

WATERPROOFING PVC WATERSTOPS



Guchen®

PVC WATERSTOPS

We are a manufacturer of rubber and plastic products from China. As an industry pioneer and one of the first manufacturer's of polyvinyl chloride (PVC) waterstop Guchen® provides you with the highest quality and most specified waterstop brand on the market. Guchen®'s PVC waterstop has always been made from a proprietary formula that is self-compounded and only produced from prime virgin materials. Because we have a strong supply system here, greatly reduce our production costs, so we can provide you with more competitive price advantage of quality products.

PVC is the industry standard for flexible waterstops, which are typically embedded across and along the joint. PVC is the most versatile waterstop material, offering the broadest design selection. It has great inherent elasticity and is resistant to many waterborne chemicals. It will not discolor concrete or produce electrolytic action.

All Guchen® PVC waterstops are specially formulated and manufactured to meet or exceed industry standard product specifications.

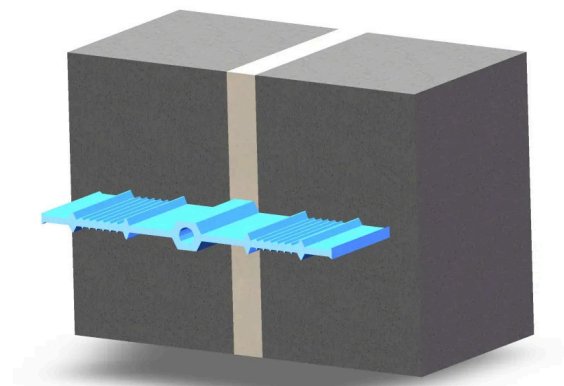
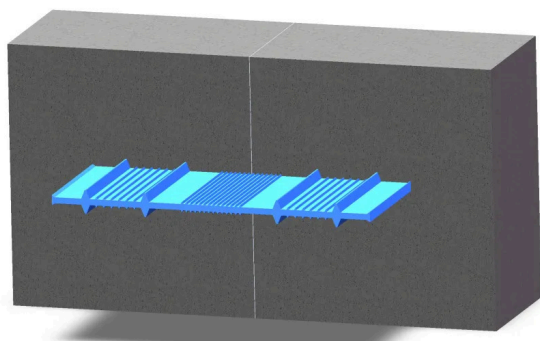
PHYSICAL PROPERTIES

No	Test Item(s)		Units	Technical Requirements
1	Min tensile strength		MPa	10
2	Min ultimate elongation		Percent	200
3	Min tearing strength		KN/m	50
4	Flexability of -25°C		/	No crack
5	Hot air aging experiment (Experimental condition: 80°C, 100Hours)	Appearance (100% elongation)	/	No crack
		Tensile strength retention rate	Percent	80
		Elongation at break retention rate	Percent	70
6	Alkaline resistant Ca(OH) ₂ Saturated solution (168h)	Tensile strength retention rate	Percent	80
		Elongation at break retention rate	Percent	80

PVC WATERSTOPS INTRODUCTION

Embedded in concrete, across and/or along the joint, waterstops form a watertight diaphragm that prevents the passage of liquid through the joint.

Offering a variety of solutions across all categories of waterstops, Guchen has the knowledge and timetested products to meet the most demanding applications.



We will help you choose the most suitable product according to your requirements. When you choose Guchen, we will provide you with the best technology and service.

APPLICATION SITE

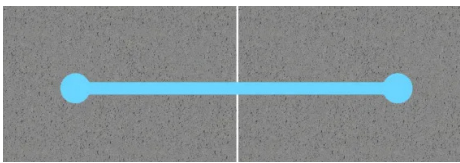
- Water/Waste Water Treatment Plants
- Lock and Dam Systems
- Reservoirs and Aqueducts
- Flood Walls Retaining Walls
- Foundations
- Tunnels and Culverts
- Bridge Abutments
- Containment Structures and Tanks
- Slabs-on-Ground



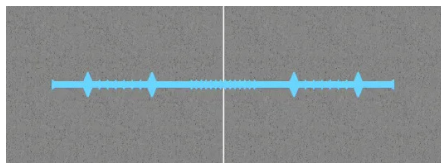
SELECTING A WATERSTOP SHAPE

MOVING AND NON-MOVING JOINTS

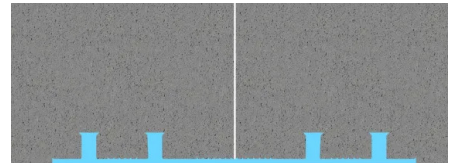
MOVEMENT JOINTS are typically designed to accommodate significant movement due to drying shrinkage, temperature changes, settlement, creep, or live load deflections. The waterstop profile selected must have the ability to accommodate expected joint movement, typically achieved through the use of a centerbulb, tear web, or other suitable waterstop geometry designed to accommodate joint movement. Movement joints typically include contraction joints, expansion joints, and isolation joints. The following profiles are suitable for movement joints:



Dumbbell shapes are an alternate profile for non moving joints. Consider ribbed shapes for better sealing characteristics.

