve
12	Cross	AISI 304 Stainless Steel	29	Nipple
13	Nipple	AISI 304 Stainless Steel	30	Ball Valve
14	Gong	---	31	90° Elbow
15	Plug	AISI 304 Stainless Steel	32	Nipple
16	Cross	AISI 304 Stainless Steel	33	Ball Valve
17	Pressure Gauge	---		



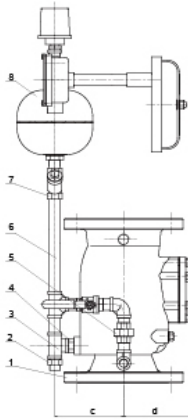
Wet Alarm Valve Stations

IGN-131 | 132 Series

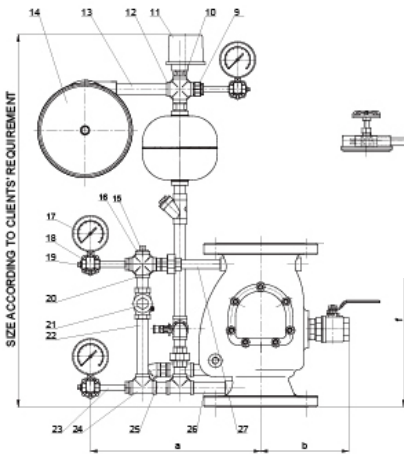


REFERENCES | DIMENSIONS

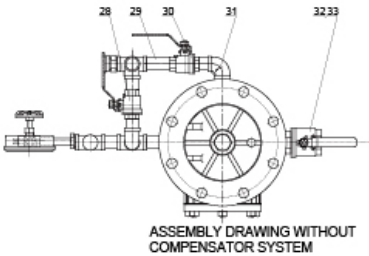
Reference	Model	Size (inch)	Size (mm)	a (mm)	b (mm)	c (mm)	d (mm)	L (mm)
IGN-131-80	Flange Flange	3"	80	80	300	210	375	325
IGN-131-100	Flange Flange	4"	100	100	350	210	375	355
IGN-131-150	Flange Flange	6"	150	150	375	250	345	431
IGN-131-200	Flange Flange	8"	200	200	415	275	325	460
IGN-132-80	Groove Groove	3"	80	80	300	210	375	310
IGN-132-100	Groove Groove	4"	100	100	350	210	375	343
IGN-132-150	Groove Groove	6"	150	150	375	250	345	405
IGN-132-200	Groove Groove	8"	200	200	415	275	325	445



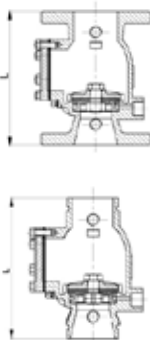
ASSEMBLY DRAWING WITHOUT COMPENSATOR SYSTEM



SIZE ACCORDING TO CLIENT'S REQUIREMENT



ASSEMBLY DRAWING WITHOUT COMPENSATOR SYSTEM



Dry Alarm Valve Stations

IGN-133 | 134 Series

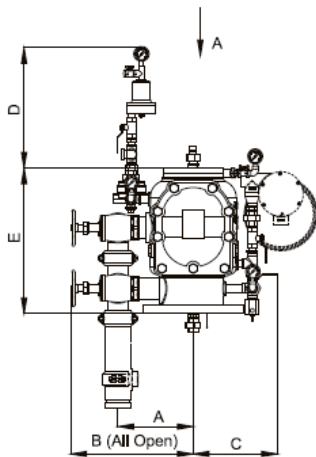


FEATURES & SPECIFICATIONS

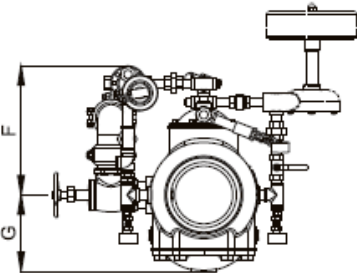
- Designed and tested in accordance with UL 260 | FM 1020-102
- Available in:
 - Flange x Flange: Flange standard EN1092-1 | PN10/16
 - Groove x Groove: Groove standard AWWA C606
- Maximum working pressure: 300 PSI
- Operating temperature range: 4°C to 70°C
- Finish: Electrostatic powder epoxy coating

MATERIALS

No.	Descripción	Material
1	Body	Ductile Iron - ASTM A536 Grade 65-45-12
2	Hinge pin	AISI 304 Stainless Steel
3	Disc	Aluminum Bronze ASTM B148 / EPDM
4	Body Seat	Leaded Bronze ASTM B62
5	Diaphragm	EPDM
9	Latch	Aluminum Bronze ASTM B148



View A



REFERENCES | DIMENSIONS

Reference	Model	Size (inch)	Size (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
IGN-133-80	Flange Flange	3"	80	150	300	210	375	325	265	120
IGN-133-100	Flange Flange	4"	100	180	350	210	375	355	265	135
IGN-133-150	Flange Flange	6"	150	210	375	250	345	431	290	175
IGN-133-200	Flange Flange	8"	200	240	415	275	325	460	310	190
IGN-134-80	Groove Groove	3"	80	150	300	210	375	310	265	120
IGN-134-100	Groove Groove	4"	100	180	350	210	375	343	265	135
IGN-134-150	Groove Groove	6"	150	210	375	250	345	405	290	175
IGN-134-200	Groove Groove	8"	200	240	415	275	325	445	310	190



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