

TST Seal

PROVIDE CABLE AND PIPELINE
MCT SOLUTIONS FOR GLOBAL USERS

MODULAR CABLES/PIPELINES
MCT
SELECTION GUIDE



Domestic brand of fire-resistant cable duct sealing,
leading the innovation

Overcoming the problem of cable/pipeline
MCT in various fields

Serving over 3,000 users worldwide and
providing 10,000+MCT solutions

TST Seal CO., Ltd

Add: Buiding 3th, Security Technology Industrial Park,Guangming, Shenzhen, China (518100)

E alixich@tstcables.com

W www.sealmct.com

Eamil: alixich@tstcables.com

Phone: +86-18620301269

Web: www.sealmct.com

REPLACING TRADITIONAL FIRE PREVENTION, SEALING, AND BLOCKING TECHNOLOGICAL SOLUTIONS



New sealing technology; Authoritative certification;
Recognition in multi domain application



Support variable diameter and redundant design,
and strong versatility; Convenient post maintenance



Excellent raw materials, stable and durable, structurally
intact; Meet military quality control standards



TST Seal, professional and innovative approaches, creates safe and worry-free partition sealing solutions. From design to installation, provide professional support throughout the entire lifecycle, and tailored cable/pipeline partition and sealing solutions for you, also provides full chain professional technical services, making sealing solution worry-free because of us! "



SEAL ASSEMBLY

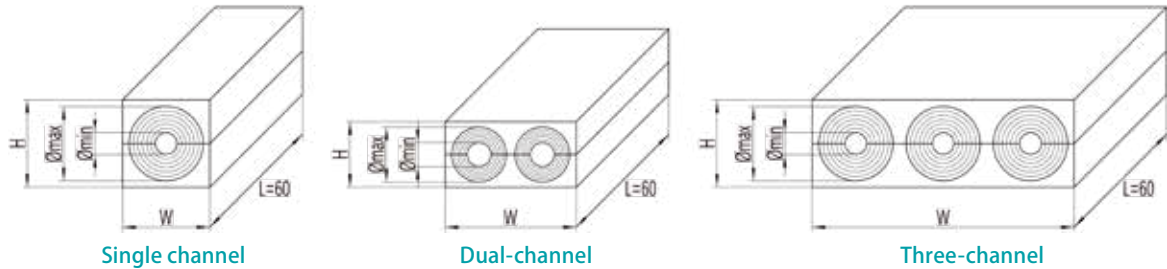
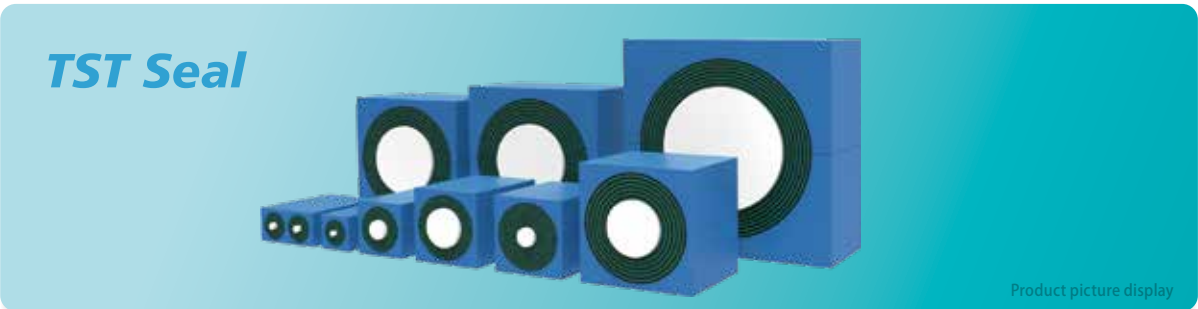
SEALING ACCESSORIES - RECTANGULAR

TSC-M SERIES SEALING MODULE

- The TSC-M Series sealing module, 60mm long, can easily adapt to different sizes of cables and pipelines, and can also be used as backup redundancy to meet future capacity requirements.

Material

ethylene propylene diene terpolymer (EPDM)
Used for cables or pipes with an outer diameter of 3-98mm



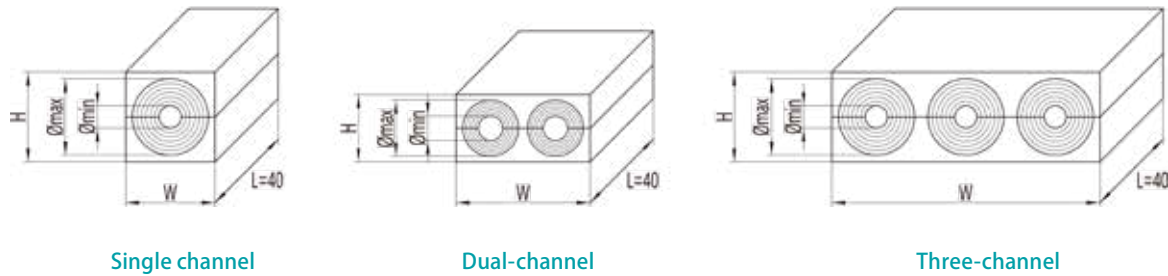
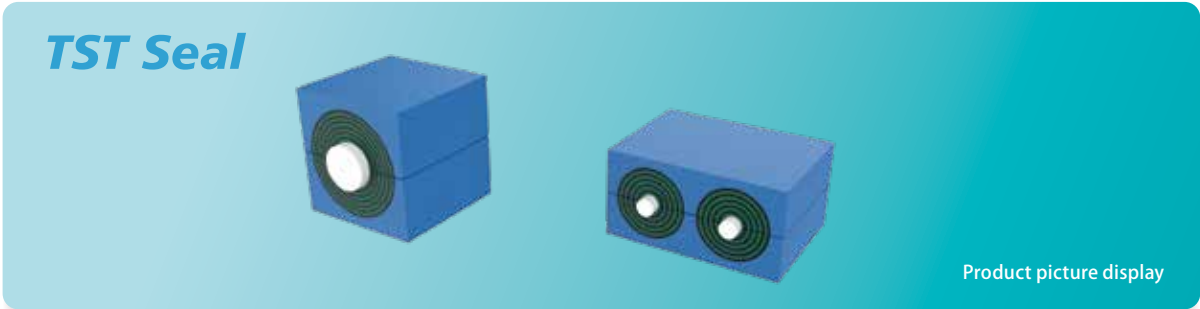
SPECIFICATION LIST (UNIT: MM)

Model	W	H	L	⊠min	⊠max	Quantity of channels	Variable diameter range	Mandrel
TSC - M15	15	15	60	3	11.4	1	3-11	有 With
TSC - Three-M40/H15	40	15	60	3	11.4	3	3-11	有 With
TSC - M20	20	20	60	3	15	1	3-14.5	有 With
TSC - M30	30	30	60	10.6	25	1	10.6-24.5	有 With
TSC - M40/H30	40	30	60	10.6	25	1	10.6-24.5	有 With
TSC - M40(10)	40	40	60	9.8	35	1	9.8-34.5	有 With
TSC - M40(21)	40	40	60	21	35	1	21-34.5	有 With
TSC - Double-M40	40	20	60	4	16	2	4-15.5	有 With
TSC - Three-M40	40	20	60	4	10	3	4-9.5	有 With
TSC - Four-M40	40	20	60	3.4	7	4	3.4-6.5	有 With
TSC - M60	60	60	60	27.6	54	1	27.6-53	有 With
TSC - M60/E	60	60	60	27.6	54	1	27.6-53	无 Without
TSC - Double-M60	60	30	60	9.6	26.4	2	9.6-26	有 With
TSC - Three-M60	60	20	60	4	16	3	4-15.5	有 With
TSC - M80	80	80	60	44.6	71	1	44.6-70	有 With
TSC - M80/E	80	80	60	44.6	71	1	44.6-70	无 Without
TSC - M90	90	90	60	46.2	77	1	46.2-76	有 With
TSC - M90/E	90	90	60	46.2	77	1	46.2-76	无 Without
TSC - M120	120	120	60	68.2	99	1	68.2-98	有 With
TSC - M120/E	120	120	60	68.2	99	1	68.2-98	无 Without
TSC - Four-M120	120	30	60	9.6	26.4	4	9.6-26	有 With
TSC - Five-M120	120	25	60	13.1	21.5	5	13.1-21	有 With

▸ TSC-M-2/3 Series sealing module

- The TSC-M-2/3 Series sealing module, 40mm long, can easily adapt to different sizes of cables and pipelines, and can also be used as backup redundancy to meet future capacity requirements.

Material
ethylene propylene diene terpolymer (EPDM)
Used for cables or pipes with an outer diameter of 3-34.5mm
Form a complete sealing system in combination with other corresponding rectangular sealing accessories.



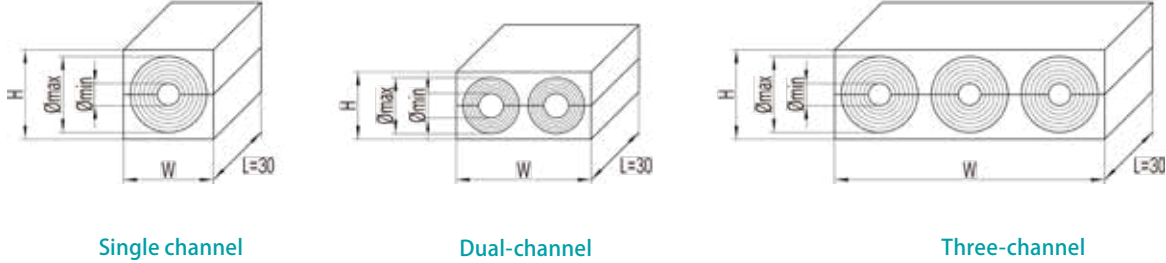
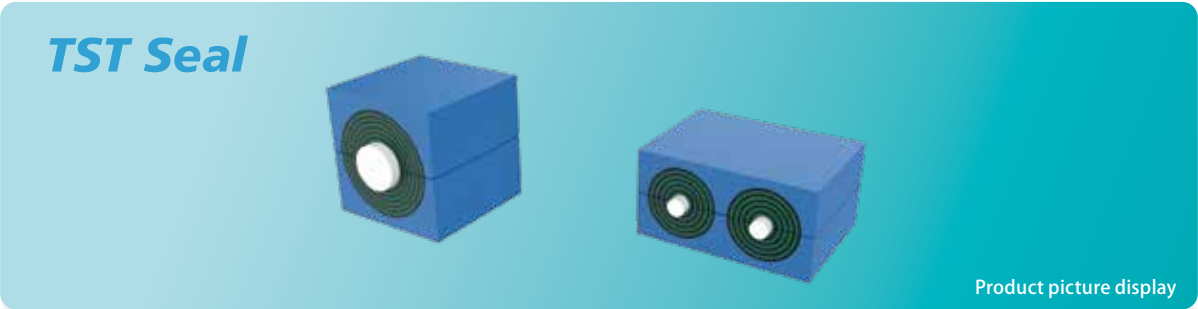
▸ SPECIFICATION LIST (UNIT: MM)

Model	W	H	L	⊠min	⊠max	Quantity of channels	Variable diameter range	Mandrel
TSC-M15-2/3	15	15	40	3	11.4	1	3-11	With
TSC-Three-M40/H15-2/3	40	15	40	3	11.4	3	3-11	With
TSC-M20-2/3	20	20	40	3	15	1	3-14.5	With
TSC-M30-2/3	30	30	40	10.6	25	1	10.6-24.5	With
TSC-M40/H30-2/3	40	30	40	10.6	25	1	10.6-24.5	With
TSC-M40(10) -2/3	40	40	40	9.8	35	1	9.8-34.5	With
TSC-M40(21)-2/3	40	40	40	21	35	1	21-34.5	With
TSC-Double-M40-2/3	40	20	40	4	16	2	4-15.5	With
TSC-Three-M40-2/3	40	20	40	4	10	3	4-9.5	With
TSC-Four-M40-2/3	40	20	40	3.4	7	4	3.4-6.5	With

▸ TSC-M-1/2 Series sealing module

- The TSC-M-1/2 Series sealing module, 30mm long, can easily adapt to different sizes of cables and pipelines, and can also be used as backup redundancy to meet future capacity requirements.

Material
ethylene propylene diene terpolymer (EPDM)
Used for cables or pipes with an outer diameter of 3-34.5mm
Form a complete sealing system in combination with other corresponding rectangular sealing accessories.



▸ SPECIFICATION LIST (UNIT: MM)

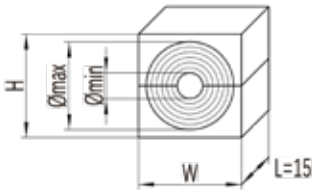
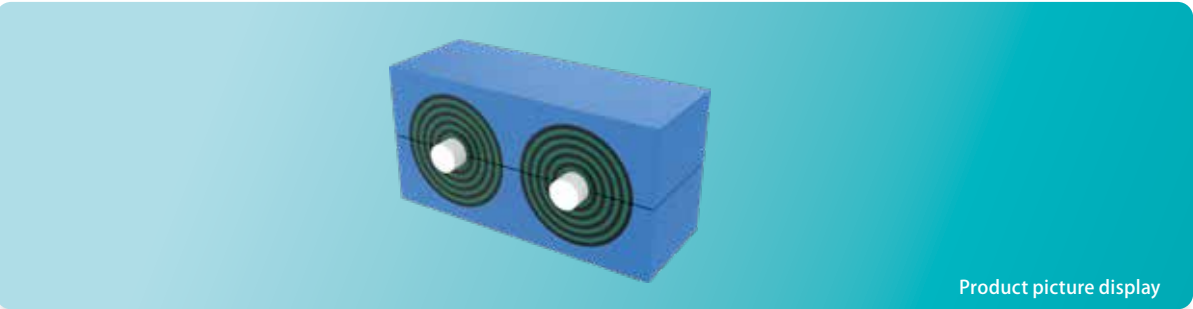
Model	W	H	L	⊠min	⊠max	Quantity of channels	Variable diameter range	Mandrel
TSC-M15-1/2	15	15	30	3	11.4	1	3-11	With
TSC-Three-M40/H15-1/2	40	15	30	3	11.4	3	3-11	With
TSC-M20-1/2	20	20	30	3	15	1	3-14.5	With
TSC-M30-1/2	30	30	30	10.6	25	1	10.6-24.5	With
TSC-M40/H30-1/2	40	30	30	10.6	25	1	10.6-24.5	With
TSC-M40(10) -1/2	40	40	30	9.8	35	1	9.8-34.5	With
TSC-M40(21)-1/2	40	40	30	21	35	1	21-34.5	With
TSC-Double-M40-1/2	40	20	30	4	16	2	4-15.5	With
TSC-Three-M40-1/2	40	20	30	4	10	3	4-9.5	With
TSC-Four-M40-1/2	40	20	30	3.4	7	4	3.4-6.5	With

▴ TSC-M-1/4 Series sealing module

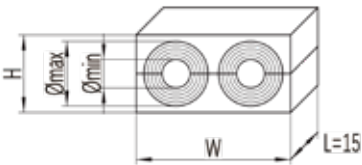
- The TSC-M-1/4 Series sealing module, 15mm long, is compatible with the T MES sealing system and can protect cables of different sizes.