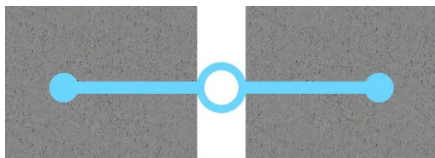


Flat Ribbed shapes are preferred for non-moving joints and provide the best sealing characteristics.

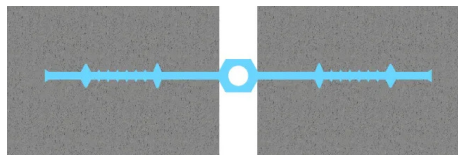


Base Seal is ideal for slab-on grade joints or backfilled walls and are easy to form. Base Seal waterstops have some limitations with transitions and intersections.

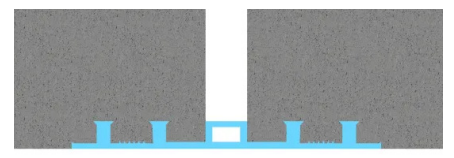
NON-MOVING JOINTS typically have 100% of the bonded steel reinforcement continuous through the joint, and expose the waterstop to negligible or no movement. Flat waterstop profiles without a centerbulb or tear web are suitable for non-moving joints. Other waterstop materials may be considered for non-moving joints as well, such as strip-applied or injectable hose waterstops. Examples of waterstop profiles suitable for non-moving joints are as follows:



Dumbbell with Centerbulb shapes accommodate lateral, transverse, and shear movement. Larger centerbulbs will accommodate greater movement. Consider using Ribbed with Centerbulb for better sealing characteristics.



Ribbed with Centerbulb shapes are the most versatile and best sealing type of waterstops available. The centerbulb accommodates lateral, transverse, and shear movement. Larger centerbulbs will accommodate greater movement.



Base Seal with Tear Web shapes accommodate lateral, transverse, and shear movement. Larger tear web bulbs will accommodate greater movement. Base Seal waterstops have some limitations with transitions and intersections.

SPECIFICATIONS AND SIZES

Type	Specification	A	R (或B)	C	Schematic drawing
ZS-1	300×6×R15	300	15	6	
ZS-2	300×8×R16	300	16	8	
ZS-3	300×10×R18	300	18	10	
ZS-4	280×6×R14	280	14	6	
ZS-5	350×10×R21	350	21	10	
ZS-6	250×10×R20	250	20	10	
ZS-7	300×15×R30	300	30	15	
ZS-8	250×12×R20	250	20	12	

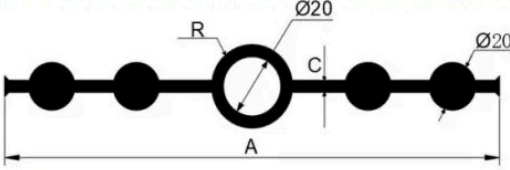
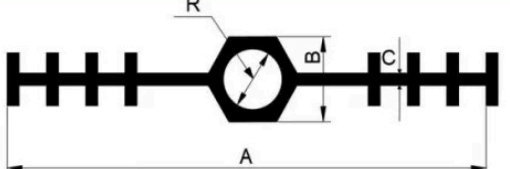
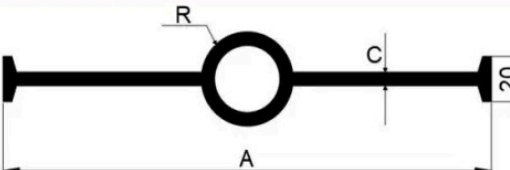
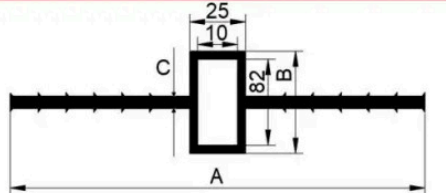
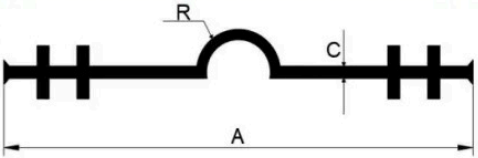
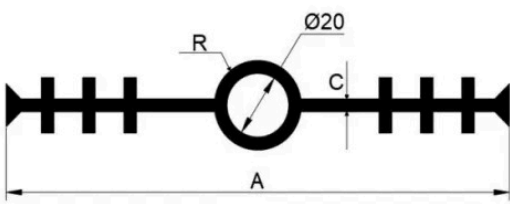
SPECIFICATIONS AND SIZES

