

Storaen (Cangzhou) International Trading Co.

Company Profile

Storaen (Cangzhou) International Trade Co., Ltd. is a well-known sales and manufacturing enterprise located in Botou, China, which is famous for specializing in the production of all kinds of high-quality industrial products. The company owns three processing factories, including Chongsen Gauge Factory, Fenpao Valve Factory and Mechanical Casting Factory, specializing in the production of cast iron welding platforms, measuring tools, plug gauges, ring gauges, valves and other products, and has become a reliable and trustworthy supplier in the industry. The company has always been committed to precision engineering and has taken strict quality control measures to ensure that customers receive products that meet the highest standards. Located in the heart of China's famous foundry city, Stalla (Cangzhou) International Trading Co., Ltd. takes full advantage of its strategic location to access top quality raw materials and skilled labor, further enhancing the quality and reliability of its products. With a dedication to innovation and a strong commitment to customer satisfaction, Storaun (Cangzhou) International Trading Co., Ltd. continues to set industry benchmarks and provide superior products to meet the diverse needs of our customers.

Product Category:

Welding Processing Table Series:

- ① Cast Iron Welding Table
- ② Granite Processing Table
- ③ 3D Machining Platform
- ④ Customized Platform

Sai Ring Gauge Series:

- ① Plug Gauge
- ② Ring Gauge
- ③ Customized Ring Gauge

Industrial Gauge Series:

- ① Cast Iron Gauge
- ② Granite Gauge
- ③ Magnesium-aluminum Alloy Gauge
- ④ Customized Gauges

Valve Series:

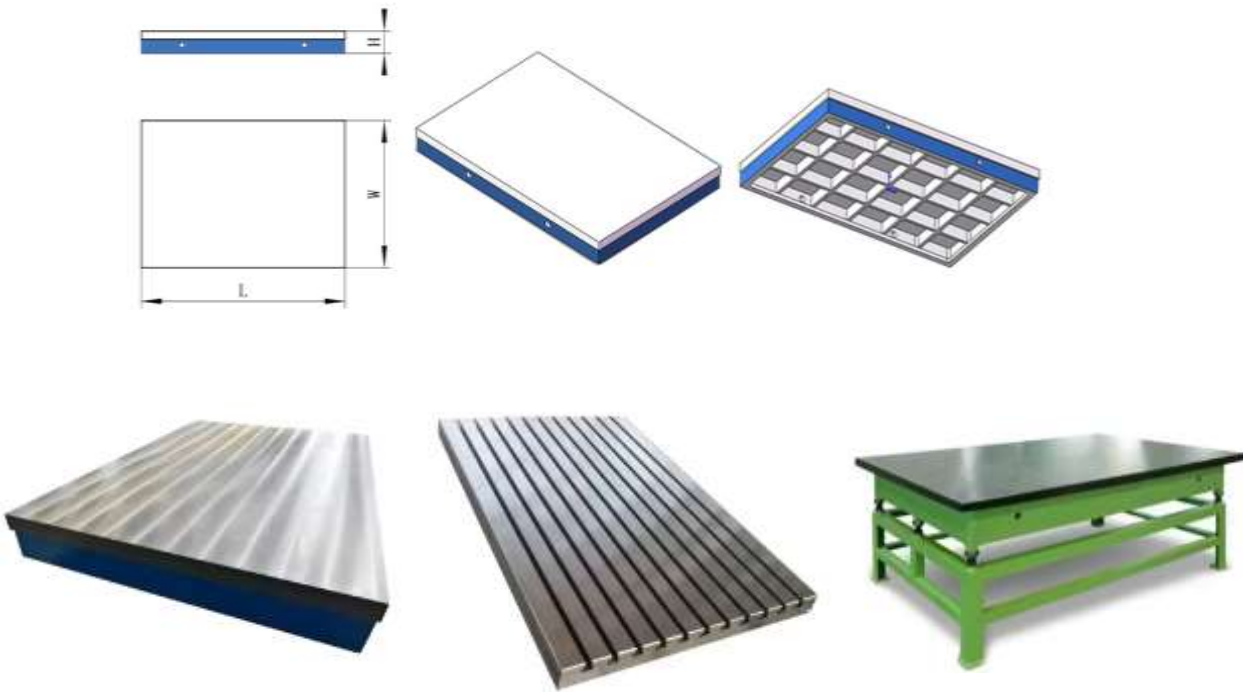
- ① Gate Valve
- ② Butterfly Valve
- ③ Check Valve
- ④ Static Balance Valve
- ⑤ Customized Valves

Cast Iron Welding Table

Cast Iron Surface Plate:
Cast iron surface plates are made up of Cast Iron (C.I), they are duly provided heat treatment for relieving internal stresses. They provide a precision reference for spotting, tool marking, inspection of workpieces, checking accuracy of other surfaces, for many types of gauging and marking out (layout) operation.

Heavy Duty Steel Stand:
Heavy Duty Steel Stand are usually custom designed to maintain the precision tolerances. Leveling screws and heavy-duty casters are available on the stands. Orders should specify the exact working height: from floor to the top of the surface plate.

Product Specification Parameters			
Item Number	ST-w1001	Size	200*200-4000*8000mm
Product Name	welding fabrication table	Customizable	Yes
Brand Name	Storaen	Working Temperature	20°C±5°C
Material	cast iron HT200-300 QT steel	Hardness of Working Surface	HB170-240
Precision Grade	0-3	packing	wooden box
Warranty	1 year	Spraying	topcoats and primers



Customized Common Parameters (Cast Iron Welding Table)

Parameters of Cast Iron Welding Table											
No.	Size	Precision Grade				No.	Size	Precision Grade			
	(mm)	0	1	2	3		(mm)	0	1	2	3
		Flatness(μm)						Flatness(μm)			
1	200*200	3.5	3.5	7	14	24	2000*5000		37	75	150
2	300*200	4	4	8	15	25	2000*6000		43	86	172
3	300*300	4	4	8	15	26	2000*7000		49	97	194
4	300*400	4	4	8	16	27	2000*8000		54.5	109	218
5	400*400	4.5	4.5	8.5	17	28	2500*3000		28.5	57	114
6	400*500	4.5	4.5	9	18	29	2500*4000		33	67	133
7	400*600	5	5	10	19	30	2500*5000		39	77	154
8	500*500	5	5	10	19	31	2500*6000			88	176
9	500*600	5	5	10	19	32	2500*7000			99	198
10	500*800	5.5	5.5	11	21	33	2500*8000			110	221
11	600*800	5.5	5.5	11	22	34	3000*3000			61	122
12	600*900	6	6	11.5	23	35	3000*4000			70	140
13	1000*750	6		12.5	25	36	3000*5000			80	160
14	1000*1000	7		13.5	27	37	3000*6000			90.5	181
15	1000*1200	7		14	29	38	3000*7000			101	203
16	1000*1500	8		16	32	39	3000*8000			112.5	225
17	1000*2000	9		18.5	37	40	4000*4000			78	156
18	1500*2000	10		20	40	41	4000*5000			87	174
19	1500*2500	11		22.5	45	42	4000*6000			96.5	193
20	1500*3000	13		25	50	43	4000*7000			107	213.5
21	2000*2000	11		22	44	44	4000*8000			117	235
22	2000*3000	13		27	53	45	4000*7000				
23	2000*4000	16		32	64	46	4000*8000				

Granite Processing Table

Granite Surface Plate:
Granite Surface Plates are best known due to their rust-less properties. The hardness of the granite surface plates is also morethan the Cast Iron Surface Plates. They are wildly used for precision gauging, inspection, layout and marking purposes and preferred by Laboratories, Engineering Industries and Workshops.