Material

ethylene propylene diene terpolymer (EPDM)
Used for cables or pipes with an outer diameter of 3-34.5mm
Form a complete sealing system in combination with other corresponding rectangular sealing accessories.



Single channel



Dual-channel

▴ SPECIFICATION LIST (UNIT: MM)

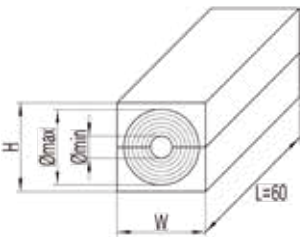
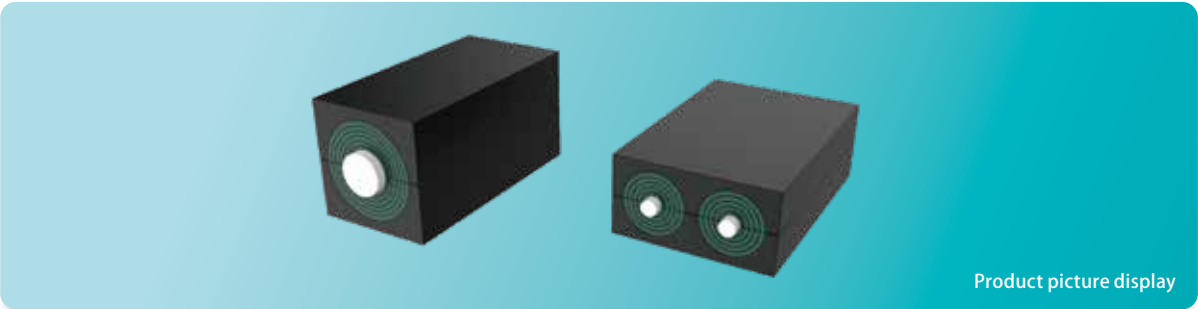
Model	W	H	L	⊠min	⊠max	Quantity of channels	Variable diameter range	Mandrel
TSC-M20-1/4	20	20	15	3	15	1	3-14.5	include
TSC-M40(10)-1/4	40	40	15	9.8	35	1	9.8-34.5	include
TSC-M40(21)-1/4	40	40	15	21	35	1	21-34.5	include
TSC-Double-M40-1/4	40	20	15	4	16	2	4-15.5	include
TSC-Three-M40-1/4	40	20	15	4	10	3	4-9.5	include
TSC-Four-M40-1/4	40	20	15	3.4	7	4	3.4-6.5	include

▴ TSC-M-HNBR Series sealing module

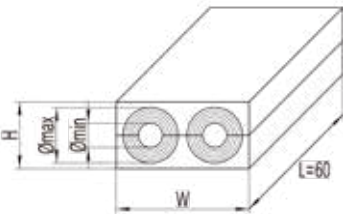
- The TSC-M-HNBR Series sealing module, 60mm long, can easily adapt to different sizes of cables and pipelines, and can also be used as backup redundancy to meet future capacity requirements, suitable for oil resistant and waterproof working conditions.

Material

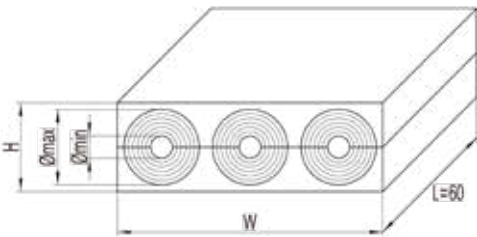
hydrogenated nitrile-butadiene rubber (HNBR)
Used for cables or pipes with an outer diameter of 3-53mm
Form a complete sealing system in combination with other corresponding rectangular sealing accessories.



Single channel



Dual-channel



Three-channel

▴ SPECIFICATION LIST (UNIT: MM)

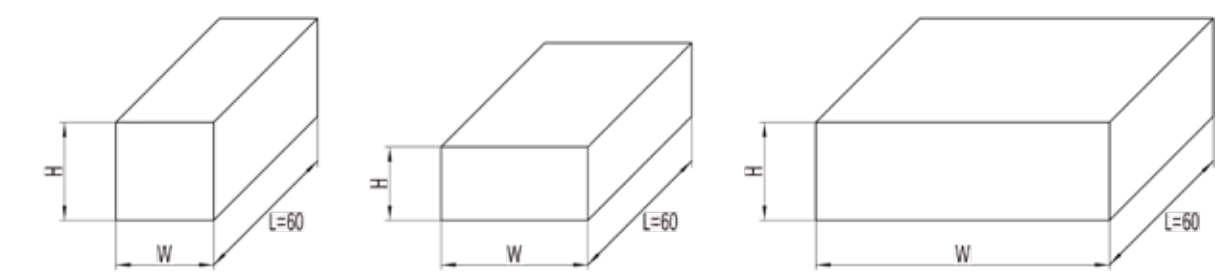
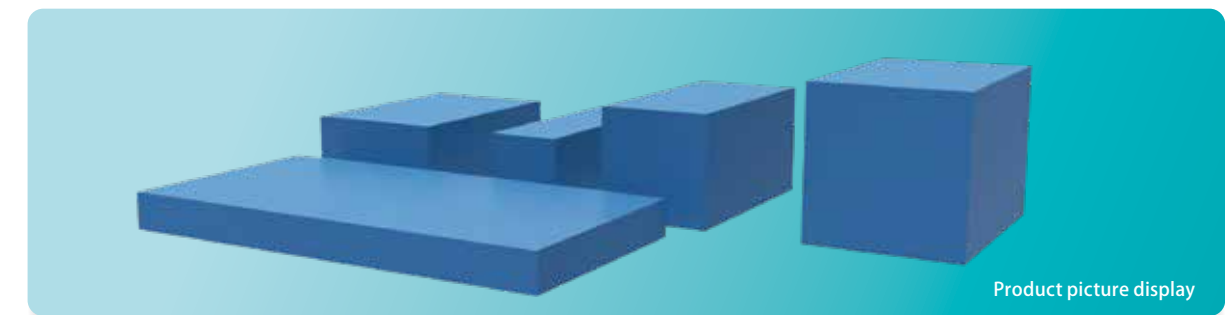
Model	W	H	L	⊠min	⊠max	Quantity of channels	Variable diameter range	Mandrel
TSC-M15-HNBR	15	15	40	3	11.4	1	3-11	Yes
TSC-Three-M40/H15-HNBR	40	15	40	3	11.4	3	3-11	Yes
TSC-M20-HNBR	20	20	40	3	15	1	3-14.5	Yes
TSC-M30-HNBR	30	30	40	10.6	25	1	10.6-24.5	Yes
TSC-M40(10)-HNBR	40	40	40	9.8	35	1	9.8-34.5	Yes
TSC-M40(21)-HNBR	40	40	40	21	35	1	21-34.5	Yes
TSC-Double-M40-HNBR	40	20	40	4	16	2	4-15.5	Yes
TSC-Three-M40-HNBR	40	20	40	4	10	3	4-9.5	Yes
TSC-Four-M40-HNBR	40	20	40	3.4	7	4	3.4-6.5	Yes
TSC-M60-HNBR	60	60	60	27.6	54	1	27.6-53	Yes

▣ TSC-E Series Blind Plug Module

- The TSC-E Series blind plug module, 60mm long, can be used as a redundant sealing system without the need for backup, and can fill excess sealing space to save costs or match better module configurations with standard frameworks.

Material

ethylene propylene diene terpolymer (EPDM)
Form a complete sealing system in combination with other corresponding rectangular sealing accessories.



▣ SPECIFICATION LIST (UNIT: MM)

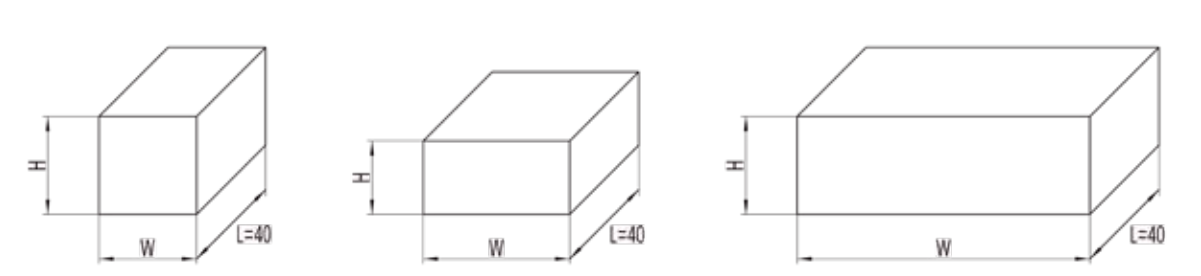
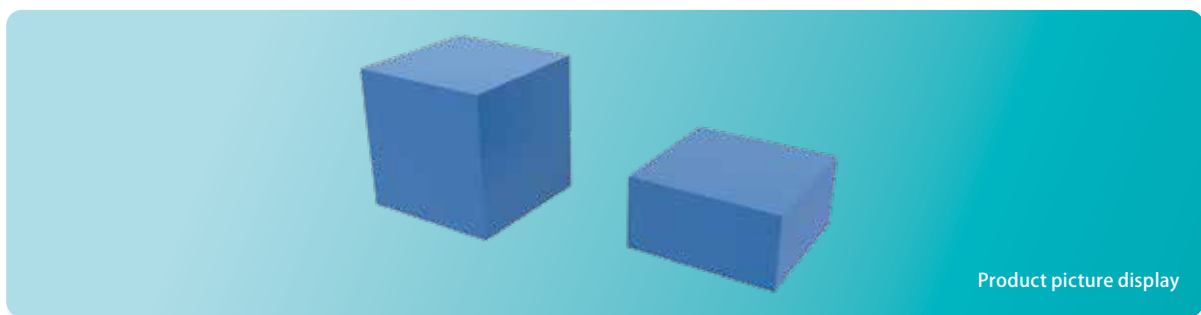
Model	W	H	L
TSC-E20×20	20	20	60
TSC-E30×30	30	30	60
TSC-E40×5	40	5	60
TSC-E40×10	40	10	60
TSC-E40×20	40	20	60
TSC-E40×40	40	40	60
TSC-E60×5	60	5	60
TSC-E60×10	60	10	60
TSC-E60×20	60	20	60
TSC-E60×60	60	60	60
TSC-E80×80	80	80	60
TSC-E90×90	90	90	60
TSC-E120×5	120	5	60
TSC-E120×10	120	10	60
TSC-E120×20	120	20	60
TSC-E120×120	120	120	60

▣ TSC-E-2/3 Series Bind Plug Module

- TSC-E-2/3 Series blind plug module, 40mm long, can be used as a redundant sealing system without the need for backup, and can fill excess sealing space to save costs or match better module configurations with standard frameworks.

Material

ethylene propylene diene terpolymer (EPDM)
Form a complete sealing system in combination with other corresponding rectangular sealing accessories.



▣ SPECIFICATION LIST (UNIT: MM)

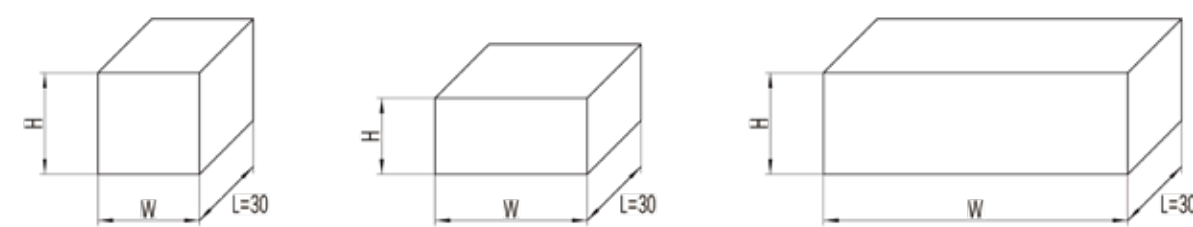
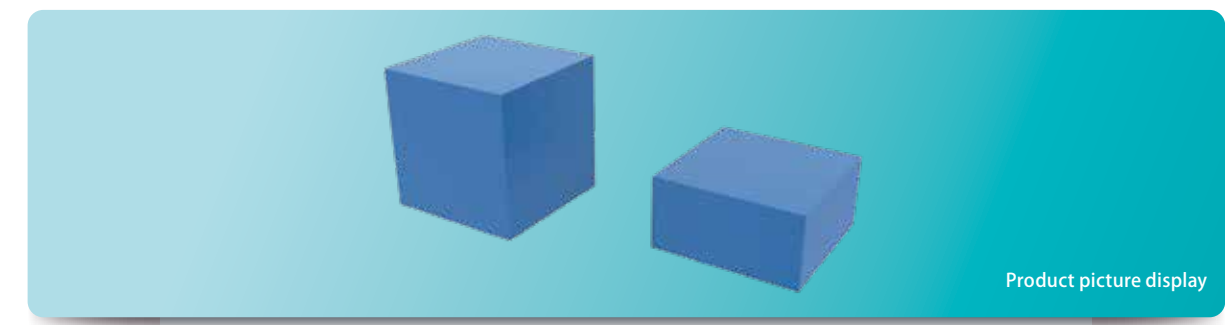
Model	W	H	L
TSC-E20×20-2/3	20	20	40
TSC-E30×30-2/3	30	30	40
TSC-E40×40-2/3	40	40	40
TSC-E40×20-2/3	40	20	40
TSC-E40×10-2/3	40	10	40
TSC-E40×5-2/3	40	5	40

➤ TSC-E-1/2 Series Bind Plug Module

- TSC-E-1/2 Series blind plug module, 30mm long, can be used as a redundant sealing system without the need for backup, and can fill excess sealing space to save costs or match better module configurations with standard frameworks.

Material

ethylene propylene diene terpolymer (EPDM)
Form a complete sealing system in combination with other corresponding rectangular sealing accessories.



➤ SPECIFICATION LIST (UNIT: MM)

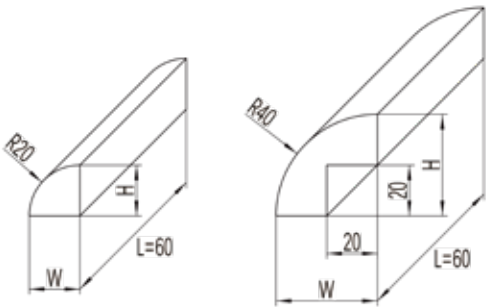
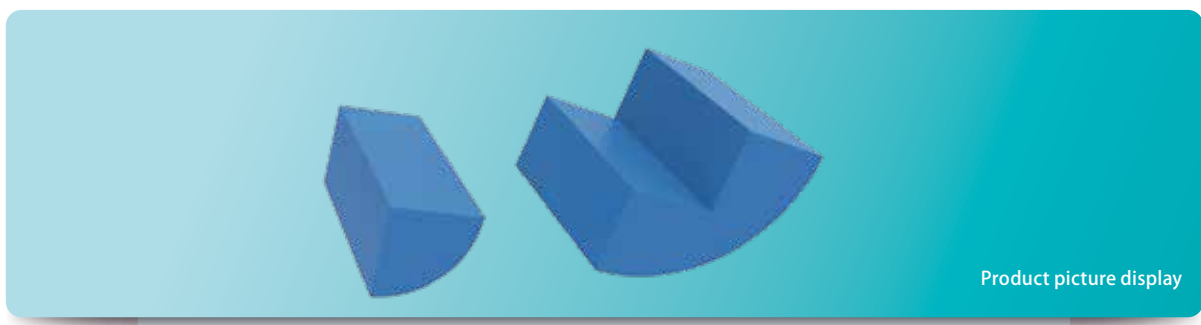
Model	W	H	L
TSC-E20×20-1/2	20	20	30
TSC-E30×30-1/2	30	30	30
TSC-E40×40-1/2	40	40	30
TSC-E40×20-1/2	40	20	30
TSC-E40×10-1/2	40	10	30
TSC-E40×5-1/2	40	5	30

➤ T RFM Series Blind Plug Module

- T RFM Series blind plug module, 60mm long, can be used as a blind plug module for T SWF-R20 and T SWF-R40 frames with larger rounded corners, filling the R rounded corners of the frame.