Type	Specification	A	R (或B)	C	Schematic drawing
ZS-9	500×10×R15	500	15	10	
ZS-10	500×12×R15	500	15	12	
ZS-11	500×5×R10	150	10	5	
ZS-12	200×5×R12.5	200	12.5	5	
ZS-13	200×6×R10	200	10	6	
ZS-14	250×8×R15	250	15	8	
ZS-15	270×8×R13.5	270	13.5	8	
ZS-16	270×10×R20	270	20	10	

SPECIFICATIONS AND SIZES

Type	Specification	A	R (或B)	C	Schematic drawing
ZS-17	280×8×R14	280	14	8	
ZS-18	280×10×R14	280	14	10	
ZS-19	290×10×R25- I	290	25	10	
ZS-20	290×10×R25- II	290	25	10	
ZS-21	300×6×R10	300	10	6	
ZS-22	300×8×R15	300	15	8	
ZS-23	300×10×R15	300	15	10	
ZS-24	300×12×R15	300	15	12	
ZS-25	300×15×R15	300	15	15	
ZS-26	300×20×R15	300	15	20	

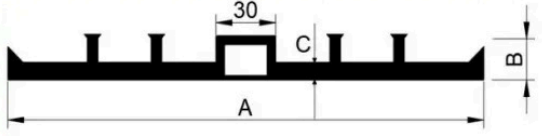
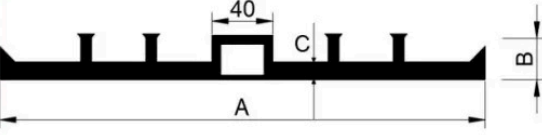
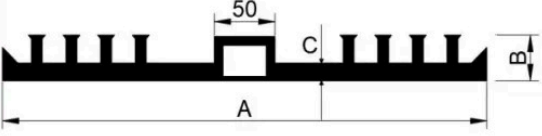
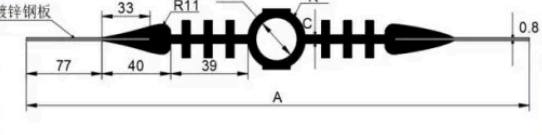
SPECIFICATIONS AND SIZES

Type	Specification	A	R (或B)	C	Schematic drawing
ZS-27	300×8×R20	300	20	8	
ZS-28	300×8×44	300	44	8	
ZS-29	300×10×R12.5	300	12.5	10	
ZS-30	300×10×47	300	47	10	
ZS-31	350×7×R35	350	35	7	
ZS-32	350×10×R20	350	20	10	
ZS-33	350×15×R20	350	20	15	
ZS-34	350×20×R20	350	20	20	
ZS-35	400×10×R15	400	15	10	
ZS-36	400×15×R20	400	20	15	
ZS-37	400×20×R20	400	20	20	

SPECIFICATIONS AND SIZES

Type	Specification	A	R (或B)	C	Schematic drawing
ZS-46	500×10×25	500	25	10	
ZS-47	200×6×20	200	20	6	
ZS-48	250×8×35	250	35	8	
ZS-49	300×8×35	300	35	8	
ZS-50	300×10×35	300	35	10	
ZS-51	350×10×30	350	30	10	
ZS-52	350×10×50	350	50	10	
ZS-53	500×10×35	500	35	10	
ZS-54	500×10×50	500	50	10	
ZS-55	200×6×20	200	20	6	
ZS-56	250×8×35	250	35	8	

SPECIFICATIONS AND SIZES

Type	Specification	A	R (或B)	C	Schematic drawing
ZS-57	300×10×35	300	35	10	
ZS-58	350×8×35	350	35	8	
ZS-59	350×10×35	350	35	10	
ZS-60	400×8×35	400	35	8	
ZS-61	500×10×50	500	50	10	
ZS-62	500×12×50	500	50	12	
ZS-63	350×8×20	350	20	8	

Guchen[®]

WATERSTOP STRIPS

Guchen waterstop sealing strip provides water tight seal for use between prefabricated concrete components. This sealing strip features excellent adhesion not only to concrete, can also be used on metals, glass and other surfaces. Guchen is successfully used worldwide simply by applying to the dry inside surface along the entire length of your concrete component. The material becomes watertight immediately after application.

Extremely high water and gas impermeability Quick application, no tools needed
Very high adhesion strength Resistant to Acid, alkaline, salt, and liquid sewage waste Tested by German construction supervisory authorities.

PHYSICAL PROPERTIES



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