Product Specification Parameters			
Item Number	ST-w1002	Size	200*200-3000*500mm
Product Name	welding fabrication table	Customizable	Yse
Material	Granite	Working Tmeperature	20°C±5°C
Brand Name	Storaen	Hardness of Working Surface	HS70
Precision Grade	0-2	Packing	wooden box
Warranty	1 year	Color	black
Stand	available	Use of Worktops	Flat, tapped, holes T-slots,etc



Customized Common Parameters (Granite Processing Table)

Parameters of Granite Processing Table							
No.	Size	Precision Grade		No.	Size	Precision Grade	
	(mm)	0	1		(mm)	0	1
		Flatness(μm)				Flatness(μm)	
1	200*200	3.5		24	2000*5000	19	37
2	300*200	4		25	2000*6000	22	43
3	300*300	4		26	2000*7000	25	49
4	300*400	4		27	2000*8000	27.5	54.5
5	400*400	4.5		28	2500*3000	14.5	28.5
6	400*500	4.5		29	2500*4000	16.5	33
7	400*600	5		30	2500*5000	19.5	39
8	500*500	5		31	2500*6000	22	44
9	500*600	5		32	3000*3000	15.5	30.5
10	500*800	5.5		33	3000*4000	17.5	35
11	600*800	5.5		34	3000*5000	20	40
12	600*900	6		35			
13	1000*750	6		36			
14	1000*1000	7		37			
15	1000*1200	7		38			
16	1000*1500	8		39			
17	1000*2000	9		40			
18	1500*2000	10		41			
19	1500*2500	11		42			
20	1500*3000	13		43			
21	2000*2000	11		44			
22	2000*3000	13	27	45			
23	2000*4000	16	32	46			

3D Machining Platform

3D welding platform is an advanced welding platform, the platform and four sides are distributed with holes of 28, used to coordinate with the 3D flexible fixture, to achieve rapid positioning and clamping of the workpiece needs to be welded. The advantages of 3D welding platform are: high efficiency, high precision and low cost. A set of 3D welding tooling system can basically satisfy all customer welding parts.

- Components can be equipped after your selecting:
- 1, Tools for supporting: U-Shaped cube case, L-shaped cube case, Angle supporting, and Angle gauge
 - 2, spare parts for Locating:
 - 3, Tools for clamping and fixing
 - 4, spare parts for locking working piece
 - 5, Auxiliary Tools

Product Specification Parameters			
Item Number	ST-w1003	Size	1000*1000*100mm
Product Name	3D welding fabrication table	Customizable	Yes
Brand Name	Storan	Fields of application	Industrial
Material	cast iron alloy steel steel	Bore tolerance	±0.05 mm
Surface treatment	nitriding	Packing	wooden box
Flatness	0.02mm/1000mm	Roughness	Ra1.6-Ra3.2
Warranty	1 year	Gross Weight	500kg



Customized Common Parameters (3D Machining Platform)

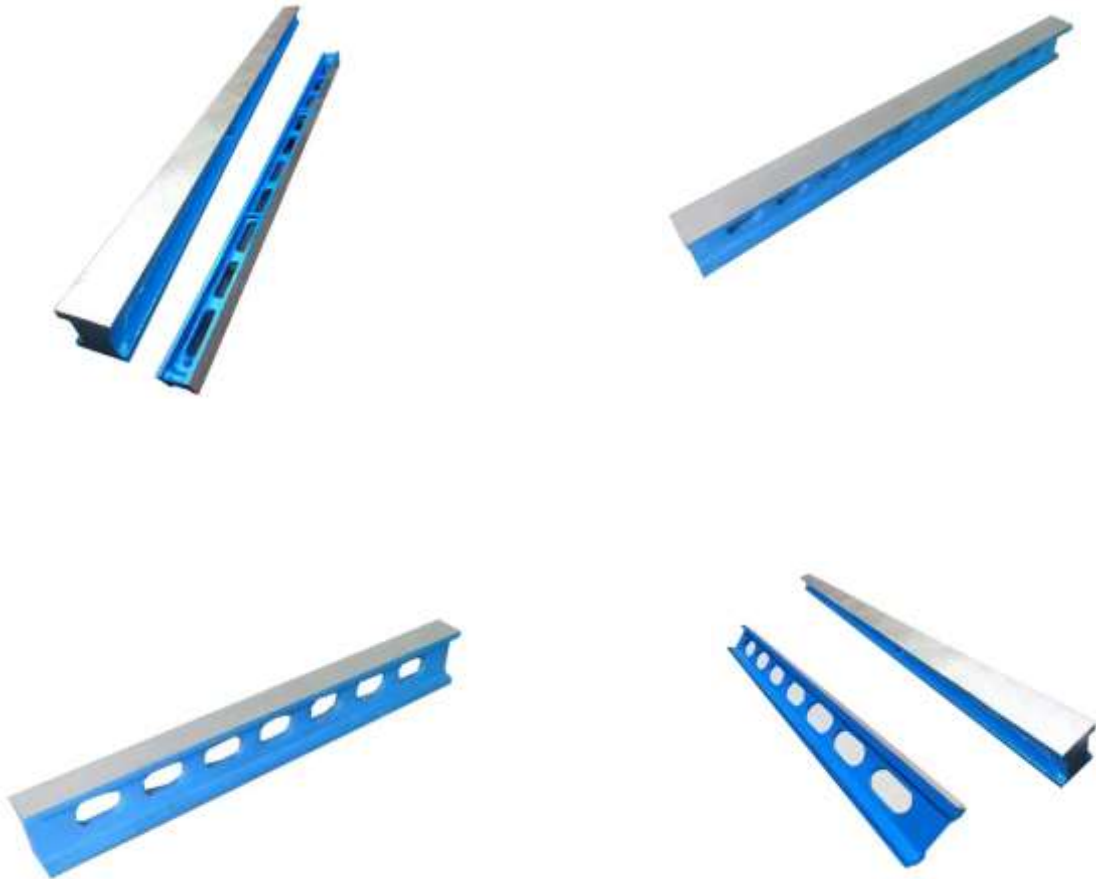
Parameters of 3D Machining Platform					
No.	Size	weight	No.	Size	weight
	(mm)	(kg)		(mm)	(kg)
ST-w1003-1	1000*1000*200	380	ST-w1003-10	1000*500*100	70
ST-w1003-2	1200*1200*200	430	ST-w1003-11	1000*1000*100	120
ST-w1003-3	1000*1500*200	450	ST-w1003-12	1200*800*100	120
ST-w1003-4	1000*2000*200	600	ST-w1003-13	1200*1200*100	170
ST-w1003-5	1200*2400*200	850	ST-w1003-14	1000*1500*100	180
ST-w1003-6	1500*2000*200	880	ST-w1003-15	1500*1500*100	270
ST-w1003-7	1500*3000*200	1300	ST-w1003-16	1000*2000*100	250
ST-w1003-8	2000*3000*200	1800	ST-w1003-17	1200*2400*100	350
ST-w1003-9	2000*4000*200	2700			

Cast Iron Measuring Tools

Cast Iron Straight Rulers are widely used for setting up and leveling machinery, for checking and spotting bearing surfaces during hand-scraping operations. Properly supported, they may be used with various indicating devices to check surface flatness of large machined areas like surface plate, machine tables, lathe beds, machine ways etc.

Product Specification Parameters			
Item Number	ST-g1006	size	see schedule
Product Name	cast Iron measuring tools	Customizable	Yes
Brand Name	Storaen	Woking Temperature	20°C±5°C
Material	cast iron HT200-300	Surface Treatment	hand-scraped or finish-milling
Precision Grade	1--3	Packing	wooden box
Warranty	1 year	Foundry Process	sand casting
Painting	primer painting	Surface Coating	working surface covered with picking oil

Schedule I							
Parnmeters of Cast Iron Measuring Tools							
No.	Straightness or flatness of working surface				Parallelism between two working surfaces		
	Precision Degree(μm)						
	Size(mm)	1	2	3	1	2	3
1	500*45	6	12		9	18	
2	750*50	8	15		12	25	
3	1000*55	10	20		15	30	
4	1200*60	12	24		18	36	
5	1500*60	15	30		20	40	
6	2000*80	20	40	80	27	54	
7	2500*80	25	50	100	33	65	130
8	3000*100		60	120		78	156



Cast Iron Right Angle Ruler

Cast Iron Right Angle Ruler are widely used a vertical reference for inspection of workpieces and for checking squareness. Cast iron right angles has bottom and the adjacent square face finished flat and square to each other as well as the two adjacent narrow sides finished flat and square to other two faces and are parallel to each other.