Material

Ethylene propylene diene terpolymer (EPDM)
Form a complete sealing system in combination with other corresponding rectangular sealing accessories.



➤ SPECIFICATION LIST (UNIT: MM)

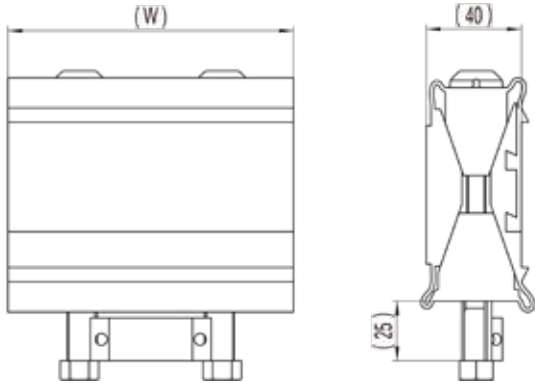
Model	W	H	L
T RFM-20	20	20	60
T RFM-40	40	40	60

└ TENSIONER

- The wedge structure’s tensioner is used in the frame corresponding to the rectangular sealing chamber, and can provide compression force for the cables, pipes, modules, and partitions installed in the sealing chamber to form a stable and reliable seal.

Material

ethylene propylene diene terpolymer (EPDM), metal material: 304 and 316L
Form a complete sealing system in combination with other corresponding rectangular sealing accessories.



└ SPECIFICATION LIST (UNIT: MM)

Model	Nominal size W matching the width of sealing chambe
Tensioner-120-304	120
Tensioner-60-304	60
Tensioner-50-304	50
Tensioner-40-304	40

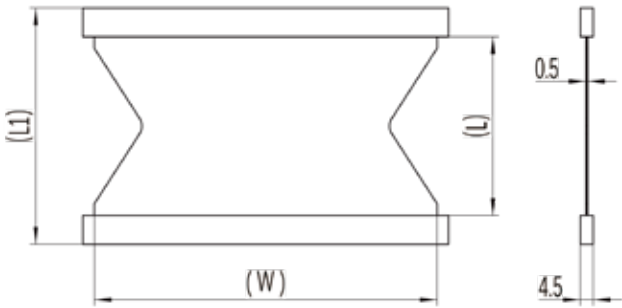
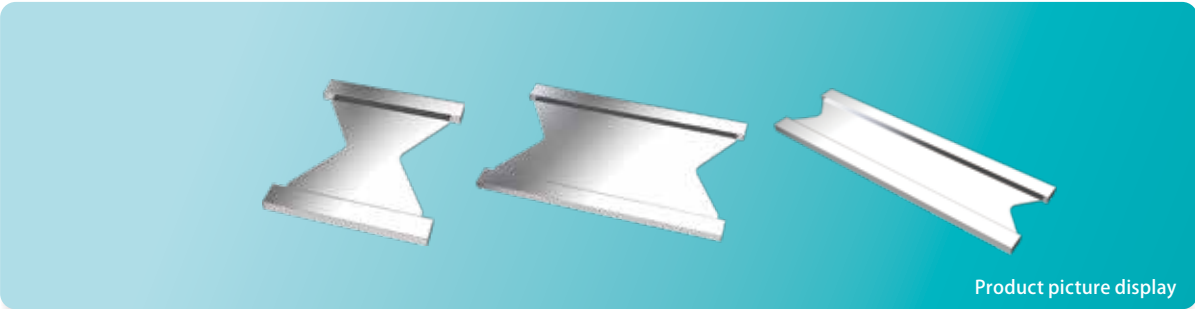
Note: The material of the metal parts in the list is 304. If 316L material is required, change the rear number “304” of the corresponding model to “316L”.

└ Interlayer

- Interlayer is installed between each layer of modules in the sealed cavity of a rectangular frame, and maintains the structural stability of modules when the modules are subjected to pulling forces or sealing and impact pressure from cables and pipelines.

Material

304 and 316L
Form a complete sealing system in combination with other corresponding rectangular sealing accessories.



└ SPECIFICATION LIST (UNIT: MM)

Model	L Nominal size L matching the length of sealing chamber	W Nominal size W matching the width of sealing chamber	L1
Interlayer-160-304	30	160	37
Interlayer-120-304	60	120	127
Interlayer-60-304	60	60	67
Interlayer-50-304	60	50	57
Interlayer-40-304	60	40	47

Note: The material of the metal parts in the list is 304. If 316L material is required, change the rear number “304” of the corresponding model to “316L”.

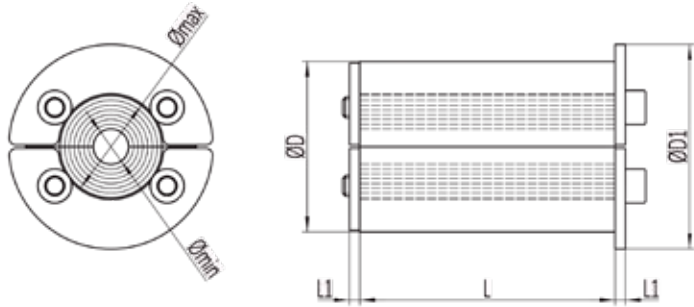
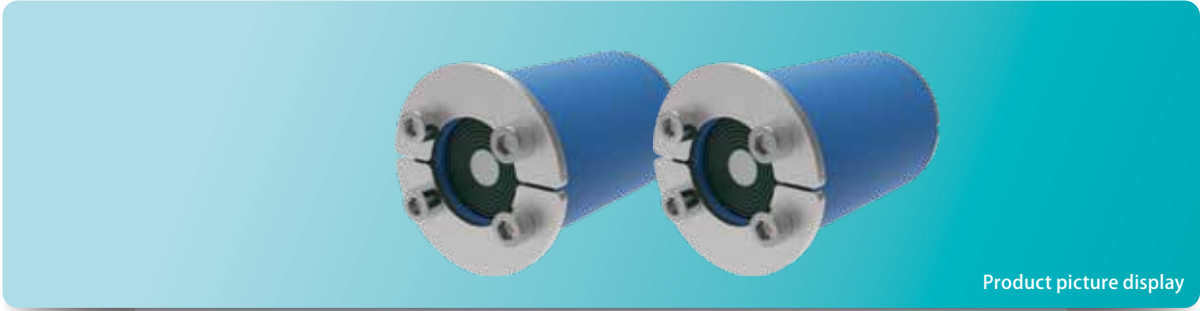
SEALING ACCESSORIES - CIRCULAR

TSR SERIES SEALING COMPONENTS

- The TSR Series sealing component is a circular hole sealing element, with a compression element integrated into the sealing element, and it is used for sealing a single cable or pipeline.

Material

ethylene propylene diene terpolymer (EPDM), metal material: 304 and 316L
Used for cables or pipelines with an outer diameter of 3.8-361mm
It can be directly installed around existing cables or pipelines with reserved holes, and can also form a complete sealing



SPECIFICATION LIST (UNIT: MM)

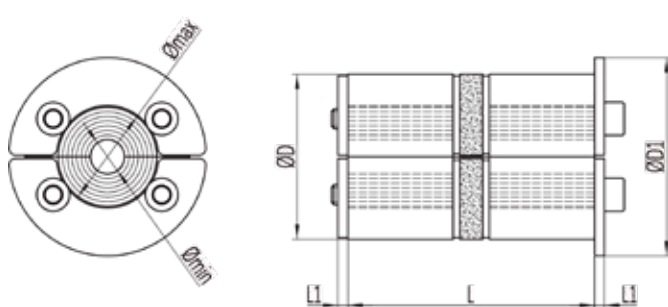
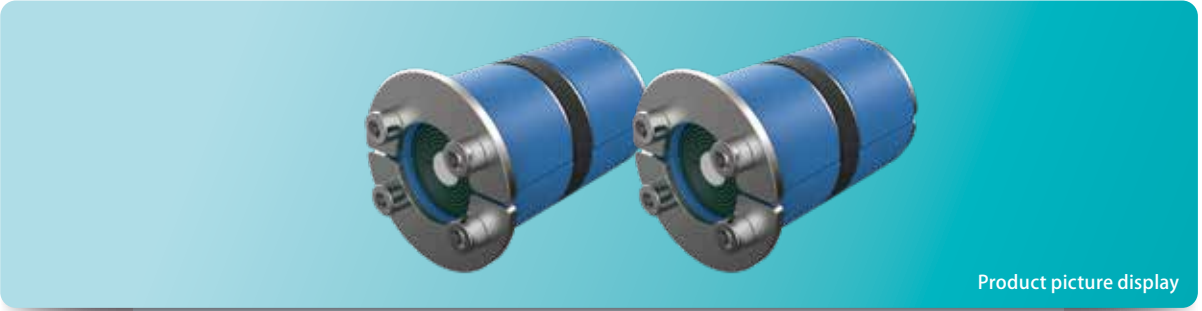
Model	⊠D	⊠D1	⊠min	⊠max	L	L1	Variable diameter range	Screw specification	Mandrel	Hole size
TSR25-304	25	30	3.8	11	36	3	3.8-10.5	M3	有 With	25-25.5
TSR31-304	31	36	3.8	15.8	36	3	3.8-15.3	M4	有 With	31-31.5
TSR43-304	43	49	3.8	23	75	3	3.8-22.5	M6	有 With	43-43.5
TSR50-304	50	60	10.4	30	75	3	10.4-29.5	M6	有 With	50-50.5
TSR68-304	68	78	26	48	73	5	26-47	M5	有 With	68-69
TSR75-304	75	85	24.2	55	75	6	24.2-54	M6	有 With	75-76
TSR100-304	100	110	48.6	75	75	8	48.6-74	M6	有 With	100-101
TSR125-304	125	135	69.2	100	75	8	69.2-99	M6	有 With	125-126
TSR150-304	150	160	93.6	120	75	8	93.6-119	M6	无 Without	150-152
TSR175-304	175	185	118.6	145	75	8	118.6-144	M6	无 Without	175-177
TSR200-304	200	210	126	170	70	8	126-169	M8	无 Without	200-202
TSR250-304	250	260	176	220	70	8	176-219	M8	无 Without	250-252
TSR300-304	300	310	221	265	70	8	221-264	M8	无 Without	300-302
TSR350-304	350	360	271	315	70	8	271-314	M10	无 Without	350-352
TSR400-304	400	412	318	362	70	10	318-361	M10	无 Without	400-402
TSR600-304	600	610	481.6	552	70	12	481.6-548	M12	无 Without	601-603
TSR650-304	650	660	531.6	602	70	12	531.6-598	M12	无 Without	651-653
TSR1000-304	1000	1010	861.6	932	70	16	861.6-928	M16	无 Without	1001-1003
TSR1100-304	1100	1110	956.6	1027	70	16	956.6-1023	M16	无 Without	1101-1103

TSR-FT Series sealing component

- The TSR-FT Series sealing component is a circular hole sealing element, with a compression element integrated into the sealing element, and it is used for sealing a single cable or pipeline. The FT model contains thermal expansion fireproof material for enhancing the fireproof sealing of PPS plastic pipes.

Material

ethylene propylene diene terpolymer (EPDM), metal material: 304 and 316L
Used for cables or pipes with an outer diameter of 3.8-119 mm
It can be directly installed around existing cables or pipelines with reserved holes, and can also form a complete sealing system together with other circular sealing accessories.



SPECIFICATION LIST (UNIT: MM)

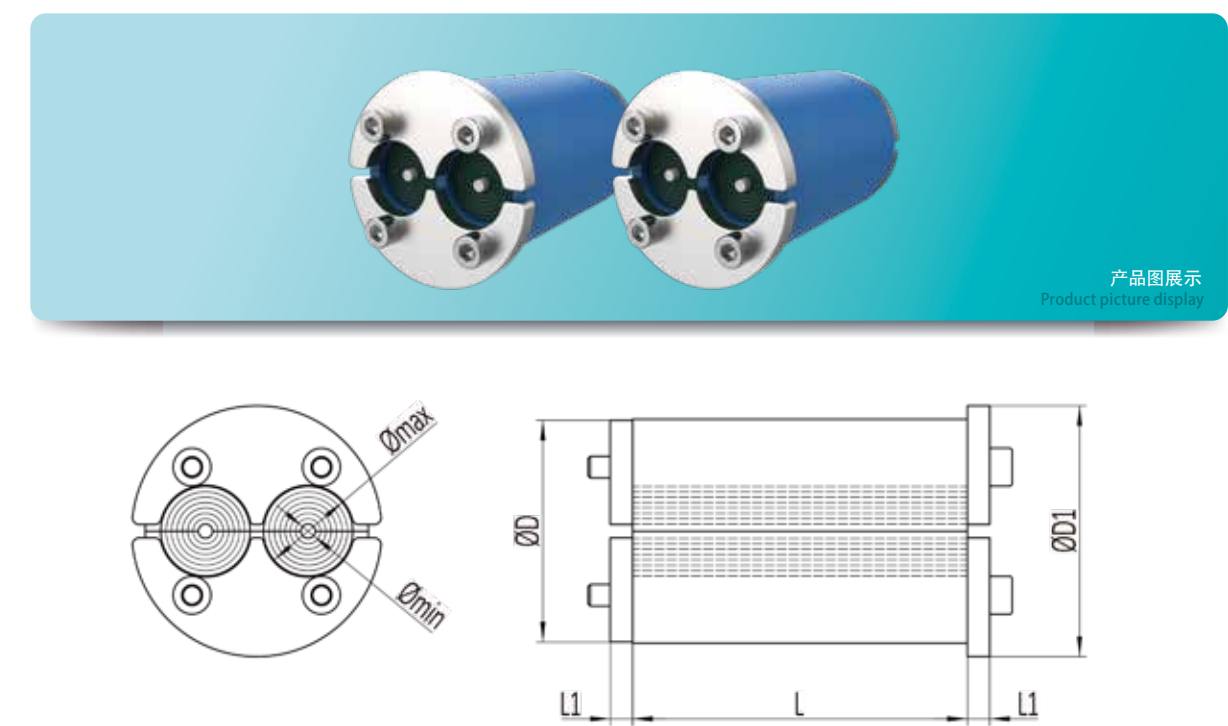
Model	⊠D	⊠D1	⊠min	⊠max	L	L1	Variable diameter range	Screw specification	Mandrel	Hole size
TSR-25-FT-304	25	30	3.8	11	36	3	3.8-10.5	M3	有 With	25-25.5
TSR-31-FT-304	31	36	3.8	15.8	36	3	3.8-15.3	M4	有 With	31-31.5
TSR-43-FT-304	43	49	3.8	23	75	3	3.8-22.5	M6	有 With	43-43.5
TSR-50-FT-304	50	60	10.4	30	75	3	10.4-29.5	M6	有 With	50-50.5
TSR-68-FT-304	68	78	26	48	73	5	26-47	M5	有 With	68-69
TSR-75-FT-304	75	85	24.2	55	75	6	24.2-54	M6	有 With	75-76
TSR-100-FT-304	100	110	48.6	75	75	8	48.6-74	M6	有 With	100-101
TSR-125-FT-304	125	135	69.2	100	75	8	69.2-99	M6	有 With	125-126

TSR x Series sealing components

- The TSR x Series sealing component is a circular hole sealing element, with a compression element integrated into the sealing element, and it can seal two or three cables or pipelines.

