



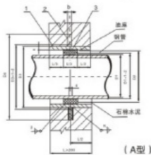
02S404 Rigid Waterproof Casing

Rigid wall penetration casing | Type A / Type B | 02S404 reference

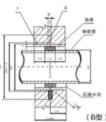


Representative 02S404 rigid waterproof casing

Type A - for steel pipe



Type B - for ductile iron pipe



Key Technical & Supply Data

Website Product Name	02S404 Rigid Waterproof Casing
Reference Standard	02S404 rigid waterproof casing construction reference
Catalog Configurations	Rigid waterproof casing - Type A and Type B
Catalog DN Range	Type A: DN50-DN2000 Type B: DN75-DN1200
Application	Wall penetrations where the pipe is not subject to significant vibration or axial expansion/contraction
Pipe Compatibility	Type A is intended for steel pipe; Type B is intended for ductile iron pipe
Seismic / Movement Note	Where seismic movement is a concern, provide flexible connections near pool walls or external building walls
Wall Requirement	Catalog note requires wall thickness of at least 200 mm; otherwise local thickening is required
Concrete Embedment	Concrete casting zone should extend at least 200 mm beyond the wing-ring diameter, with the casing embedded in one pour
Custom Production	Non-catalog DN, wall thickness, casing length, material and project geometry can be produced to approved drawings

Installation & Fabrication Notes

- Confirm DN, Type A/B, wall thickness, casing length, pipe type and project structural conditions before production.
- Catalog welding reference: JB/T5000.3-1998; manual arc welding with E4303 / J422 electrodes; groove form per GB985-88.
- Final dimensions, materials and coating/finish are subject to order confirmation and/or approved project drawings.



Catalog Main Dimensions & Weight

Exact Mingchao catalog values for the 02S404 rigid waterproof casing. Dimensions are in mm; weight is in kg.
Slash marks are preserved where the source provides no value; no missing numerical values are inferred.

Type A - DN50-DN2000

DN	D1	D2	D3	D4	t	b	k	Weight kg
50	60	80	114	225	3.54	10	4	4.494
65	75.5	95	121	230	3.75	10	4	4.66
80	89	110	140	250	4	10	4	5.33
100	108	130	159	270	4.5	10	5	6.36
125	133	155	180	290	6	10	6	8.33
150	159	180	219	330	6	10	6	10.06
200	219	240	273	385	8	12	8	15.9
250	273	295	325	435	8	12	8	18.68
300	325	345	377	500	10	14	10	27.40
350	377	400	426	550	10	14	10	30.95
400	426	445	480	600	10	14	10	34.35
450	480	500	530	650	10	14	10	37.85

DN	D1	D2	D3	D4	t	b	k	Weight kg
500	530	550	590	730	10	16	10	44.54
600	630	660	690	830	10	16	10	54.50
700	720	750	790	920	10	16	10	61.43
800	820	850	880	1020	10	16	10	69.12
900	920	950	980	1120	10	16	10	76.81
1000	1020	1050	1080	1230	10	16	10	84.50
1200	1220	1250	1290	1430	12	20	12	122.5
1400	1420	1450	1490	1630	12	20	12	141.3
1600	1620	1650	1690	1830	14	20	14	176.4
1800	1820	1850	1900	2040	16	20	16	216.6
2000	2020	2050	2100	2240	16	20	16	239.3

Type B - DN75-DN1200

DN	D1 Cast	D1 Ductile	D2	D3	t	b	k	Weight kg
75	93	/	140	250	4	10	4	5.33
100	118	118	168	280	4.5	10	5	6.27
150	169	170	219	330	6	10	6	10.06
200	220	220	273	385	8	12	8	15.90
250	271.6	274	325	435	8	12	8	18.68
300	322.8	326	377	500	10	14	10	27.40
350	374	378	426	550	10	14	10	30.98
400	425.6	429	480	600	10	14	10	34.35
450	476.8	/	530	650	10	14	10	37.85

DN	D1 Cast	D1 Ductile	D2	D3	t	b	k	Weight kg
500	528	532	590	730	10	16	10	44.54
600	630.8	635	690	830	10	16	10	54.50
700	733	738	790	930	10	16	10	62.19
800	836	842	900	1040	10	16	10	70.65
900	936	945	1000	1140	10	16	10	78.34
1000	1041	1048	1100	1240	10	16	10	104.7
1100	1144	/	1200	1340	20	20	20	114.1
1200	1246	1255	1310	1450	20	20	20	124.4

Catalog & Project Notes

Type A is specified for steel pipe. Type B is specified for ductile iron pipe; the catalog provides separate D1 values for cast-iron and ductile-iron pipe where applicable.

The catalog notes a minimum wall thickness of 200 mm and requires local concrete thickening where this condition is not met. Concrete embedment and weld details must follow the approved project drawing.

For detailed technical requirements, custom configurations or project questions, please contact us.