Product Specification Parameters			
Item Number	ST-g1002	Size	customized
Product Name	cast iron angle plate	Customizable	Yes
Brand Name	Storaen	Working Temperature	20°C±5°C
Material	HT200-300	Hardness Of Working Surface	HB170-240
Precision Grade	1--2	Packing	wooden box
Warranty	3 months	Foundry Process	foundry process sand casting
Painting	working surface covered with pickling oil	Surface Coating	pickling oil



Parnmeters of Cast Iron Gauge							
No.		Verticality of measuring surface		Flatness of measuring surface		Flatness of datum	
		Precision Degree(μm)					
	Size (mm)	1	2	1	2	1	2
1	300*200	11	22	4	7	6	11
2	400*300	12	25	4	8	7	12
3	500*350	15	30	5	10	8	15
4	600*400	18	35	6	12	9	18
5	800*500	20	40	7	14	10	20
6	1000*630	25	50	8	16	12	25
7	1000*750	25	50	8	16	12	25



Cast Iron V block

Cast Iron Universal V-Blocks are used to support shaft, tube and sleeve cylinder parts to keep the shaft guide parallel to the working surface of the platform. They are widely used for inspection, scribing, position fixing and clamping in the production of precision shaft parts. This product is purchased in sets of 2.

Product Specification Parameters			
Item Number	ST-g1003	Size	100*100*60mm
Product Name	cast iron V block	Customizable	Yes
Brand Name	Storaen	Surface treatment	hand-scraped or ground finish
Material	HT250	Standard	JB/T8047-95
Angle Degree	90°	Packing	wooden box
Warranty	3 months	Foundry Process	sand casting or centrifugal castings
Painting	primer painting	Surface Coating	pickling oil



Parameters of Cast Iron V block																
Type(mm)		flatness of working surface			Parallelism of V-groove to bottom surface			Parallelism of V-groove to side			V-groove to both sides of symmetry			V-groove to end face perpendicularity		
		Precision Grade(μm)														
		Level 0	Level 1	Level 2	Level 0	Level 1	Level 2	Level 0	Level 1	Level 2	Level 0	Level 1	Level 2	Level 0	Level 1	Level 2
type I	35*35*30	1	2	3	2.5	5	10	2.5	5	10	5	10	20	5	5	10
	60*60*50	1	2	3	2.5	5	10	2.5	5	10	5	10	20	5	5	10
	105*105*80	1.5	3	5	4	8	15	4	8	15	8	16	30	8	8	15
typeII	100*100*56					10	20		10	20		20	40			
	150*150*80					15	25		15	25		30	50			
	200*200*90					15	25		15	25		30	50			
	300*300*120					20	30		20	30		40	60			
typeIII	150*100*50	2	4	6	4	8	15	4	8	15	8	16	30			
typeIV	100*80*30	1	2		3	6								8	8	15
	150*125*45	1.2	2.5		4	6										



Cast Iron Square Box

Cast Iron Square Boxes are usually used in machine processing workshop, and suitable for fixing and clamping of workpieces while machining.

Features of Cast Iron Square Box:

- * Made from high quality cast iron.
- * Heat-treated for stress relief.
- * Offered in two grades of accuracies – Grades: 2 & 3.
- * Machined T-slots and cored as-cast slots provided to facilitate clamping.
- * Special sizes as per customer’ s specific requirement also offered.
- * Offered as matched pair.

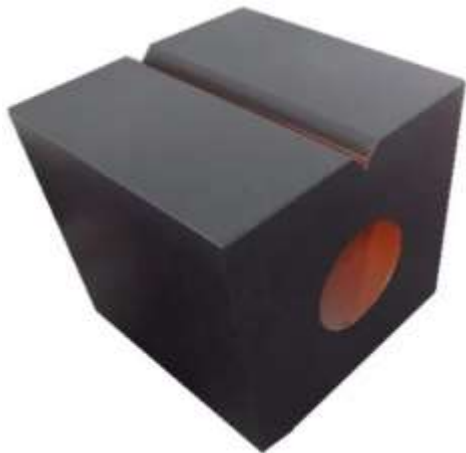
Product Specification Parameters			
Item Number	ST-gl004	Size	customized
Product Name	cast iron square box	Customizable	Yes
Brand Name	Storaen	Hardness of the working surface	HB160-240
Material	HT200-300	Surface treatment	hand-scraped or finish-milling
Surface	flat, T-slots and cored	Packing	wooden box
Warranty	1year	Foundry Process	sand casting or centrifugal castings
Painting	primer and face painting	Surface Coating	pickling oil and plastic-lined or covered with anticorrosion paint



Granite Square Box Block

Granite square box is a natural stone material made of precision reference measurement tools, after strict physical testing and selection of granite material, fine crystallization, hard texture, on the instrumentation, precision tools, mechanical parts of the inspection, are the ideal reference surface. Marble square box is better than high-quality cast iron and steel production of precision measurement reference parts, can obtain high and stable accuracy, in use even if by heavy bumps, up to a few grains of stone ballast only. Will not affect the use of precision.

Product Specification Parameters			
Item Number	ST-g1005	size	200*200/ 300*300mm
Product Name	granite square box block	Color	black
Brand Name	Storaen	Hardness of the Working Surface	HS70
Material	Granite	Surface Treatment	hand-scraped or finish-milling
Function	Test measurement	Precision Grade	00-0



Parnmeters of Granite Square Box Block						
Size(mm)	Parallel		Planeness		Verticality	
	Precision Grade(μm)					
	00	0	00	0	00	0
100*100*100	1	2	1	2	1	2
150*150*150	1.5	3	1	2	1.5	3
200*200*200	2	4	1.5	3	2	4
300*300*300	3	6	1.5	3	3	6
400*400*400	4	8	2	4	4	8
500*500*500	5	10	2.5	5	5	10
600*600*600	6	12	3	6	6	12
800*800*800	8	16	4	8	8	16



Granite Straight Edges

Granite measuring tools have the following characteristics :

- 1. high precision reliable stability resistance to deform and guaranteed accuracy under normal ambient temperature.
- 2. No-rust and anticorrosion
- 3. wear resistance long service life
- 4. any working surface cutting or scratching dose not bring about rough edges which might influence its measuring presicion.
- 5. nonmagnetization.
- 6. gloosy surface without sluggishness when the workplaces or tools are moving on it .

Product Specification Parameters			
Item Number	ST-gl006	size	630*100*63
Product Name	granite straight edges	Customizable	Yes
Brand Name	Storaen	Color	black
Material	Granite	Hardness of the Working Surface	HS70
Function	Test measurement	Surface Treatment	hand-scraped or finish-milling
Proportion	2970-3070kg/m³	Precision Grade	00-0
Flexible Grinding Capacity	1.27-1.47N/mm²	Compression Strength	245-254kg/mm²
Coefficient of Linear Expansion	4.6×1-6°C	Water Absorption	0.13%

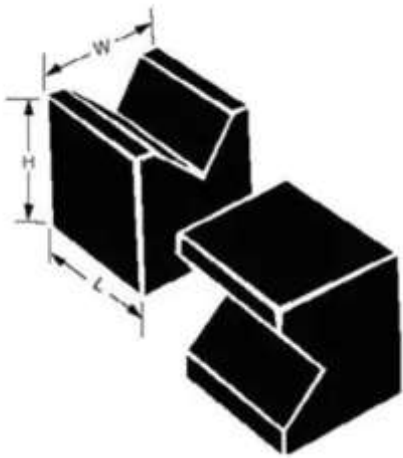


Granite V Blocks

Granite V-block is a test cylinder marble gauge, generally supplied in pairs, is a four-pronged body, four work surfaces or four different sizes of 90-degree grooves.

Marble V block is mainly used for shaft parts inspection and demarcation, shaft inspection, calibration, demarcation, but also can be used to check the perpendicularity of the workpiece, parallelism.