Material

ethylene propylene diene terpolymer (EPDM), metal material: 304 and 316L
Used for cables or pipes with an outer diameter of 3.2-19.5mm
It can be directly installed around existing cables or pipelines with reserved holes, and can also form a complete sealing



SPECIFICATION LIST (UNIT: MM)

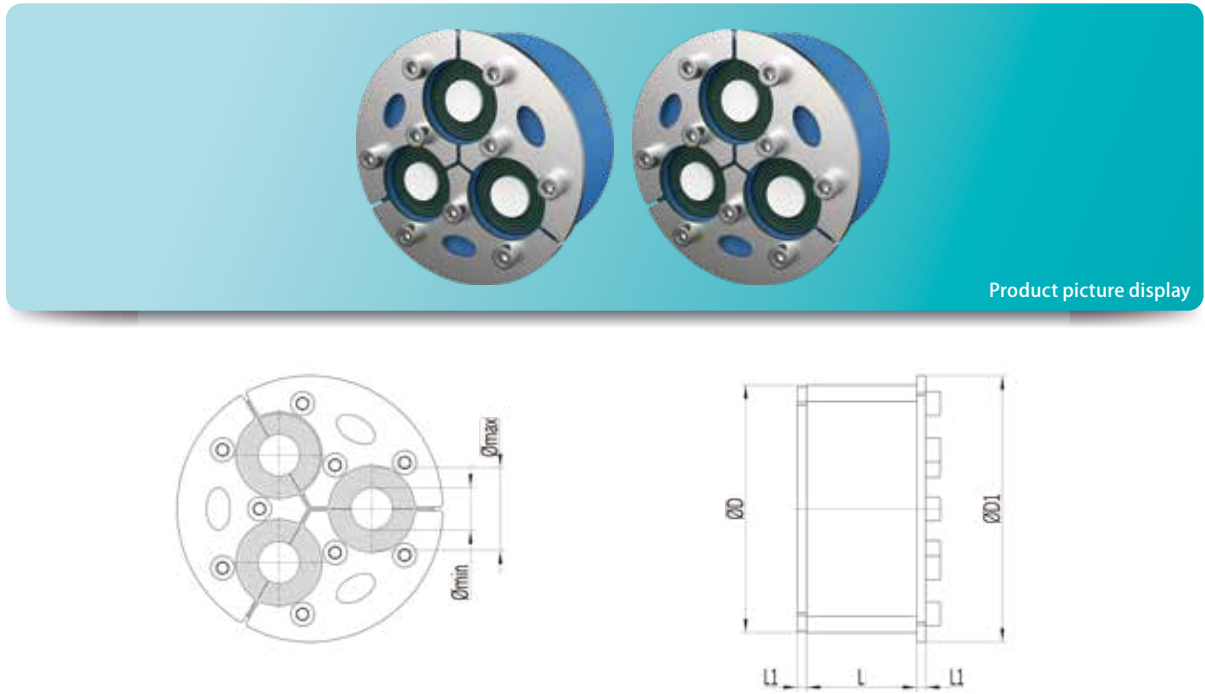
Model	⊠D	⊠D1	⊠min	⊠max	L	L1	Quantity of channels	Variable diameter range	Screw specification	Mandrel	Hole size
TSR50×2-304	50	56	3.2	20	75	5	2	3.2-19.5	M5	With	50-50.5
TSR68×3-304	68	74	4.6	19	75	5	3	4.6-18.5	M6	With	68-69

T TCS SERIES SEALING COMPONENT

- The T TCS Series sealing component is a circular hole sealing element, with a compression element integrated into the sealing element, and it can seal 1 to 3 cables or pipes of different diameters.

Material

ethylene propylene diene terpolymer (EPDM), metal material: 304 and 316L
Used for cables or pipes with an outer diameter of 5-69mm
It can be directly installed around existing cables or pipelines with reserved holes, and can also form a complete sealing system together with other circular sealing accessories.

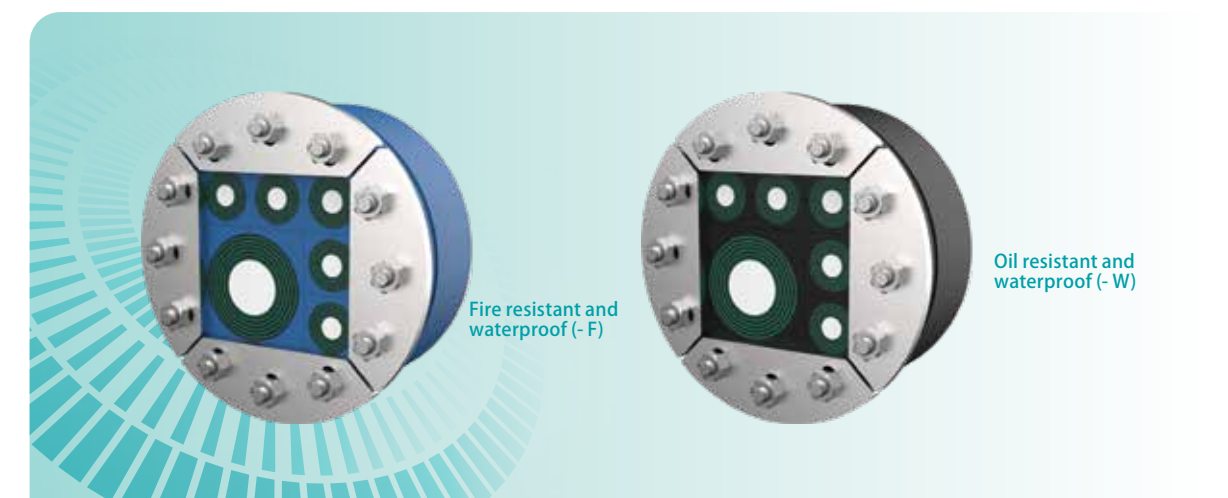


SPECIFICATION LIST (UNIT: MM)

Model	⊠D	⊠D1	⊠min	⊠max	L	L1	Quantity of channels	Variable diameter range	Screw specification	Mandrel	Hole size
T TCS-53.5-304	53.5	59.5	5	17	75	5	3	5-16.5	M6	With	53.5-54
T TCS-135-304	135	145	23	45	60	5	3	23-44	M8	With	135-136
T TCS-200-304	200	210	39.2	70	60	8	3	39.2-69	M8	With	200-202

RES SERIES SEALING COMPONENTS

- The RES Series sealing component consists of a circular square hole sealing frame and a TSC-M Series rectangular sealing module. The compression function is integrated into the sealing frame, with a compact structure. It is installed in a circular sleeve or pipeline, and is used for sealing single or multiple cables and pipelines. Fire-resistant, waterproof (- F) and oil resistant, waterproof (- W) rubber frame components are available.



PRODUCT COMPOSITION (FIRE RESISTANT AND WATERPROOF)



PRODUCT COMPOSITION (OIL RESISTANT AND WATERPROOF)



TECHNICAL INDICATORS

Fire resistance rating: GB23864 ≥ 2h, A-0, A-60 (applicable for fire-resistant and waterproof types)
Protection level: IP68
Water tightness: 0.4MPa
Air tightness: 0.2MPa
Oil tightness: 0.4MPa (suitable for oil resistant and waterproof types)
Life expectancy: 30 years

T REF SERIES RUBBER FRAME COMPONENTS

- The T REF Series sealing frame component is a circular square hole sealing frame, with compression components integrated into the frame. The square inner cavity can accommodate single or multiple modules, and seal cables or pipelines. Fire-resistant, waterproof (- F) and oil resistant, waterproof (- W) rubber frame components are available.

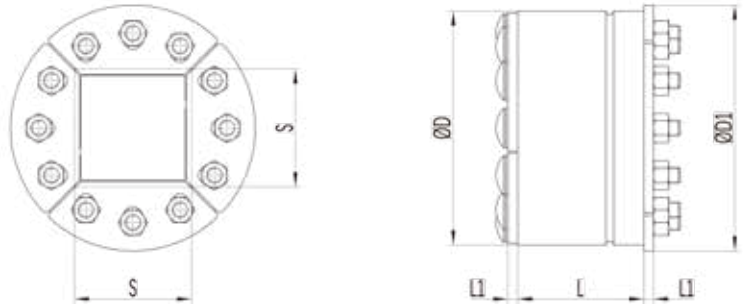
Material

fire-resistant and waterproof - ethylene propylene diene terpolymer (EPDM); Oil resistant and waterproof hydrogenated nitrile-butadiene rubber (HNBR)

Metal material: 304, 316L

Used for cables or pipes with an outer diameter of 3-98mm

It can be directly installed around existing cables or pipelines with reserved holes, and can also form a complete sealing system together with other circular sealing accessories.



SPECIFICATION LIST (UNIT: MM) (FIRE RESISTANT AND WATERPROOF TYPE)

Model	□D	□D1	L	L1	Square hole size	Screw specification	Hole size
T REF-40-F-304	80	85	65	5	40×40	8-M8x80	80.5-81
T REF-60-F-304	120	126	65	5	60×60	12-M8x90	121-122
T REF-80-F-304	140	146	65	5	80×80	12-M8x90	141-142
T REF-90-F-304	150	160	65	6	90×90	12-M8x90	151-152
T REF-120-F-304	200	210	65	8	90×90	12-M8x90	201-202

Model	□D	□D1	L	L1	Square hole size S	Screw specification	Hole size
T REF-40-W-304	80	85	65	5	40×40	8-M8x80	80.5-81
T REF-60-W-304	120	126	65	5	60×60	12-M8x90	121-122
T REF-80-W-304	140	146	65	5	80×80	12-M8x90	141-142
T REF-90-W-304	150	160	65	6	90×90	12-M8x90	151-152
T REF-120-W-304	200	210	65	8	90×90	12-M8x90	201-202

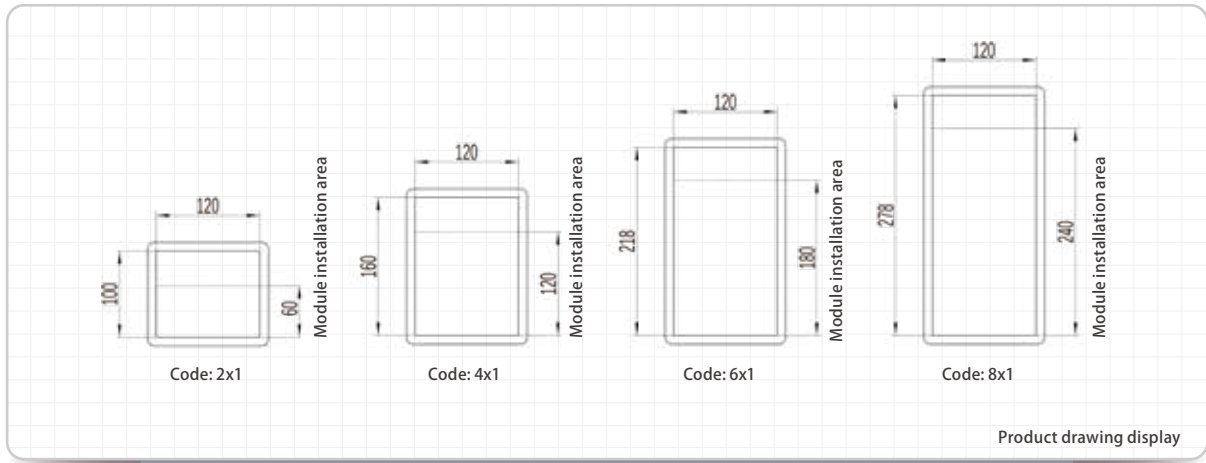
Note: The material of the metal parts in the list is 304. If 316L material is required, change the rear number "304" of the corresponding model to "316L".

FRAME - RECTANGLE

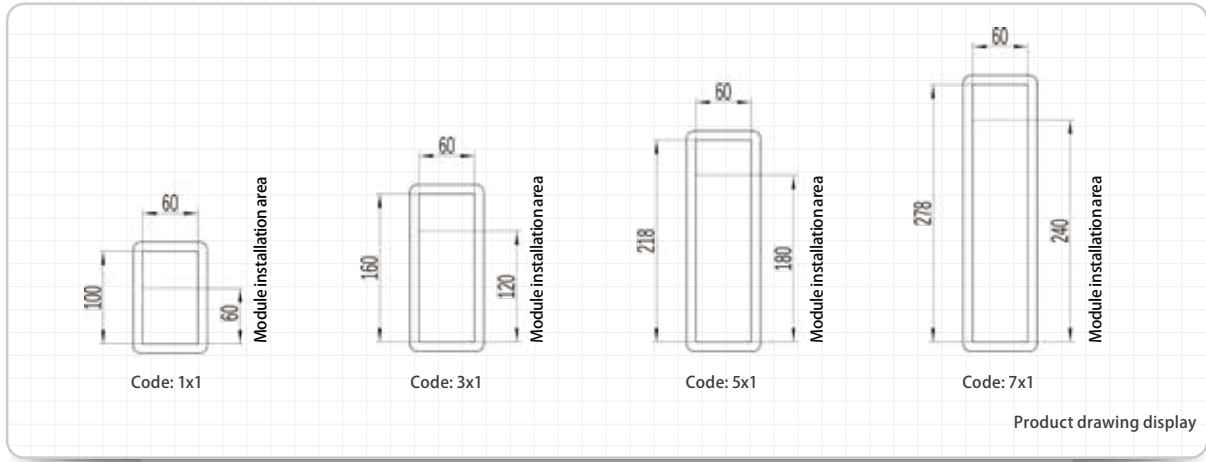
RECTANGULAR SERIES STANDARD SEALING CHAMBER

- The rectangular sealing chamber, composed of chambers with standard height and width dimensions, can be expanded in terms of columns and rows in both width and height directions to meet the spatial size requirements of the frame.