Product Specification Parameters			
Item Number	ST-g1007	size	600*600*600 630*630*630 1000*1000*1000 1600*1600*1600
Product Name	granite V blocks	Customizable	Yes
Brand Name	Storaen	Color	black
Material	Granite	Hardness of the Working Surface	HS70
Function	Test measurement	Surface Treatment	ground finish
Precision Grade	000-0	Warranty	3month

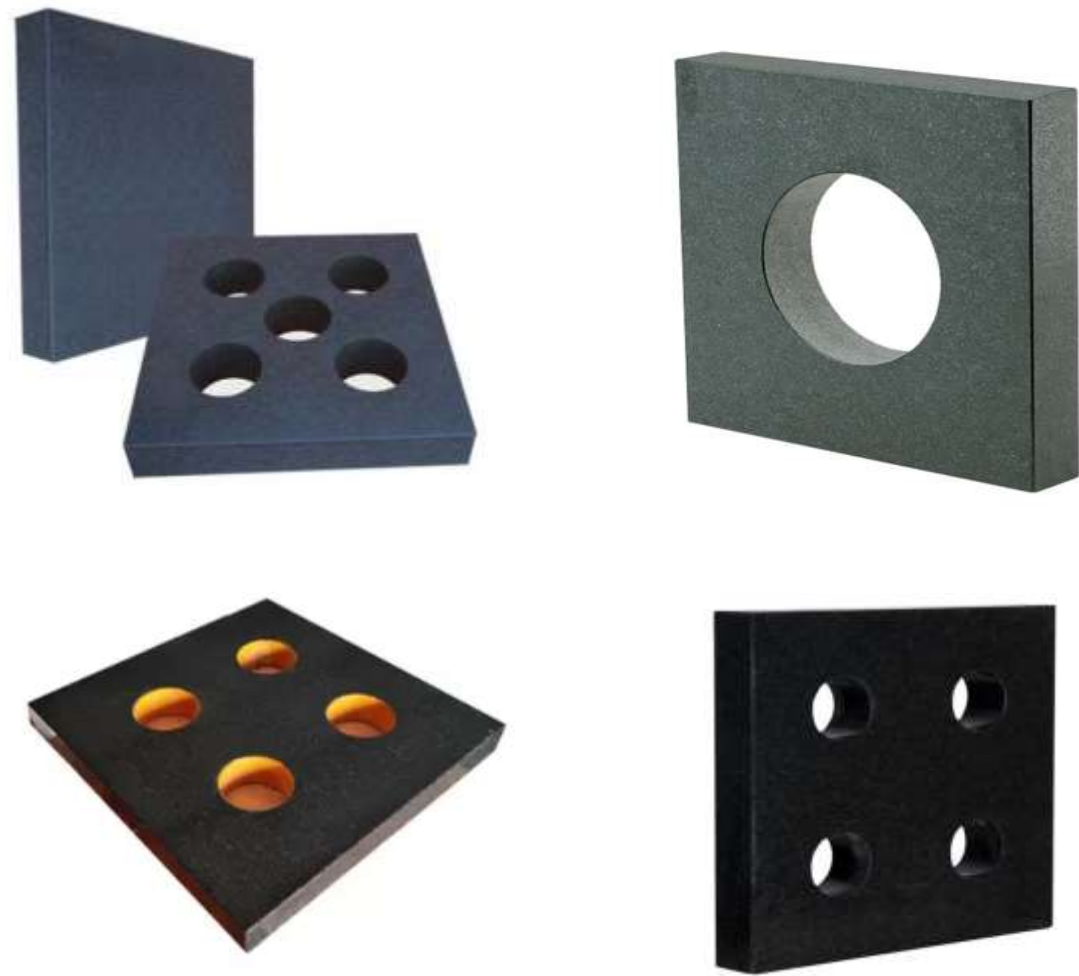


Precision Granite Master Square

Mainly granite main minerals which components for pyroxene, plagioclase feldspar, a small amount of olivine, black mica and trace magnetite, black color, structural precision, after hundreds of millions of years of aging, texture uniformity, stability, strength, high hardness, and can be in the heavy load to maintain high precision. Suitable for industrial production and laboratory measurement work.

Product Specification Parameters			
Item Number	ST-g1008	size	1000*1000*150mm
Product Name	precision granite master square	Customizable	Yes
Brand Name	Storaen	Color	black
Material	Granite	Hardness of the Working Surface	HS70
Function	Test measurement	Surface Treatment	ground finish
Package	plywood box	Working Surface	20±5°C
Precision Grade	000-0	Warranty	3month

Parnmeters of Precision Granite Master Square						
Size(mm)	Squareness between measuring surface and datum surface		Flatness and straightness of measuring surface		Flatness and straightness of datumsurface	
	Precision Grade(μm)					
	00	0	00	0	00	0
200*200*50	2	4	1.5	3	2	4
300*300*50	3	6	1.5	3	3	6
400*400*50	4	8	2	4	4	8
500*500*50	3.5	7	1	2.5	1	2
600*600*60	4.5	9	1.5	3	1	2.5
800*800*70	6	12	2.5	5	1.5	5



Master Squares 90°

Granite Angle Ruler. Granite Angle Ruler main mineral composition for the escape stone, plagioclase, a small amount of olivine, black mica and a trace of magnetite, black color, structural precision electric code, after hundreds of millions of years of aging, the texture is uniform, good stability, strength, hardness, and can be in the heavy load to maintain high precision. Suitable for industrial production and laboratory measurement work.

Product Specification Parameters			
Item Number	ST-g1009	size	250*160*40mm
Product Name	master squares 90°	Customizable	Yes
Brand Name	Storaen	Color	black
Material	granite or marble	Hardness of the Working Surface	HS70
Function	Test measurement	Surface Treatment	ground finish
Package	plywood box	Working Surface	20±5°C
Precision Grade	00-0	Warranty	3month



Parnmeters of Master squares 90°						
Size(mm)	Squareness between measuring surface and datum surface		Flatness and straightness of measuring surface		Flatness and straightness of datumsurface	
	Precision Grade(μm)					
	0	0	0	0	0	0
100*63	2	4	1	1	1	1
160*100	2	4	1	2	1	1
250*160	2.5	5	1	2	1	2
400*250	3.5	7	1	2.5	1	2
630*400	4.5	9	1.5	3	1	2.5
1000*630	6	12	2.5	5	1.5	5



Metal Measuring Tools

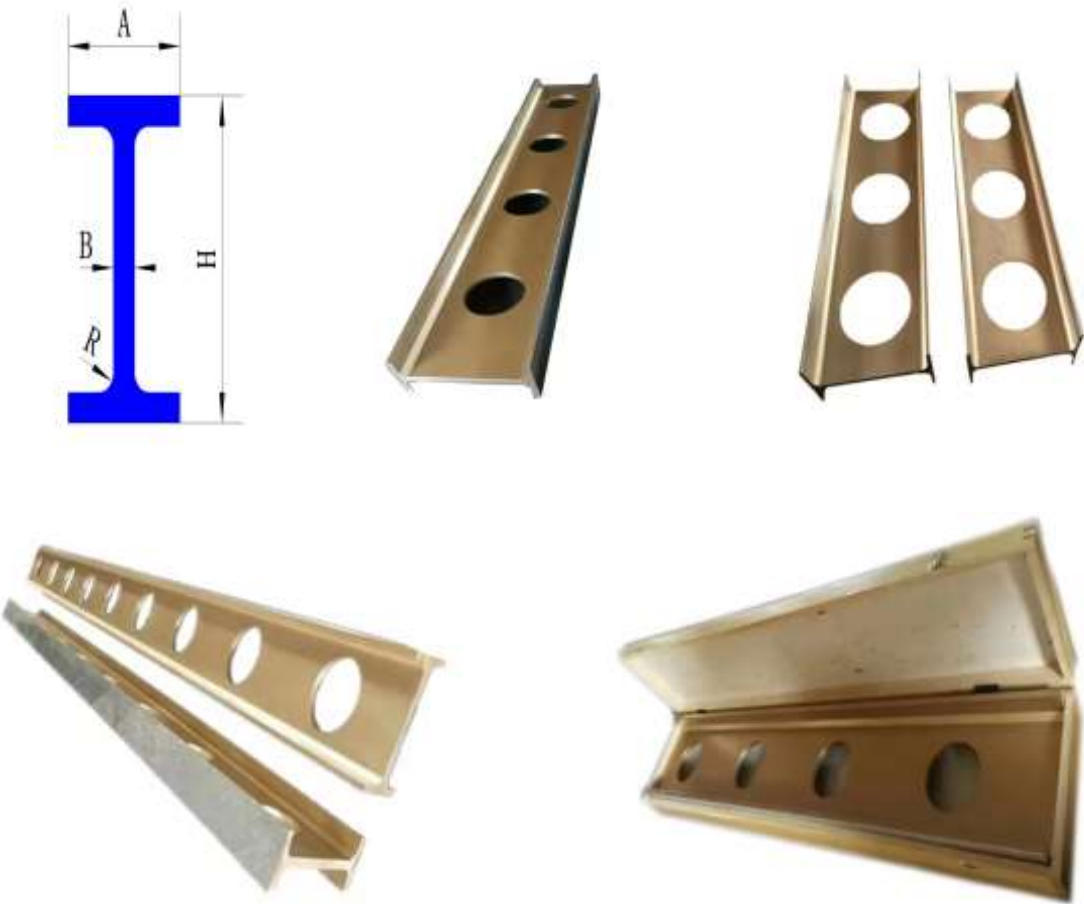
Aluminum Magnesium Alloy Parallel Ruler is used for workpiece inspection, measuring, marking, equipment installation, and industrial construction project.