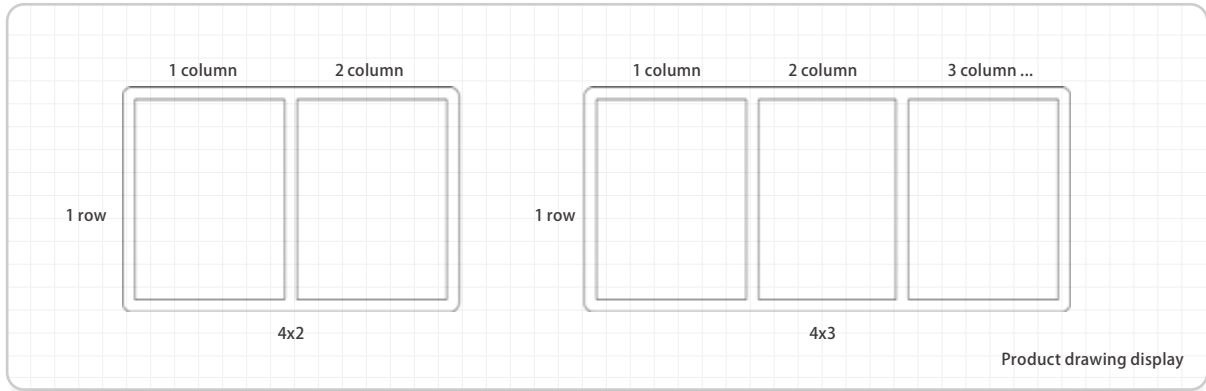
Specifications of standard sealing chamber



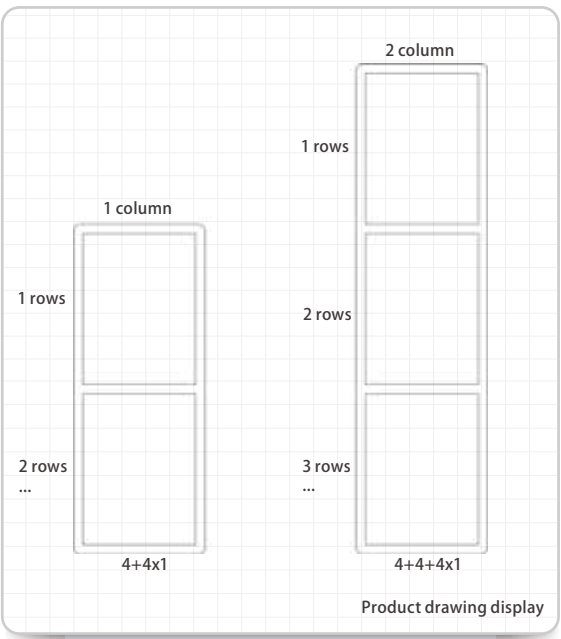
Specifications of narrow sealing chamber



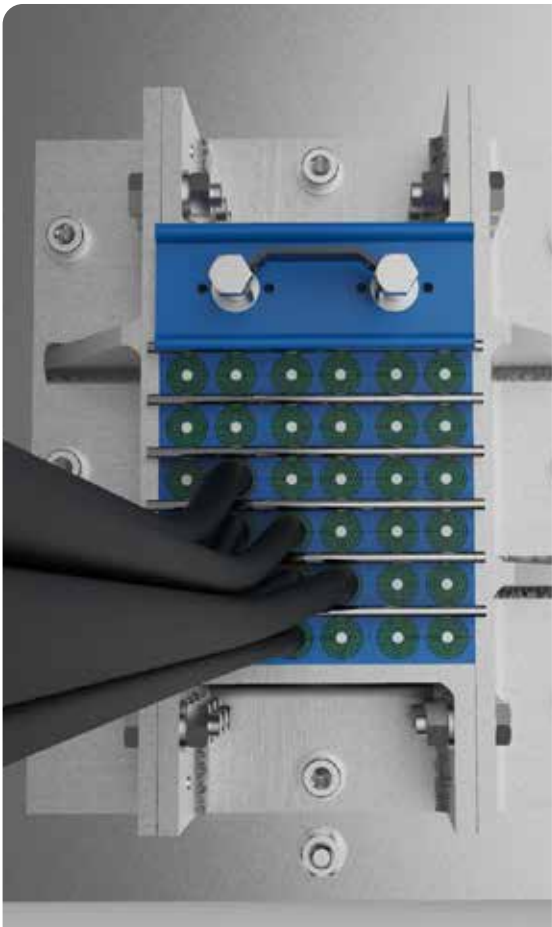
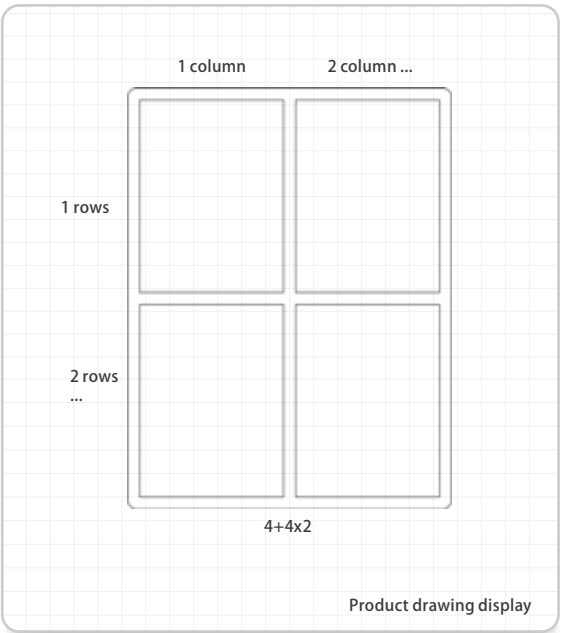
Expand the column (based on 4 × 1)



Expand the row (based on 4 × 1)



Expand both rows and columns simultaneously (based on 4 × 1)



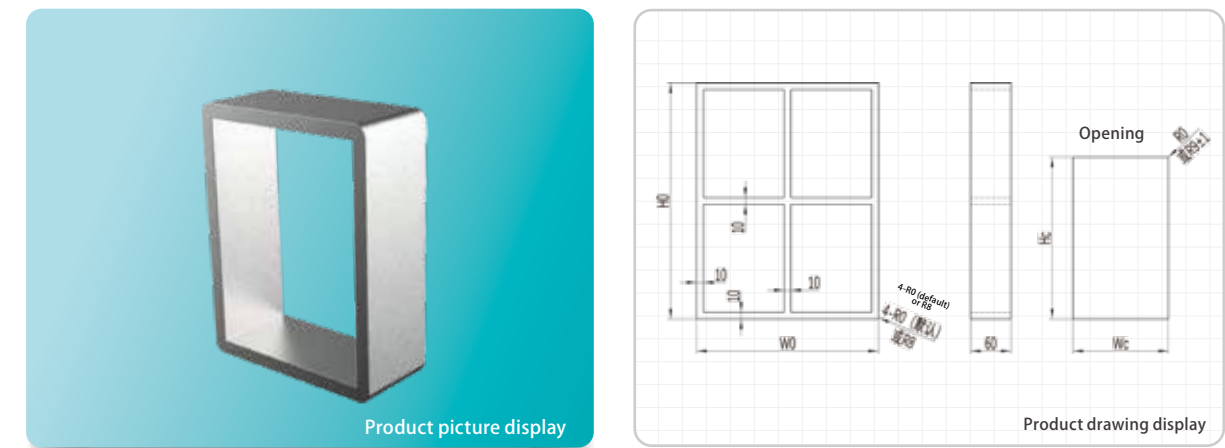
▲ RECTANGULAR WELDED FRAME

- T SWF-X+X...X×N-AO rectangular welded frame
 T SWF-X+X...X×N-AO frame is a metal frame that is welded to precisely perforated metal panels and provided in different materials. It has a combination of single or multiple sealing cavity openings in the width and height directions.

Material

304, 316L, Q345D (surface painted)

It can be welded onto metal panels with precise hole sizes, and form a complete sealing system in combination with other corresponding rectangular sealing accessories.



▲ SPECIFICATION LIST (UNIT: MM)

Model	Frame size		Screw specification	
	W0	H0	Wc±1	Hc±1
T SWF-2×1-AO-304	140	120	142	122
T SWF-2×2-AO-304	270	120	272	122
T SWF-2×3-AO-304	400	120	402	122
T SWF-2×4-AO-304	530	120	532	122
T SWF-4×1-AO-304	140	180	142	182
T SWF-4×2-AO-304	270	180	272	182
T SWF-4×3-AO-304	400	180	402	182
T SWF-4×4-AO-304	530	180	532	182
T SWF-4×5-AO-304	660	180	662	182
T SWF-4×6-AO-304	790	180	792	182
T SWF-6×1-AO-304	140	238	142	240
T SWF-6×2-AO-304	270	238	272	240
T SWF-6×3-AO-304	400	238	402	240
T SWF-6×4-AO-304	530	238	532	240
T SWF-6×5-AO-304	660	238	662	240
T SWF-6×6-AO-304	790	238	792	240
T SWF-6×7-AO-304	920	238	922	240
T SWF-6×8-AO-304	1050	238	1052	240
T SWF-8×1-AO-304	140	298	142	300
T SWF-8×2-AO-304	270	298	272	300
T SWF-8×3-AO-304	400	298	402	300
T SWF-8×4-AO-304	530	298	532	300
T SWF-8×5-AO-304	660	298	662	300
T SWF-8×6-AO-304	790	298	792	300
T SWF-8×7-AO-304	920	298	922	300
T SWF-8×8-AO-304	1050	298	1052	300
T SWF-8×9-AO-304	1180	298	1182	300
T SWF-8×10-AO-304	1310	298	1312	300

Model	Frame size		Screw specification	
	W0	H0	Wc±1	Hc±1
T SWF-2+2×1-AO-304	140	230	142	232
T SWF-2+2×2-AO-304	270	230	272	232
T SWF-2+2×3-AO-304	400	230	402	232
T SWF-2+2×4-AO-304	530	230	532	232
T SWF-4+4×1-AO-304	140	350	142	352
T SWF-4+4×2-AO-304	270	350	272	352
T SWF-4+4×3-AO-304	400	350	402	352
T SWF-4+4×4-AO-304	530	350	532	352
T SWF-4+4×5-AO-304	660	350	662	352
T SWF-4+4×6-AO-304	790	350	792	352
T SWF-6+6×1-AO-304	140	466	142	468
T SWF-6+6×2-AO-304	270	466	272	468
T SWF-6+6×3-AO-304	400	466	402	468
T SWF-6+6×4-AO-304	530	466	532	468
T SWF-6+6×5-AO-304	660	466	662	468
T SWF-6+6×6-AO-304	790	466	792	468
T SWF-6+6×7-AO-304	920	466	922	468
T SWF-6+6×8-AO-304	1050	466	1052	468
T SWF-8+8×1-AO-304	140	586	142	588
T SWF-8+8×2-AO-304	270	586	272	588
T SWF-8+8×3-AO-304	400	586	402	588
T SWF-8+8×4-AO-304	530	586	532	588
T SWF-8+8×5-AO-304	660	586	662	588
T SWF-8+8×6-AO-304	790	586	792	588
T SWF-8+8×7-AO-304	920	586	922	588
T SWF-8+8×8-AO-304	1050	586	1052	588
T SWF-6+6+6×1-AO-304	140	694	142	696
T SWF-6+6+6×2-AO-304	270	694	272	696
T SWF-6+6+6×3-AO-304	400	694	402	696
T SWF-6+6+6×4-AO-304	530	694	532	696
T SWF-8+8+8×1-AO-304	140	874	142	876
T SWF-8+8+8×2-AO-304	270	874	272	876
T SWF-8+8+8×3-AO-304	400	874	402	876
T SWF-8+8+8×4-AO-304	530	874	532	876

TAB 2

▲ SPECIFICATION LIST (NARROW) (UNIT: MM)

Model	Frame size		Screw specification	
	W0	H0	Wc±1	Hc±1
T SWF-1×1-AO-304	80	120	82	122
T SWF-3×1-AO-304	80	180	82	182
T SWF-5×1-AO-304	80	238	82	240
T SWF-7×1-AO-304	80	298	82	300
T SWF-1+1×1-AO-304	80	230	82	232
T SWF-3+3×1-AO-304	80	350	82	352
T SWF-5+5×1-AO-304	80	466	82	468
T SWF-7+7×1-AO-304	80	586	82	588

Note: The material of the frame in the list is 304. If 316L and Q345D is required, change the rear number "304" of the corresponding model to "316L" and "Q345D".

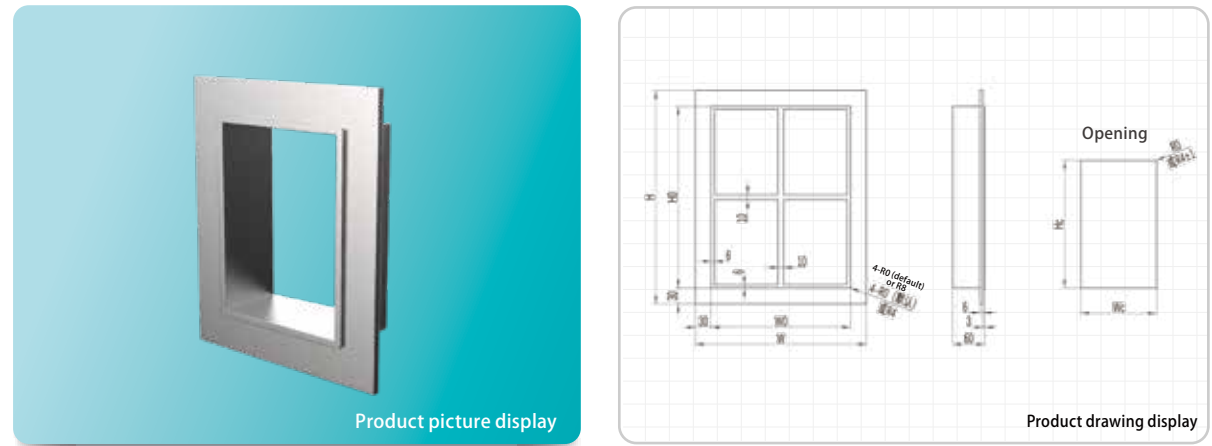
• T SWF-X+X...X×N-RO rectangular welded frame

T SWF-X+X... X × N-RO frame is a metal frame that is welded to a thick perforated metal panel through the flange edge of the frame (30 wide). The thick openings allow for a larger range of openings with reduced difficulty. It is provided in different materials, and contains a combination of single or multiple sealing cavity openings in the width and height directions.

Material

304, 316L, Q345D (surface painted)

It can be welded onto metal panels with large tolerance rough hole size, and form a complete sealing system in combination with other corresponding rectangular sealing accessories.