Easy Storage: can hanging or horizontal placement, will not affect its straightness and parallelism because of lone-time placement.

Not Easy to Rust: do not use oiled during using, if not used for a long time, apply a thin layer of industrial oil and then store.

Product Specification Parameters			
Item Number	ST-g1010	size	see schedule
Product Name	metal measuring tools	Customizable	Yes
Brand Name	Storaen	Woking Temperature	20°C±5°C
Material	aluminium magnesium alloy	Physical performance	47kg/mm
Precision Grade	1--3	Packing	wooden box
Warranty	1 year	Extensibility	17%

Parmners of Metal Measuring Tools											
Specific- ation (mm)	L	500	1000	1500	2000	2500	3000	3500	4000	5000	6000
	H	60	60	100	100	150	150	150	150	175	175
	A	30	30	40	40	80	80	80	80	80	80
	B	6	6	6	8	8	8	8	10	10	10
	R	4	4	4	6	6	6	6	8	10	10
Precision Grede		1	1	1	1	2	2	3	3	3	3
Beeline(mm)		0.006	0.01	0.015	0.018	0.044	0.048	0.112	0.128	0.16	0.2
Parallelism(mm)		0.008	0.016	0.022	0.027	0.066	0.072	0.168	0.26	0.24	0.3
Weight(kgs)		0.8	1.5	4.5	6	17.5	21	24.5	28	40	50



Metal L Shaped Ruler

Magnesium-aluminium right-angle ruler has the following advantages:

- 1. Light weight, easy to use and easy to move.
- 2. It is not easy to deform. The bending point of general steel material is 30kg/mm², and that of general cast iron is 38kg/mm². The bending point of this material is 110kg/mm², and the bending resistance index is far beyond other materials.
- 3. Easy to keep, suspension and leveling can be done without affecting its straightness and parallelism due to long-term leveling.
- 4. It is not easy to show off, do not use oil during use, do not use it for a long time, gently coat a thin layer of general industrial oil when stored.

Product Specification Parameters			
Item Number	ST-g1011	size	630*400mm
Product Name	metal measuring tools	Customizable	Yes
Brand Name	Storan	Woking Temperature	20°C±5°C
Material	magnesium	Physical performance	47kg/mm²
Weight	4kg	Packing	wooden box
Warranty	1 year	Extensibility	17%

Parnmeters of Metal L Shaped Ruler			
Product Name	Size	Precision	Weigth(kg)
magnesium aluminum alloy ruler	630*400*50*40	0	5
	800*500*50*40	0	7
	1000*630*50*40	1	9
	1250*800*50*40	1	11
	1600*1000*60*50	1	13
	2000*1250*70*60	1	15
	2500*1600*70*60	2	20
	3000*2000*70*60	2	25



Smooth Ring Gauge

Smooth ring gauge: It is a gauge used to measure the outer diameter dimension of the workpiece, divided into T end and Z end. In use, the T end represents the upper limit dimension of the outer diameter of the workpiece and should pass; the Z end represents the lower limit dimension of the outer diameter of the workpiece and cannot pass. Smooth plug gauge: It is a precision gauge used to measure the inner dimension of the workpiece.

Product Specification Parameters			
Item Number	ST-r1001	Size	See attached table for details
Product Name	Smooth ring gauge	Power	According to product drawings
Brand Name	Storaen	Precision	h6 h7 h8 h9
Material	Alloy steel	Acceptance of customization	Yes
Application	Industrial Measurement	Color	black
Package	plastic box Wooden box	Warranty	1 year
Tip:Customers with non standard product requirements need to provide product drawings and communicate with the manufacturer.			

Specifications of Smooth Ring Gauge(mm)						
3--5	6--9	10--13	14--17	18-23	24-29	30-39
40-49	50-64	65-79	80-99	100-109	110-119	120-129
130-139	140-149	150-159	160-169	170-179	180-189	190-199
200-229	230-250	260-300	310-350	360-400	410-450	460-500



Spline Ring Gauge

Spline Plug Gauge are used to measure dimensions such as outer diameter, slot width and slot depth of spline shafts. Ring gauges are also divided into through gauges and stop gauges. Through gauges are used to check whether a spline shaft can pass through, while stop gauges are used to check the maximum permissible dimensions of a spline shaft.

Product Specification Parameters			
Item Number	ST-r1002	Size	See attached table for details
Product Name	Spline Ring Gauge	Power	According to product drawings
Brand Name	Storan	Precision	0 1 2 3
Material	Alloy steel	Acceptance of customization	Yes
Application	Industrial Measurement	Color	black
Customizable Diameter Range	<600mm	Customizable Module Range	>0.2m
Package	plastic box Wooden box	Warranty	1 year
Tip:Customers with non-standard product requirements need to provide product drawings and communicate with the manufacturer.			

Specifications of Spline Ring Gauge (mm)(This is a customized product)						
3--5	6--9	10--13	14--17	18-23	24-29	30-39
40-49	50-64	65-79	80-99	100-109	110-119	120-129
130-139	140-149	150-159	160-169	170-179	180-189	190-199
200-229	230-250	260-300	310-350	360-400	410-450	460-500



Threaded Ring Gauge

Threaded ring gauges are used to measure the correct size of external threads, one piece for the through end and one piece for the stop end. The stop-end ring gauge has a groove on the outer cylindrical surface. When the size is more than 100mm, the thread ring gauge is double shank thread ring gauge type. The specifications are divided into three types: coarse thread, fine thread, and pipe thread. Threaded ring gauges of grade 2 accuracy and higher than grade 2 accuracy with a pitch of 0.35 mm or less, and threaded ring gauges of grade 3 accuracy with a pitch of 0.8 mm or less do not have a stop end.

Product Specification Parameters			
Item Number	ST-w1003	Size	See attached table for details
Product Name	3D Machining Platform	Power	According to product drawings
Material	alloy steel	Precision	0 1 2 3
Brand Name	Storaen	Acceptance of customization	Yes
Application	Industrial Measurement	Packing	plastic box wooden box
Warranty	1 year	Customizable Module Range	>0.2m
Customizable Diameter Range	<600mm	Color	black
Tip: Customers with non-standard product requirements need to provide roduct drawings and communicate with the manufacturer			



Specifications of Threaded Ring Gauge(mm)						
M3--M5	M6--M9	M10--M13	M14--M17	M18-M23	M24-M29	M30-M39
M40-M49	M50-M64	M65-M79	M80-M99	M100-M109	M110-M119	M120-M129
M130-M139	M140-M149	M150-M159	M160-M169	M170-M179	M180-M189	M190-M199
M200-M229	M230-M250	M260-M300	M310-M350	M360-M400	M410-M450	M460-M500

Smooth Plug Gauge

Smooth plug gauge: It is a precision gauge used to measure the inner dimension of the workpiece. The smooth plug gauge is made into two types: the maximum limit dimension and the minimum limit dimension. The minimum limit dimension end is called the through end, and the maximum limit dimension end is called the stop end. In the measurement, the through-end plug gauge should pass through the small diameter, and the stop-end plug gauge should not pass through the small diameter.

Product Specification Parameters			
Item Number	ST-r1004	Size	See attached table for details
Product Name	Spline Plug Gauge	Power	According to product drawings
Brand Name	Storaen	Precision	H6 H7 H8 H9 H10 H12
Material	Alloy steel	Acceptance of customization	Yes
Application	Industrial Measurement	Color	black
Package	plastic box Wooden box	Warranty	1 year
Tip:Customers with non-standard product requirements need to provide product drawings and communicate with the manufacturer.			



Specifications of Smooth Plug Gauge (mm)							
1.8	8	18	28	38	52	80	110
2	9	19	29	39	55	82	115
2.5	10	20	30	40	58	85	120
3	11	21	31	42	60	88	125
3.5	12	22	32	44	62	90	130
4	13	23	33	45	65	92	135
4.5	14	24	34	46	68	95	150
5	15	25	35	47	70	98	165
6	16	26	36	48	72	100	180
7	17	27	37	50	75	105	200



Spline Plug Gauge

Spline Plug Gauge are used to measure dimensions such as inner diameter, slot width and slot depth of spline holes. Plug gauges are divided into through gauges and stop gauges. Through gauges are used to check whether a spline hole can pass through, and stop gauges are used to check the maximum permissible size of a spline hole.