▲ SPECIFICATION LIST (UNIT: MM)

Model	Frame size		Flange size		Hole size	
	W0	H0	W	H	Wc±8	Hc±8
T SWF-2×1-RO-304	132	120	180	160	240	220
T SWF-2×2-RO-304	262	120	310	160	370	220
T SWF-2×3-RO-304	392	120	440	160	500	220
T SWF-2×4-RO-304	522	120	570	160	630	220
T SWF-4×1-RO-304	132	180	180	220	240	280
T SWF-4×2-RO-304	262	180	310	220	370	280
T SWF-4×3-RO-304	392	180	440	220	500	280
T SWF-4×4-RO-304	522	180	570	220	630	280
T SWF-4×5-RO-304	652	238	180	278	240	338
T SWF-4×6-RO-304	782	238	310	278	370	338
T SWF-6×1-RO-304	132	238	440	278	500	338
T SWF-6×2-RO-304	262	238	570	278	630	338
T SWF-6×3-RO-304	392	298	180	338	240	398
T SWF-6×4-RO-304	522	298	310	338	370	398
T SWF-6×5-RO-304	652	298	440	338	500	398
T SWF-6×6-RO-304	782	298	570	338	630	398
T SWF-6×7-RO-304	912	350	180	390	240	450
T SWF-6×8-RO-304	1042	350	310	390	370	450
T SWF-8×1-RO-304	132	350	440	390	500	450
T SWF-8×2-RO-304	262	350	570	390	630	450
T SWF-8×3-RO-304	392	466	180	506	240	566
T SWF-8×4-RO-304	522	466	310	506	370	566
T SWF-8×5-RO-304	652	466	440	506	500	566
T SWF-8×6-RO-304	782	466	570	506	630	566
T SWF-8×7-RO-304	912	586	180	626	240	686
T SWF-8×8-RO-304	1042	586	310	626	370	686
T SWF-8×9-RO-304	1172	586	440	626	500	686
T SWF-8×10-RO-304	1302	586	570	626	630	686

Model	Frame size		Flange size		Hole size	
	W0	H0	W	H	Wc±8	Hc±8
T SWF-2+2×1-RO-304	132	222	192	282	154	244
T SWF-2+2×2-RO-304	262	222	322	282	284	244
T SWF-2+2×3-RO-304	392	222	452	282	414	244
T SWF-2+2×4-RO-304	522	222	582	282	544	244
T SWF-4+4×1-RO-304	132	342	192	402	154	364
T SWF-4+4×2-RO-304	262	342	322	402	284	364
T SWF-4+4×3-RO-304	392	342	452	402	414	364
T SWF-4+4×4-RO-304	522	342	582	402	544	364
T SWF-4+4×5-RO-304	652	342	712	402	674	364
T SWF-4+4×6-RO-304	782	342	842	402	804	364
T SWF-6+6×1-RO-304	132	458	192	518	154	480
T SWF-6+6×2-RO-304	262	458	322	518	284	480
T SWF-6+6×3-RO-304	392	458	452	518	414	480
T SWF-6+6×4-RO-304	522	458	582	518	544	480
T SWF-6+6×5-RO-304	652	458	712	518	674	480
T SWF-6+6×6-RO-304	782	458	842	518	804	480
T SWF-6+6×7-RO-304	912	458	972	518	934	480
T SWF-6+6×8-RO-304	1042	458	1102	518	1064	480
T SWF-8+8×1-RO-304	132	578	192	638	154	600
T SWF-8+8×2-RO-304	262	578	322	638	284	600
T SWF-8+8×3-RO-304	392	578	452	638	414	600
T SWF-8+8×4-RO-304	522	578	582	638	544	600
T SWF-8+8×5-RO-304	652	578	712	638	674	600
T SWF-8+8×6-RO-304	782	578	842	638	804	600
T SWF-8+8×7-RO-304	912	578	972	638	934	600
T SWF-8+8×8-RO-304	1042	578	1102	638	1064	600
T SWF-6+6+6×1-RO-304	132	686	192	746	154	708
T SWF-6+6+6×2-RO-304	262	686	322	746	284	708
T SWF-6+6+6×3-RO-304	392	686	452	746	414	708
T SWF-6+6+6×4-RO-304	522	686	582	746	544	708
T SWF-8+8+8×1-RO-304	132	866	192	926	154	888
T SWF-8+8+8×2-RO-304	262	866	322	926	284	888
T SWF-8+8+8×3-RO-304	392	866	452	926	414	888
T SWF-8+8+8×4-RO-304	522	866	582	926	544	888

TAB2

▲ SPECIFICATION LIST (NARROW) (UNIT: MM)

Model	Frame size		Flange size		Hole size	
	W0	H0	W	H	Wc±8	Hc±8
T SWF-1×1-RO-304	72	112	132	172	94	134
T SWF-3×1-RO-304	72	172	132	232	94	194
T SWF-5×1-RO-304	72	230	132	290	94	252
T SWF-7×1-RO-304	72	290	132	350	94	312
T SWF-1+1×1-RO-304	72	222	132	282	94	244
T SWF-3+3×1-RO-304	72	342	132	402	94	364
T SWF-5+5×1-RO-304	72	458	132	518	94	480
T SWF-7+7×1-RO-304	72	578	132	638	94	600

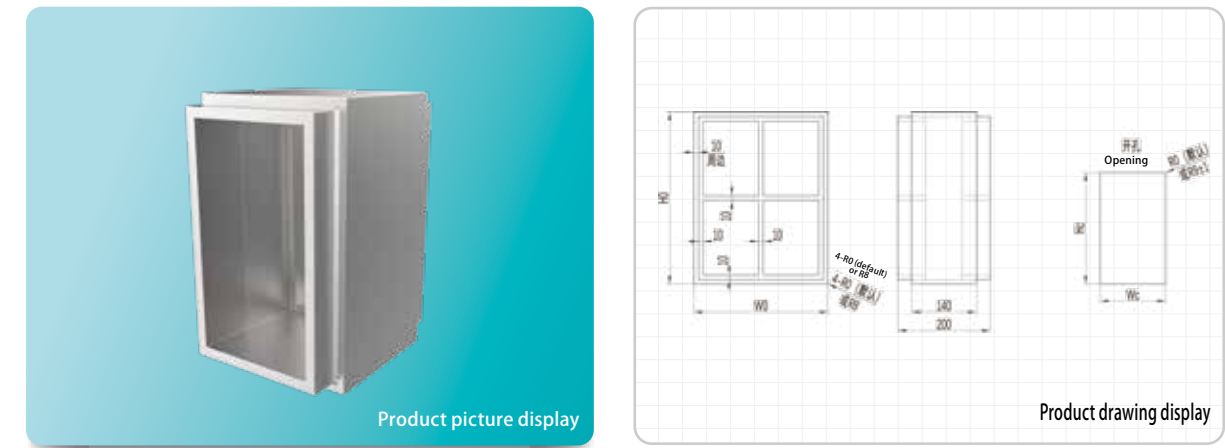
Note: The material of the frame in the list is 304. If 316L and Q345D is required, change the rear number "304" of the corresponding model to "316L" and "Q345D".

• T SWF/BTB-X+X...X×N-AO rectangular welded frame

T SWF/BTB-X+X...X×N-AO frame is a back-to-back metal frame welded to precisely perforated metal panels. Fireproof sealing modules can be installed on both sides of the frame to improve the protection capability. It is provided in different materials, and contains a combination of single or multiple sealing cavity openings in the width and height directions.

Material

304, 316L, Q345D (surface painted)
It can be welded onto metal panels with precise hole size, and form a complete sealing system in combination with other corresponding rectangular sealing accessories.



▴ SPECIFICATION LIST (UNIT: MM)

Model	Frame size		Screw specification	
	W0	H0	Wc±1	Hc±1
T SWF/BTB-2×1-AO-304	160	140	162	142
T SWF/BTB-2×2-AO-304	290	140	292	142
T SWF/BTB-2×3-AO-304	420	140	422	142
T SWF/BTB-2×4-AO-304	550	140	552	142
T SWF/BTB-4×1-AO-304	160	200	162	202
T SWF/BTB-4×2-AO-304	290	200	292	202
T SWF/BTB-4×3-AO-304	420	200	422	202
T SWF/BTB-4×4-AO-304	550	200	552	202
T SWF/BTB-4×5-AO-304	680	200	682	202
T SWF/BTB-4×6-AO-304	810	200	812	202
T SWF/BTB-6×1-AO-304	160	258	162	260
T SWF/BTB-6×2-AO-304	290	258	292	260
T SWF/BTB-6×3-AO-304	420	258	422	260
T SWF/BTB-6×4-AO-304	550	258	552	260
T SWF/BTB-6×5-AO-304	680	258	682	260
T SWF/BTB-6×6-AO-304	810	258	812	260
T SWF/BTB-6×7-AO-304	940	258	942	260
T SWF/BTB-6×8-AO-304	1070	258	1072	260
T SWF/BTB-8×1-AO-304	160	318	162	320
T SWF/BTB-8×2-AO-304	290	318	292	320
T SWF/BTB-8×3-AO-304	420	318	422	320
T SWF/BTB-8×4-AO-304	550	318	552	320
T SWF/BTB-8×5-AO-304	680	318	682	320
T SWF/BTB-8×6-AO-304	810	318	812	320
T SWF/BTB-8×7-AO-304	940	318	942	320
T SWF/BTB-8×8-AO-304	1070	318	1072	320
T SWF/BTB-8×9-AO-304	1200	318	1202	320
T SWF/BTB-8×10-AO-304	1330	318	1332	320

TAB 1

Model	Frame size		Screw specification	
	W0	H0	Wc±1	Hc±1
T SWF/BTB-2+2×1-AO-304	160	250	162	252
T SWF/BTB-2+2×2-AO-304	290	250	292	252
T SWF/BTB-2+2×3-AO-304	420	250	422	252
T SWF/BTB-2+2×4-AO-304	550	250	552	252
T SWF/BTB-4+4×1-AO-304	160	370	162	372
T SWF/BTB-4+4×2-AO-304	290	370	292	372
T SWF/BTB-4+4×3-AO-304	420	370	422	372
T SWF/BTB-4+4×4-AO-304	550	370	552	372
T SWF/BTB-4+4×5-AO-304	680	370	682	372
T SWF/BTB-4+4×6-AO-304	810	370	812	372
T SWF/BTB-6+6×1-AO-304	160	486	162	488
T SWF/BTB-6+6×2-AO-304	290	486	292	488
T SWF/BTB-6+6×3-AO-304	420	486	422	488
T SWF/BTB-6+6×4-AO-304	550	486	552	488
T SWF/BTB-6+6×5-AO-304	680	486	682	488
T SWF/BTB-6+6×6-AO-304	810	486	812	488
T SWF/BTB-6+6×7-AO-304	940	486	942	488
T SWF/BTB-6+6×8-AO-304	1070	486	1072	488
T SWF/BTB-8+8×1-AO-304	160	606	162	608
T SWF/BTB-8+8×2-AO-304	290	606	292	608
T SWF/BTB-8+8×3-AO-304	420	606	422	608
T SWF/BTB-8+8×4-AO-304	550	606	552	608
T SWF/BTB-8+8×5-AO-304	680	606	682	608
T SWF/BTB-8+8×6-AO-304	810	606	812	608
T SWF/BTB-8+8×7-AO-304	940	606	942	608
T SWF/BTB-8+8×8-AO-304	1070	606	1072	608
T SWF/BTB-6+6+6×1-AO-304	160	714	162	716
T SWF/BTB-6+6+6×2-AO-304	290	714	292	716
T SWF/BTB-6+6+6×3-AO-304	420	714	422	716
T SWF/BTB-6+6+6×4-AO-304	550	714	552	716
T SWF/BTB-8+8+8×1-AO-304	160	894	162	896
T SWF/BTB-8+8+8×2-AO-304	290	894	292	896
T SWF/BTB-8+8+8×3-AO-304	420	894	422	896
T SWF/BTB-8+8+8×4-AO-304	550	894	552	896

表 2

▴ SPECIFICATION LIST (NARROW) (UNIT: MM)

Model	Frame size		Screw specification	
	W0	H0	Wc±1	Hc±1
T SWF/BTB-1×1-AO-304	100	140	102	142
T SWF/BTB-3×1-AO-304	100	200	102	202
T SWF/BTB-5×1-AO-304	100	258	102	260
T SWF/BTB-7×1-AO-304	100	318	102	320
T SWF/BTB-1+1×1-AO-304	100	250	102	252
T SWF/BTB-3+3×1-AO-304	100	370	102	372
T SWF/BTB-5+5×1-AO-304	100	486	102	488
T SWF/BTB-7+7×1-AO-304	100	606	102	608

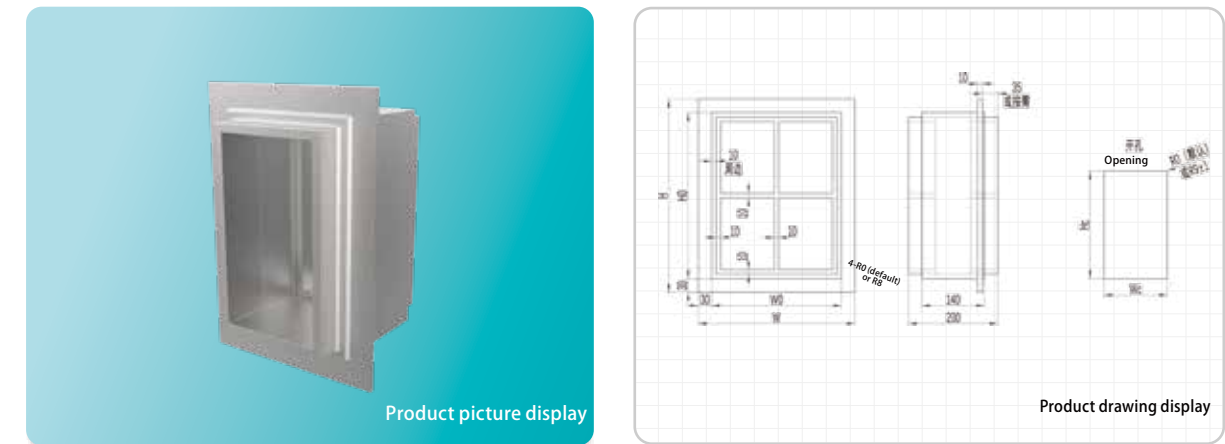
Note: The material of the frame in the list is 304. If 316L and Q345D is required, change the rear number "304" of the corresponding model to "316L" and "Q345D".

• T SWF/BTB-X+X...X×N-RO rectangular welded frame

T SWF/BTB-X+X...X×N-RO type frame is a back-to-back metal frame welded to a thick perforated metal panel through the frame flange edge (30 wide), and fireproof sealing modules can be install on both sides of the frame to improve its protection capability. The thick openings allow for a larger range of openings with lower requirement for opening tolerance. It is provided in different materials and contains a combination of single or multiple sealing chamber openings in both width and height directions.

Material

304, 316L, Q345D (surface painted)
It can be welded onto metal panels with large tolerance rough hole size, and form a complete sealing system in combination with other corresponding rectangular sealing accessories.