Product Specification Parameters			
Item Number	ST-r1005	Size	See attached table for details
Product Name	Spline Plug Gauge	Power	According to product drawings
Brand Name	Storaen	Precision	H6 H7 H8 H9 H10 H12
Material	Alloy steel	Acceptance of customization	Yes
Application	Industrial Measurement	Color	black
Package	plastic box Wooden box	Warranty	1 year
Tip:Customers with non-standard product requirements need to provide product drawings and communicate with the manufacturer.			



Specifications of Spline Plug Gauge(mm)(This is a customized product)						
3--5	6--9	10--13	14--17	18-23	24-29	30-39
40-49	50-64	65-79	80-99	100-109	110-119	120-129
130-139	140-149	150-159	160-169	170-179	180-189	190-199
200-229	230-250	260-300	310-350	360-400	410-450	460-500



Thread Plug Gauge

A thread plug gauge is a tool for measuring the correctness of internal thread dimensions. This plug gauge type can be divided into three types: normal coarse thread, fine thread and pipe thread. Thread plugs with a pitch of 0.35 mm or less, grade 2 accuracy and higher, and grade 3 accuracy with a pitch of 0.8 mm or less do not have a stop probe. 100 mm or less are tapered shank plugs, and 100 mm or more are double shank plugs.

Product Specification Parameters			
Item Number	ST-r1006	Size	See attached table for details
Product Name	Thread Plug Gauge	Power	According to product drawings
Brand Name	Storaen	Precision	H6 H7 H8 H9 H10 H12
Material	Alloy steel	Acceptance of customization	Yes
Application	Industrial Measurement	Color	black
Package	plastic box Wooden box	Warranty	1 year
Tip:Customers with non-standard product requirements need to provide product drawings and communicate with the manufacturer.			

Specifications of Threaded Plug Gauge(mm)						
M3--M5	M6--M9	M10--M13	M14--M17	M18-M23	M24-M29	M30-M39
M40-M49	M50-M64	M65-M79	M80-M99	M100-M109	M110-M119	M120-M129
M130-M139	M140-M149	M150-M159	M160-M169	M170-M179	M180-M189	M190-M199
M200-M229	M230-M250	M260-M300	M310-M350	M360-M400	M410-M450	M460-M500



Pin-type Plug Gauges

Pin-type plug gauges are general-purpose gauges whose purpose is mainly to measure the inner diameter of round holes. Usually used to measure the inner diameter of smaller and higher precision requirements of the round hole (0 ~ 10mm).

Shaped as a cylinder, the scale is read from the diameter of the cylinder, when measuring, the plug gauge perpendicular to the cross-section of the round hole, through the round hole. If you can not pass, then replace the smaller diameter plug gauge; if you can pass and the gap is too large, then replace the larger diameter plug gauge. Until the search for the appropriate plug gauge to pass through the round hole, and there is a slight sense of friction (need to feel the judgement), then the inner diameter of the round hole that is the diameter of the pin-type plug gauge.

Product Specification Parameters			
Item Number	ST-r1007	Size	See attached table for details
Product Name	Pin-type Plug Gauges	Power	According to product drawings
Brand Name	Storaen	Precision	±0.001mm ±0.002mm ±0.005mm
Material	White Steel Tool Steel Ceramic Tungsten Steel Bearing Steel	Acceptance of customization	Yes
Application	Industrial Measurement	Color	Primary Color
Package	plastic box Wooden box	Warranty	1 year
Tip:Customers with non-standard product requirements need to provide product drawings and communicate with the manufacturer.			

Specifications of Pin-type Plug Gauges (mm)	
0. 1-1. 50	17. 81-20. 36
1. 51-7. 70	20. 37-22. 04
7. 71-12. 70	22. 05-23. 72
12. 71-15. 30	23. 73-24. 40
15. 31-17. 80	25. 41-30. 00

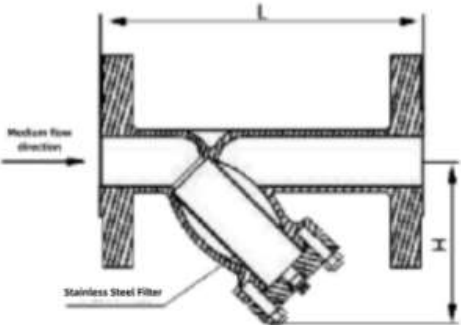


DN-50 Filter

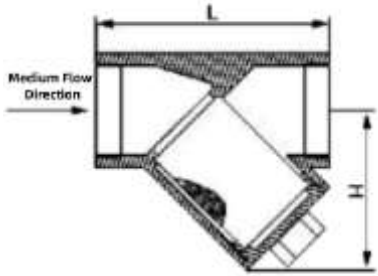
DN50 filter is a filter device for pipeline system of conveying medium, usually installed in the pressure relief valve, pressure relief valve, water level valve or other equipment inlet end, used to remove impurities in the medium, to protect the normal use of valves and equipment. Y type filter is mainly: the main body, filter, central cover, central plug, central fastener and so on.

Product Specification Parameters			
Item Number	ST-v1001	Size	See attached table for details
Product Name	DN-50 Filter	Applicable Media	water
Brand Name	Storaen	Applicable Temperature	minus40°C-300°C
Material	Ductile Iron Stainless Steel	Acceptance of customization	Yes
Application	Sewage	Color	Accept customization
Package	plastic box Wooden box	Warranty	1 year
Tip:Customers with non-standard product requirements need to provide product drawings and communicate with the manufacturer.			

Specifications of DN50 Filter																				
Nominal Diameter (DN)	(mm)	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
	(inch)	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"
Overall Dimensions	L	165	150	260	180	195	215	250	285	305	345	385	487	545	605	660	757	850	895	1070
		65	79	90	105	118	218	165	190											
	H	60	70	70	75	90	105	150	175	200	205	260	300	380	410	480	540	580	645	780
		44	53	65	70	78	80	80	120											
Tip:The data in this dimension table is applicable to Y-type filters of 0.25-2.5MPa and 150LB pressure rating of our factory. The data in parentheses are the filters with threaded connection																				
Nominal Diameter (DN)	(mm)	15	20	25	32	40	50	65	80	100	125	150	200	250						
	(inch)	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"	5"	6"	8"	10"						
Overall Dimensions	L	147	190	200	217	245	279	323	357	455	495	520	640	700						
	H	80	110	110	115	130	145	160	210	270	288	320	395	390						
Tip:The data in this dimension table is applicable to Y-type filters of 6.3MPa and 600LB pressure ratings in our factory.																				



DN15-600 Flange Link



DN15-80 Wire Button Links



Y Type Filter

The Y-type filter is mainly composed of a connecting pipe, a main pipe, a filter screen, a flange, a flange cover and a fastener. When the liquid enters the filter basket through the main pipe, the solid impurity particles are blocked in the filter blue, and the clean fluid passes through the filter basket and is discharged from the filter outlet.

The reason why the filter screen is made into the shape of a cylindrical filter basket is to increase its strength, which is stronger than a single-layer screen, and the flange cover at the lower end of the y-shaped interface can be unscrewed to periodically remove the particles deposited in the filter basket.

The Y-type filter has the characteristics of advanced structure, small resistance and convenient sewage discharge. The suitable medium of Y-type filter can be water, oil and gas. Generally, the water network is 18-30 mesh, the ventilation network is 10-100 mesh, and the oil-passing network is 100-480 mesh. Basket filter is mainly composed of connecting pipe, main pipe, filter blue, flange, flange cover and fasteners. When the liquid enters the filter blue through the main pipe, the solid impurity particles are blocked in the filter blue, and the clean fluid passes through the filter blue and is discharged from the filter outlet.

Product Specification Parameters			
Item Number	ST-v1002	Size	See attached table for details
Product Name	Y Type Filter	Applicable Media	water, water gas oil etc
Brand Name	Storaen	Applicable Temperature	minus5°C-85°C
Material	Cast iron QT450 Brass	Acceptance of customization	Yes
Application	Industrial	Color	Accept customization
Package	plastic box Wooden box	Warranty	1 year
Tip:Customers with non-standard product requirements need to provide product drawings and communicate with the manufacturer.			