▸ SPECIFICATION LIST (UNIT: MM)

Model	Frame size		Flange size		Hole size	
	W0	H0	W	H	Wc±8	Hc±8
T SWF/BTB-2×1-RO-304	160	120	220	200	182	162
T SWF/BTB-2×2-RO-304	290	120	350	200	312	162
T SWF/BTB-2×3-RO-304	420	120	480	200	442	162
T SWF/BTB-2×4-RO-304	550	120	610	200	572	162
T SWF/BTB-4×1-RO-304	160	180	220	260	182	222
T SWF/BTB-4×2-RO-304	290	180	350	260	312	222
T SWF/BTB-4×3-RO-304	420	180	480	260	442	222
T SWF/BTB-4×4-RO-304	550	180	610	260	572	222
T SWF/BTB-4×5-RO-304	680	238	740	260	702	222
T SWF/BTB-4×6-RO-304	810	238	870	260	832	222
T SWF/BTB-6×1-RO-304	160	238	220	318	182	280
T SWF/BTB-6×2-RO-304	290	238	350	318	312	280
T SWF/BTB-6×3-RO-304	420	298	480	318	442	280
T SWF/BTB-6×4-RO-304	550	298	610	318	572	280
T SWF/BTB-6×5-RO-304	680	298	740	318	702	280
T SWF/BTB-6×6-RO-304	810	298	870	318	832	280
T SWF/BTB-6×7-RO-304	940	350	1000	318	962	280
T SWF/BTB-6×8-RO-304	1070	350	1130	318	1092	280
T SWF/BTB-8×1-RO-304	160	350	220	378	182	340
T SWF/BTB-8×2-RO-304	290	350	350	378	312	340
T SWF/BTB-8×3-RO-304	420	466	480	378	442	340
T SWF/BTB-8×4-RO-304	550	466	610	378	572	340
T SWF/BTB-8×5-RO-304	680	466	740	378	702	340
T SWF/BTB-8×6-RO-304	810	466	870	378	832	340
T SWF/BTB-8×7-RO-304	940	586	1000	378	962	340
T SWF/BTB-8×8-RO-304	1070	586	1130	378	1092	340
T SWF/BTB-8×9-RO-304	1200	586	1260	378	1222	340
T SWF/BTB-8×10-RO-304	1330	586	1390	378	1352	340

TAB 1

Model	Frame size		Flange size		Hole size	
	W0	H0	W	H	Wc±8	Hc±8
T SWF/BTB-2+2×1-RO-304	160	250	220	310	182	272
T SWF/BTB-2+2×2-RO-304	290	250	350	310	312	272
T SWF/BTB-2+2×3-RO-304	420	250	480	310	442	272
T SWF/BTB-2+2×4-RO-304	550	250	610	310	572	272
T SWF/BTB-4+4×1-RO-304	160	370	220	430	182	392
T SWF/BTB-4+4×2-RO-304	290	370	350	430	312	392
T SWF/BTB-4+4×3-RO-304	420	370	480	430	442	392
T SWF/BTB-4+4×4-RO-304	550	370	610	430	572	392
T SWF/BTB-4+4×5-RO-304	680	370	740	430	702	392
T SWF/BTB-4+4×6-RO-304	810	370	870	430	832	392
T SWF/BTB-6+6×1-RO-304	160	486	220	546	182	508
T SWF/BTB-6+6×2-RO-304	290	486	350	546	312	508
T SWF/BTB-6+6×3-RO-304	420	486	480	546	442	508
T SWF/BTB-6+6×4-RO-304	550	486	610	546	572	508
T SWF/BTB-6+6×5-RO-304	680	486	740	546	702	508
T SWF/BTB-6+6×6-RO-304	810	486	870	546	832	508
T SWF/BTB-6+6×7-RO-304	940	486	1000	546	962	508
T SWF/BTB-6+6×8-RO-304	1070	486	1130	546	1092	508
T SWF/BTB-8+8×1-RO-304	160	606	220	666	182	628
T SWF/BTB-8+8×2-RO-304	290	606	350	666	312	628
T SWF/BTB-8+8×3-RO-304	420	606	480	666	442	628
T SWF/BTB-8+8×4-RO-304	550	606	610	666	572	628
T SWF/BTB-8+8×5-RO-304	680	606	740	666	702	628
T SWF/BTB-8+8×6-RO-304	810	606	870	666	832	628
T SWF/BTB-8+8×7-RO-304	940	606	1000	666	962	628
T SWF/BTB-8+8×8-RO-304	1070	606	1130	666	1092	628
T SWF/BTB-6+6+6×1-RO-304	160	714	220	774	182	736
T SWF/BTB-6+6+6×2-RO-304	290	714	350	774	312	736
T SWF/BTB-6+6+6×3-RO-304	420	714	480	774	442	736
T SWF/BTB-6+6+6×4-RO-304	550	714	610	774	572	736
T SWF/BTB-8+8+8×1-RO-304	160	894	220	954	182	916
T SWF/BTB-8+8+8×2-RO-304	290	894	350	954	312	916
T SWF/BTB-8+8+8×3-RO-304	420	894	480	954	442	916
T SWF/BTB-8+8+8×4-RO-304	550	894	610	954	572	916

TAB 2

▸ SPECIFICATION LIST (NARROW) (UNIT: MM)

Model	Frame size		Flange size		Hole size	
	W0	H0	W	H	Wc±8	Hc±8
T SWF/BTB-1×1-RO-304	100	140	160	200	122	162
T SWF/BTB-3×1-RO-304	100	200	160	260	122	222
T SWF/BTB-5×1-RO-304	100	258	160	318	122	280
T SWF/BTB-7×1-RO-304	100	318	160	378	122	340
T SWF/BTB-1+1×1-RO-304	100	250	160	310	122	272
T SWF/BTB-3+3×1-RO-304	100	370	160	430	122	392
T SWF/BTB-5+5×1-RO-304	100	486	160	546	122	508
T SWF/BTB-7+7×1-RO-304	100	606	160	666	122	628

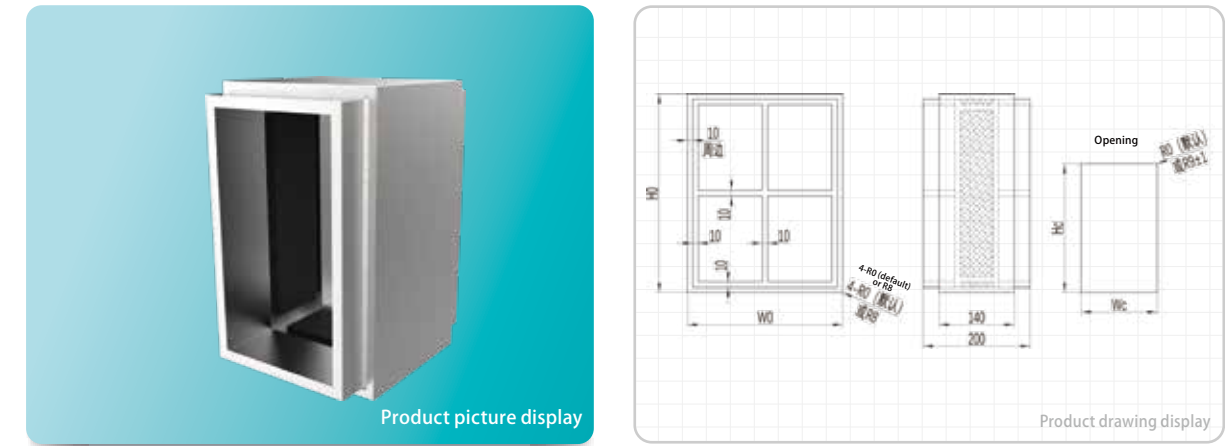
Note: The material of the frame in the list is 304. If 316L and Q345D is required, change the rear number "304" of the corresponding model to "316L" and "Q345D".

• T SWF/BTB/E-X+X... X × N-AO rectangular welded frame

T SWF/BTB/E-X+X...X×N-AO type frame is a back-to-back metal frame welded to precisely perforated metal panels. Fire-proof sealing modules can be installed on both front and rear sides of the frame, and the expansion flame retardant blocks inside the frame can greatly improve its fire resistance. It is provided in different materials and contains a combination of single or multiple sealing chamber openings in the width and height directions.

Material

304, 316L, Q345D (surface painted)
It can be welded onto metal panels with precise hole size, and form a complete sealing system in combination with other corresponding rectangular sealing accessories.



▴ SPECIFICATION LIST (UNIT: MM)

Model	Frame size		Screw specification	
	W0	H0	Wc±1	Hc±1
T SWF/BTB/E-2×1-AO-304	160	140	162	142
T SWF/BTB/E-2×2-AO-304	290	140	292	142
T SWF/BTB/E-2×3-AO-304	420	140	422	142
T SWF/BTB/E-2×4-AO-304	550	140	552	142
T SWF/BTB/E-4×1-AO-304	160	200	162	202
T SWF/BTB/E-4×2-AO-304	290	200	292	202
T SWF/BTB/E-4×3-AO-304	420	200	422	202
T SWF/BTB/E-4×4-AO-304	550	200	552	202
T SWF/BTB/E-6×1-AO-304	160	258	162	260
T SWF/BTB/E-6×2-AO-304	290	258	292	260
T SWF/BTB/E-6×3-AO-304	420	258	422	260
T SWF/BTB/E-6×4-AO-304	550	258	552	260
T SWF/BTB/E-8×1-AO-304	160	318	162	320
T SWF/BTB/E-8×2-AO-304	290	318	292	320
T SWF/BTB/E-8×3-AO-304	420	318	422	320
T SWF/BTB/E-8×4-AO-304	550	318	552	320
T SWF/BTB/E-2+2×1-AO-304	160	250	162	252
T SWF/BTB/E-2+2×2-AO-304	290	250	292	252
T SWF/BTB/E-2+2×3-AO-304	420	250	422	252
T SWF/BTB/E-2+2×4-AO-304	550	250	552	252

TAB 1

Model	Frame size		Screw specification	
	W0	H0	Wc±1	Hc±1
T SWF/BTB/E-4+4×1-AO-304	160	370	162	372
T SWF/BTB/E-4+4×2-AO-304	290	370	292	372
T SWF/BTB/E-4+4×3-AO-304	420	370	422	372
T SWF/BTB/E-4+4×4-AO-304	550	370	552	372
T SWF/BTB/E-6+6×1-AO-304	160	486	162	488
T SWF/BTB/E-6+6×2-AO-304	290	486	292	488
T SWF/BTB/E-6+6×3-AO-304	420	486	422	488
T SWF/BTB/E-6+6×4-AO-304	550	486	552	488
T SWF/BTB/E-8+8×1-AO-304	160	606	162	608
T SWF/BTB/E-8+8×2-AO-304	290	606	292	608
T SWF/BTB/E-8+8×3-AO-304	420	606	422	608
T SWF/BTB/E-8+8×4-AO-304	550	606	552	608
T SWF/BTB/E-6+6+6×1-AO-304	160	714	162	716
T SWF/BTB/E-6+6+6×2-AO-304	290	714	292	716
T SWF/BTB/E-6+6+6×3-AO-304	420	714	422	716
T SWF/BTB/E-6+6+6×4-AO-304	550	714	552	716
T SWF/BTB/E-8+8+8×1-AO-304	160	894	162	896
T SWF/BTB/E-8+8+8×2-AO-304	290	894	292	896
T SWF/BTB/E-8+8+8×3-AO-304	420	894	422	896
T SWF/BTB/E-8+8+8×4-AO-304	550	894	552	896

TAB 2

▴ SPECIFICATION LIST (NARROW) (UNIT: MM)

Model	Frame size		Screw specification	
	W0	H0	Wc±1	Hc±1
T SWF/BTB/E-1×1-AO-304	100	140	102	142
T SWF/BTB/E-3×1-AO-304	100	200	102	202
T SWF/BTB/E-5×1-AO-304	100	258	102	260
T SWF/BTB/E-7×1-AO-304	100	318	102	320
T SWF/BTB/E-1+1×1-AO-304	100	250	102	252
T SWF/BTB/E-3+3×1-AO-304	100	370	102	372
T SWF/BTB/E-5+5×1-AO-304	100	486	102	488
T SWF/BTB/E-7+7×1-AO-304	100	606	102	608

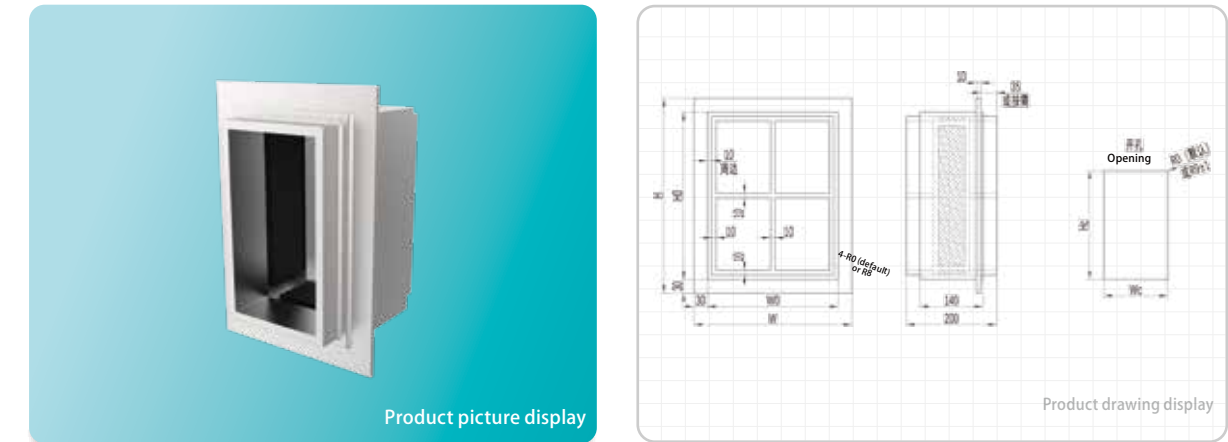
Note: The material of the frame in the list is 304. If 316L and Q345D is required, change the rear number "304" of the corresponding model to "316L" and "Q345D".

• T SWF/BTB/E-X+X... X × N-RO rectangular welded frame

T SWF/BTB/E-X+X...X×N-RO type frame is a back-to-back metal frame welded to a thick perforated metal panel through the frame flange edge (30 wide). Fireproof sealing modules can be install on both sides of the frame, and the expansion flame retardant blocks installed inside the frame can significantly improve the fire resistance of the frame. The thick openings allow for a larger range of openings with lower requirement for opening tolerance. It is provided in different materials and contains a combination of single or multiple sealing chamber openings in both width and height directions.

Material

304, 316L, Q345D (surface painted)
It can be welded onto metal panels with large tolerance rough hole size, and form a complete sealing system in combination with other corresponding rectangular sealing accessories.