Specifications of Y-Filter										
Y-Type Filter(full bore)	Flange Thickness	Flange Outer Circle	Tructure Lenght	Water line Height	Water line Diameter	Height	Screen Diameter	Filter Lenght	Filter Aperture	Center Distance of Filter
DN50	17	160	125	1.5	100	185	48	85	2	4
DN65	17	180	145	1.5	118	210	60	95	2	4
DN80	17	190	160	2	132	242	68	116	2	4
DN100	17	215	180	2	154	265	82	137	2	4
DN125		240	210	2	172					
DN150		280	240	2	217		113	165	3	5
DN200	20	335	295	2	262					
DN250	24			2.5	307					

Y-type Filter (reduced Diameter)	Flange Thickness	Flange Outer Circle	Structure Length	Waterline Height	Waterline Diameter	Height	Screen Diameter	Filter Length	Filter Aperture	Center Distance of Filter	Weight	Length
DN50	12.5	156	201	2	102	185	48	85	2	4	4.5	205
DN65	12	175	217	2	123	210	60	95	2	4	6.5	220
DN80	14	190	247	2	134	242	68	116	2	4	8	250
DN100	14.5	209	293.5	2	157	265	82	137	2	4	10.5	298
DN125	20	240									14	315
DN150	24	280	335				113	165	2	5	19	350
DN200	24	335	405								34	410
DN250	24	405	460								58	525
DN300	24	460	520								80	605
DN350	25	520	580								98	627
DN400	27	580									126	630

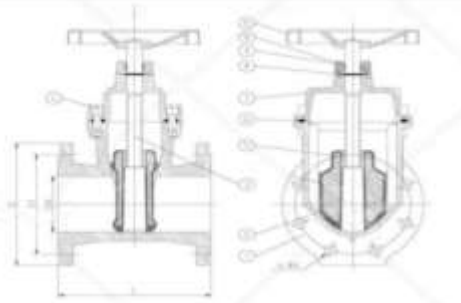


German Standard Gate Valve

The valve body is coated with powder epoxy resin to prevent corrosion and rust. And can be used in sewage systems. In the past, the traditional cast iron gate valves were often broken due to the impact, collision or overlap of external objects. Due to the use of nodular cast iron, this situation has been greatly reduced. The valve uses high-quality rubber for the whole inside, outsourcing glue, domestic first-class rubber vulcanization technology makes vulcanized valve can ensure accurate geometry, and rubber and ductile iron valve then firm, not easy to fall off and elastic memory is good.

Product Specification Parameters			
Item Number	ST-v1003	Size	See attached table for details
Product Name	German Standard Gate Valve	Applicable Media	water,water gas oil etc
Brand Name	Storaen	Applicable Temperature	0°C-80°C
Material	Ductile Iron Stainless Steel	Acceptance of customization	Yes
Application	Sewage	Color	Accept customization
Package	plastic box Wooden box	Warranty	1 year
Tip:Customers with non-standard product requirements need to provide product drawings and communicate with the manufacturer.			

Nominal Diameter	D		D1		n-φd		L
DN/inch	PN16/10	PN10	PN16	PN10	PN16	PN16/10	
50/2"	155	125	125	4-φ19	4-φ19	150	
65/2.5"	180	145	145	4-φ19	4-φ19	170	
80/3"	195	160	160	8-φ19	8-φ19	180	
100/4"	215	180	180	8-φ19	8-φ19	190	
125/5"	245	210	210	8-φ19	8-φ19	200	
150/6"	280	240	240	8-φ23	8-φ23	210	
200/8"	335	295	295	8-φ23	12-φ23	230	
250/10"	405	350	335	12-φ23	12-φ28	250	
300/12"	460	400	410	12-φ23	12-φ28	270	
350/14"	520	460	470	16-φ23	16-φ28	290	
400/16"	580	515	525	16-φ28	16-φ31	310	
500/20"	705	620	650	20-φ28	20-φ34	350	
600/24"	840	725	770	20-φ37	20-φ37	390	
NO.	Part Name		Material				
1	Valve Body		ball-milled cast iron				
2	Valve Plate		Ductile iron + EPDM rubber/high				
3	Valve Stem		Carbon steel				
4	Hexagon Socket		Stainless steel				
5	Valve Shaft Nut		Ductile cast iron				
6	Gasket		EPDM rubber pad				
7	Bonnet		Ductile cast iron				
8	Flap		Carbon steel				
9	Hexagonal Bolt		Stainless steel				
10	O-ring		EPDM rubber ring				
11	Handwheel		ductile cast iron				

				
Technical Requirements Designed and manufactured in accordance with DIN 3352 Mechanism length according to EN558-1 Flange dimensions according to EN1092-2 Testing and examination according to EN12266-1	Size			
	Test Pressure	Nominal Pressure	PN10/16	
		Housing Inspection	2.4Mpa	
			Sealing Inspection	1.76Mpa
			Grade	1.6Mpa
			Air Detection	/
Applicable temperature		minus29°C to 180°C		
Applicable media:		Water, oil, steam		

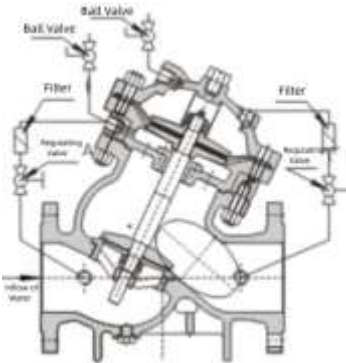


Multifunctional Pump Control Valve

Multifunctional pump control valve consists of main valve and regulating valve and receiver system, the valve body adopts DC type valve body, the main valve control chamber is diaphragm type or piston type double control chamber structure, the control chamber is increased by one than the general hydraulic control valve, which increases the control function of the main valve and realizes the multi-functional control of the pump outlet such as slow opening, full opening, slow closing and stopping, which realizes the multi-functional control of the pump outlet by a single valve and a single adjustment. Multifunctional control. This product is used in high-rise building water supply system and other water supply system pump outlet pipeline, to prevent and attenuate the pump start and stop the pipeline of water hammer, prevent water backflow to protect the pump, maintain pipeline safety. In order to realize the automation of pump operation, simplify management, reduce labor, improve reliability, people use hydraulic valves and electric valves to replace manual valves, a number of technical improvements to the monoblock valves, the emergence of slow-opening and slow-closing backstop valves, slow-acting open and close hydraulic valves, automatic slow-closing gate valves, double-speed self-closing valves and other new types of valves.

Product Specification Parameters			
Item Number	ST-v1004	Size	See attached table for details
Product Name	Multifunctional Pump Control Valve	Applicable Media	water, water gas oil etc
Brand Name	Storan	Applicable Temperature	30°C-80°C
Material	Cast iron Brass	Acceptance of customization	Yes
Application	Industrial	Color	Accept customization
Package	plastic box Wooden box	Warranty	1 year
Tip: Customers with non-standard product requirements need to provide product drawings and communicate with the manufacturer.			

DN	L	H	D			D1			D2			n-φd		
			PN1.0	PN1.6	PN2.5	PN1.0	PN1.6	PN2.5	PN1.0	PN1.6	PN2.5	PN1.0	PN1.6	PN2.5
40	240	395	150	150	150	110	110	110	84	84	84	4--18	4--18	4--18
50	240	395	165	165	165	125	125	125	99	99	99	4--18	4--18	4--18
65	250	405	185	185	185	145	145	145	118	118	118	4--18	4--18	8--18
80	285	430	200	200	200	160	160	160	132	132	132	8--18	8--18	8--18
100	360	510	220	220	235	180	180	190	156	156	156	8--18	8--18	8--22
125	400	560	250	250	270	210	210	220	184	184	184	8--18	8--18	8--26
150	455	585	285	285	300	240	240	250	211	211	211	8--22	8--22	8--26
200	585	675	340	340	360	295	295	310	266	266	274	8--22	12--22	12--26
250	650	730	395	405	425	350	355	370	319	319	330	12--22	12--26	12--30
300	800	760	445	460	485	400	410	430	370	370	389	12--22	12--26	16--30
350	860	840	505	520	555	460	470	490	429	429	448	16--22	16--26	16--36
400	960	910	565	580	515	515	525	550	480	480	503	16--26	16--30	16--36
450	1075	1030	615	640	620	565	585	600	530	548	548	20--26	20--30	20--36
500	1130	1135	670	715	670	620	650	660	585	582	609	20--26	20--33	20--36
600	1230	1270	780	840	760	725	770	770	685	682	720	24--30	20--36	20--39
700	1650	1460	895	910	845	840	840	875	794	794	820	24--30	24--36	24--42

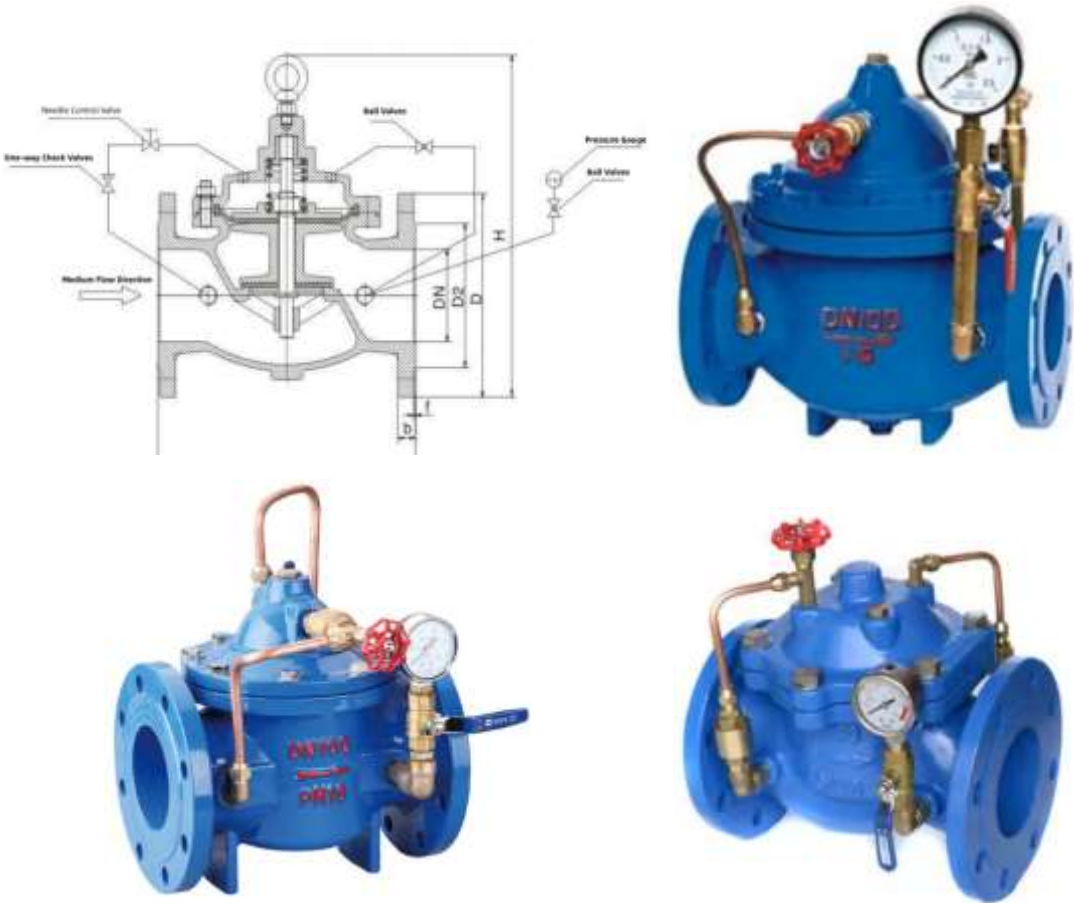


Slow-closing Muffler Check Valve

300X Slow-closing muffler check valve is characterized by novel structure, good sealing effect, small resistance, large flow rate and long service life. It can control the opening or closing speed of the main valve, and can be adjusted to the best working conditions with the site conditions, using the water hammer phenomenon to achieve the effect of slow-closing muffling.

- Product name classification
- Trench muffler check valve
- Trench Pressure Reducing Valve
- Trench Remote Control Float Valve

Product Specification Parameters			
Item Number	ST-v1005	Size	See attached table for details
Product Name	Slow-closing Muffler Check Valve	Applicable Media	water, water gas oil etc
Brand Name	Storaen	Applicable Temperature	30°C-80°C
Material	Cast iron Brass	Acceptance of customization	Yes
Application	Industrial	Color	Accept customization
Package	plastic box Wooden box	Warranty	1 year
Tip:Customers with non-standard product requirements need to provide product drawings and communicate with the manufacturer.			



Ball Check Valve

Ball check valve is a multi-ball, multi-channel, multi-cone inverted fluid structure of the check valve, mainly by the front and back valve body, rubber ball, cone body and so on.

The rubber ball adopts hollow steel ball with elastic rubber to ensure sealing and reduce the damage to the pipeline system in the process of valve closing. When the valve is opened, the conical body with holes can fix the steel ball and eliminate the pressure on the contact surface between the rubber ball and the conical body, so that the contact is surface contact, and reduce the hydraulic loss caused by the trembling of the rubber ball in the valve. In large piping system with three port or four port ball check valves can replace a large valve plate structure, reduce weight of valve plate, the passage is free-standing porous structure, sphere put in every hole, in the process of the liquid into the body and out of the way its, mutual interference, reduce impact and vibration in the process of valve, reduce the noise, and eliminate any running fault. Multi-channel spherical check valve has no joint parts (shaft and shaft sleeve exist, no relative mechanical friction movement, compared with swing check valve, no wearing parts exist, with a long service life, and no maintenance work.

Product Specification Parameters			
Item Number	ST-v1006	Size	See attached table for details
Product Name	Ball Check Valve	Applicable Media	water, water gas oil etc
Brand Name	Storaen	Applicable Temperature	≤100℃
Material	Cast iron Brass	Acceptance of customization	Yes
Application	Industrial	Color	Accept customization
Nominal Diameter	50 to 300mm	Connection Form	Flange
Package	plastic box Wooden box	Warranty	1 year
Tip: Customers with non-standard product requirements need to provide product drawings and communicate with the manufacturer.			

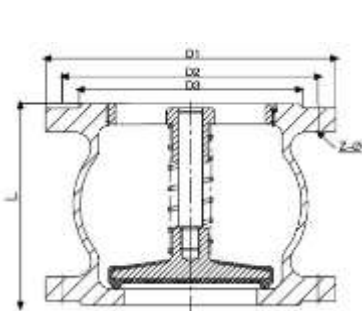
Specifications of Ball Check Valve							
Ball check Valve	flange thickness (mm)	flange outer circle (mm)	waterline height (mm)	waterline diameter (mm)	Height (mm)	Length (mm)	Weight (kg)
DN50	15	160	1.5	100	185	220	7.5
DN65	15	180	1.5	118	198	222	9
DN80	17	195	2	132	225	258	11.5
DN100	18.5	215	2	154	255	283	15.5
DN125	19	245	2	172	285	319	28
DN150	19	280	2	217	340	354	32
DN200	20	335	2	262	400	432	53
DN250	22	405	2.5	307	465	496	83
DN300	25	460	2.5	357	515	552	133



Muffler Check Valve

The role of the muffler check valve is to prevent the flow in the opposite direction, only allows the medium to flow in one direction. Usually this valve is automatic, in a direction of flow of fluid pressure, valve open; fluid flow in the opposite direction, by the fluid pressure and the valve flap of the self-gravity of the valve flap on the valve seat, thus cutting off the flow. Not suitable for use in media containing solid particles and viscosity.

Product Specification Parameters			
Item Number	ST-v1007	Size	See attached table for details
Product Name	Muffler Check Valve	Applicable Media	Water Weakly corrosive fluids
Brand Name	Storaen	Applicable Temperature	≤80
Material	White Steel Tool Steel Ceramic Tungsten Steel Bearing Steel	Acceptance of customization	Yes
Application	Industrial	Color	Primary Color
Package	plastic box Wooden box	Warranty	1 year
Tip:Customers with non-standard product requirements need to provide product drawings and communicate with the manufacturer.			



Specifications of Muffler Check Valve						
Nominal Pressure	Nominal Diameter	Size				
PN	DN					
(mm)	(mm)	L	D	K	b	Z-φd
1	40	112	145	110	18	4--18
	50	120	160	125	20	4--18
	65	130	180	145	20	4--18
	80	150	195	160	22	8--18
	100	165	215	180	24	8--18
	125	190	245	210	26	8--18
	150	210	280	240	26	8--22
	200	255	335	295	28	8--22
	250	310	390	350	28	12--22
	300	320	440	400	28	12--22
	350	380	500	460	30	16--22
	400	405	565	515	32	16--26
	450	430	615	565	32	20--26
	500	450	670	620	34	20--26
	600	510	780	725	36	20--30

Professionalism

Dedication