➤ SPECIFICATION LIST (UNIT: MM)

Model	Frame size		Flange size		Hole size	
	W0	H0	W	H	Wc±8	Hc±8
T SWF/BTB/E-2×1-RO-304	160	140	220	200	182	162
T SWF/BTB/E-2×2-RO-304	290	140	350	200	312	162
T SWF/BTB/E-2×3-RO-304	420	140	480	200	442	162
T SWF/BTB/E-2×4-RO-304	550	140	610	200	572	162
T SWF/BTB/E-4×1-RO-304	160	200	220	260	182	222
T SWF/BTB/E-4×2-RO-304	290	200	350	260	312	222
T SWF/BTB/E-4×3-RO-304	420	200	480	260	442	222
T SWF/BTB/E-4×4-RO-304	550	200	610	260	572	222
T SWF/BTB/E-6×1-RO-304	160	258	220	318	182	280
T SWF/BTB/E-6×2-RO-304	290	258	350	318	312	280
T SWF/BTB/E-6×3-RO-304	420	258	480	318	442	280
T SWF/BTB/E-6×4-RO-304	550	258	610	318	572	280
T SWF/BTB/E-8×1-RO-304	160	318	220	378	182	340
T SWF/BTB/E-8×2-RO-304	290	318	350	378	312	340
T SWF/BTB/E-8×3-RO-304	420	318	480	378	442	340
T SWF/BTB/E-8×4-RO-304	550	318	610	378	572	340
T SWF/BTB/E-2+2×1-RO-304	160	250	220	310	182	272
T SWF/BTB/E-2+2×2-RO-304	290	250	350	310	312	272
T SWF/BTB/E-2+2×3-RO-304	420	250	480	310	442	272
T SWF/BTB/E-2+2×4-RO-304	550	250	610	310	572	272

TAB1

Model	Frame size		Flange size		Hole size	
	W0	H0	W	H	Wc±8	Hc±8
T SWF/BTB/E-4+4×1-RO-304	160	370	220	430	182	392
T SWF/BTB/E-4+4×2-RO-304	290	370	350	430	312	392
T SWF/BTB/E-4+4×3-RO-304	420	370	480	430	442	392
T SWF/BTB/E-4+4×4-RO-304	550	370	610	430	572	392
T SWF/BTB/E-6+6×1-RO-304	160	486	220	546	182	508
T SWF/BTB/E-6+6×2-RO-304	290	486	350	546	312	508
T SWF/BTB/E-6+6×3-RO-304	420	486	480	546	442	508
T SWF/BTB/E-6+6×4-RO-304	550	486	610	546	572	508
T SWF/BTB/E-8+8×1-RO-304	160	606	220	666	182	628
T SWF/BTB/E-8+8×2-RO-304	290	606	350	666	312	628
T SWF/BTB/E-8+8×3-RO-304	420	606	480	666	442	628
T SWF/BTB/E-8+8×4-RO-304	550	606	610	666	572	628
T SWF/BTB/E-6+6+6×1-RO-304	160	714	220	774	182	736
T SWF/BTB/E-6+6+6×2-RO-304	290	714	350	774	312	736
T SWF/BTB/E-6+6+6×3-RO-304	420	714	480	774	442	736
T SWF/BTB/E-6+6+6×4-RO-304	550	714	610	774	572	736
T SWF/BTB/E-8+8+8×1-RO-304	160	894	220	954	182	916
T SWF/BTB/E-8+8+8×2-RO-304	290	894	350	954	312	916
T SWF/BTB/E-8+8+8×3-RO-304	420	894	480	954	442	916
T SWF/BTB/E-8+8+8×4-RO-304	550	894	610	954	572	916

TAB 2

➤ SPECIFICATION LIST (NARROW) (UNIT: MM)

Model	Frame size		Flange size		Hole size	
	W0	H0	W	H	Wc±8	Hc±8
T SWF/BTB/E-1×1-RO-304	100	140	160	200	122	162
T SWF/BTB/E-3×1-RO-304	100	200	160	260	122	222
T SWF/BTB/E-5×1-RO-304	100	258	160	318	122	280
T SWF/BTB/E-7×1-RO-304	100	318	160	378	122	340
T SWF/BTB/E-1+1×1-RO-304	100	250	160	310	122	272
T SWF/BTB/E-3+3×1-RO-304	100	370	160	430	122	392
T SWF/BTB/E-5+5×1-RO-304	100	486	160	546	122	508
T SWF/BTB/E-7+7×1-RO-304	100	606	160	666	122	628

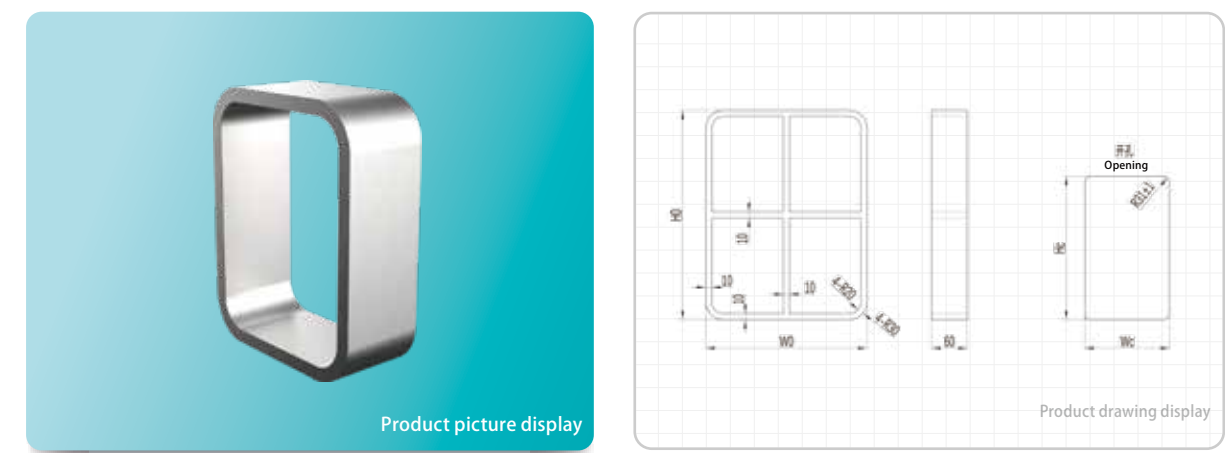
Note: The material of the frame in the list is 304. If 316L and Q345D is required, change the rear number "304" of the corresponding model to "316L" and "Q345D".

• T SWF-R20-X+X... X × N rectangular welded frame

T SWF-R20-X+X... X ×N-frame is a metal frame that is welded to precisely perforated metal panels, with large rounded corners at the four corners to avoid stress concentration. It is provided in different materials, and contains a combination of single or multiple sealing cavity openings in the width and height directions.

Material

304, 316L, Q345D (surface painted)
It can be welded onto metal panels with precise hole size, and form a complete sealing system in combination with other corresponding rectangular sealing accessories.



▴ SPECIFICATION LIST (UNIT: MM)

Model	Frame size		Screw specification	
	W0	H0	Wc±1	Hc±1
T SWF-R20-2×1-304	140	120	142	122
T SWF-R20-2×2-304	270	120	272	122
T SWF-R20-2×3-304	400	120	402	122
T SWF-R20-2×4-304	530	120	532	122
T SWF-R20-4×1-304	140	180	142	182
T SWF-R20-4×2-304	270	180	272	182
T SWF-R20-4×3-304	400	180	402	182
T SWF-R20-4×4-304	530	180	532	182
T SWF-R20-4×5-304	660	180	662	182
T SWF-R20-4×6-304	790	180	792	182
T SWF-R20-6×1-304	140	238	142	240
T SWF-R20-6×2-304	270	238	272	240
T SWF-R20-6×3-304	400	238	402	240
T SWF-R20-6×4-304	530	238	532	240
T SWF-R20-6×5-304	660	238	662	240
T SWF-R20-6×6-304	790	238	792	240
T SWF-R20-6×7-304	920	238	922	240
T SWF-R20-6×8-304	1050	238	1052	240
T SWF-R20-8×1-304	140	298	142	300
T SWF-R20-8×2-304	270	298	272	300
T SWF-R20-8×3-304	400	298	402	300
T SWF-R20-8×4-304	530	298	532	300
T SWF-R20-8×5-304	660	298	662	300
T SWF-R20-8×6-304	790	298	792	300
T SWF-R20-8×7-304	920	298	922	300
T SWF-R20-8×8-304	1050	298	1052	300
T SWF-R20-8×9-304	1180	298	1182	300
T SWF-R20-8×10-304	1310	298	1312	300

TAB 1

Model	Frame size		Screw specification	
	W0	H0	Wc±1	Hc±1
T SWF-R20-2+2×1-304	140	230	142	232
T SWF-R20-2+2×2-304	270	230	272	232
T SWF-R20-2+2×3-304	400	230	402	232
T SWF-R20-2+2×4-304	530	230	532	232
T SWF-R20-4+4×1-304	140	350	142	352
T SWF-R20-4+4×2-304	270	350	272	352
T SWF-R20-4+4×3-304	400	350	402	352
T SWF-R20-4+4×4-304	530	350	532	352
T SWF-R20-4+4×5-304	660	350	662	352
T SWF-R20-4+4×6-304	790	350	792	352
T SWF-R20-6+6×1-304	140	466	142	468
T SWF-R20-6+6×2-304	270	466	272	468
T SWF-R20-6+6×3-304	400	466	402	468
T SWF-R20-6+6×4-304	530	466	532	468
T SWF-R20-6+6×5-304	660	466	662	468
T SWF-R20-6+6×6-304	790	466	792	468
T SWF-R20-6+6×7-304	920	466	922	468
T SWF-R20-6+6×8-304	1050	466	1052	468
T SWF-R20-8+8×1-304	140	586	142	588
T SWF-R20-8+8×2-304	270	586	272	588
T SWF-R20-8+8×3-304	400	586	402	588
T SWF-R20-8+8×4-304	530	586	532	588
T SWF-R20-8+8×5-304	660	586	662	588
T SWF-R20-8+8×6-304	790	586	792	588
T SWF-R20-8+8×7-304	920	586	922	588
T SWF-R20-8+8×8-304	1050	586	1052	588
T SWF-R20-6+6+6×1-304	140	694	142	696
T SWF-R20-6+6+6×2-304	270	694	272	696
T SWF-R20-6+6+6×3-304	400	694	402	696
T SWF-R20-6+6+6×4-304	530	694	532	696
T SWF-R20-8+8+8×1-304	140	874	142	876
T SWF-R20-8+8+8×2-304	270	874	272	876
T SWF-R20-8+8+8×3-304	400	874	402	876
T SWF-R20-8+8+8×4-304	530	874	532	876

TAB 2

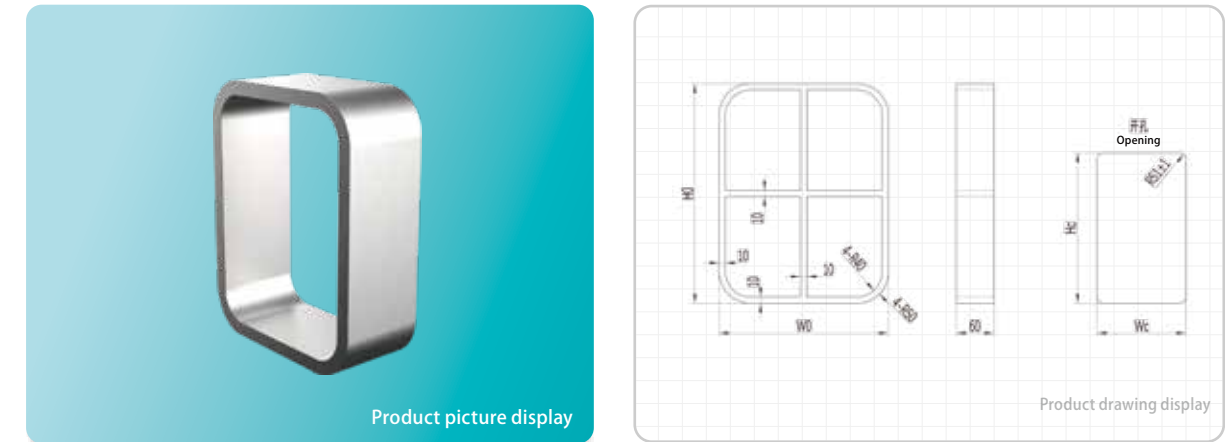
Note: The material of the frame in the list is 304. If 316L and Q345D is required, change the rear number "304" of the corresponding model to "316L" and "Q345D".

• T SWF-R40-X+X...X×N rectangular welded frame

T SWF-R40-X+X...X×N frame is a metal frame that is welded to precisely perforated metal panels, with large rounded corners at the four corners to avoid stress concentration. It is provided in different materials and contains a combination of single or multiple sealing cavity openings in the width and height directions.

Material

304, 316L, Q345D (surface painted)
It can be welded onto metal panels with precise hole size, and form a complete sealing system in combination with other corresponding rectangular sealing accessories.



➤ SPECIFICATION LIST (UNIT: MM)

Model	Frame size		Screw specification	
	W0	H0	Wc±1	Hc±1
T SWF-R40-4×1-304	140	180	142	182
T SWF-R40-4×2-304	270	180	272	182
T SWF-R40-4×3-304	400	180	402	182
T SWF-R40-4×4-304	530	180	532	182
T SWF-R40-4×5-304	660	180	662	182
T SWF-R40-4×6-304	790	180	792	182
T SWF-R40-6×1-304	140	238	142	240
T SWF-R40-6×2-304	270	238	272	240
T SWF-R40-6×3-304	400	238	402	240
T SWF-R40-6×4-304	530	238	532	240
T SWF-R40-6×5-304	660	238	662	240
T SWF-R40-6×6-304	790	238	792	240
T SWF-R40-6×7-304	920	238	922	240
T SWF-R40-6×8-304	1050	238	1052	240
T SWF-R40-8×1-304	140	298	142	300
T SWF-R40-8×2-304	270	298	272	300
T SWF-R40-8×3-304	400	298	402	300
T SWF-R40-8×4-304	530	298	532	300
T SWF-R40-8×5-304	660	298	662	300
T SWF-R40-8×6-304	790	298	792	300
T SWF-R40-8×7-304	920	298	922	300
T SWF-R40-8×8-304	1050	298	1052	300
T SWF-R40-8×9-304	1180	298	1182	300
T SWF-R40-8×10-304	1310	298	1312	300
T SWF-R40-4+4×1-304	140	350	142	352
T SWF-R40-4+4×2-304	270	350	272	352
T SWF-R40-4+4×3-304	400	350	402	352
T SWF-R40-4+4×4-304	530	350	532	352

TAB 1

Model	Frame size		Screw specification	
	W0	H0	Wc±1	Hc±1
T SWF-R40-4+4×5-304	660	350	662	352
T SWF-R40-4+4×6-304	790	350	792	352
T SWF-R40-6+6×1-304	140	466	142	468
T SWF-R40-6+6×2-304	270	466	272	468
T SWF-R40-6+6×3-304	400	466	402	468
T SWF-R40-6+6×4-304	530	466	532	468
T SWF-R40-6+6×5-304	660	466	662	468
T SWF-R40-6+6×6-304	790	466	792	468
T SWF-R40-6+6×7-304	920	466	922	468
T SWF-R40-6+6×8-304	1050	466	1052	468
T SWF-R40-8+8×1-304	140	586	142	588
T SWF-R40-8+8×2-304	270	586	272	588
T SWF-R40-8+8×3-304	400	586	402	588
T SWF-R40-8+8×4-304	530	586	532	588
T SWF-R40-8+8×5-304	660	586	662	588
T SWF-R40-8+8×6-304	790	586	792	588
T SWF-R40-8+8×7-304	920	586	922	588
T SWF-R40-8+8×8-304	1050	586	1052	588
T SWF-R40-6+6+6×1-304	140	694	142	696
T SWF-R40-6+6+6×2-304	270	694	272	696
T SWF-R40-6+6+6×3-304	400	694	402	696
T SWF-R40-6+6+6×4-304	530	694	532	696
T SWF-R40-8+8+8×1-304	140	874	142	876
T SWF-R40-8+8+8×2-304	270	874	272	876
T SWF-R40-8+8+8×3-304	400	874	402	876
T SWF-R40-8+8+8×4-304	530	874	532	876

TAB 2

Note: The material of the frame in the list is 304. If 316L and Q345D is required, change the rear number "304" of the corresponding model to "316L" and "Q345D".

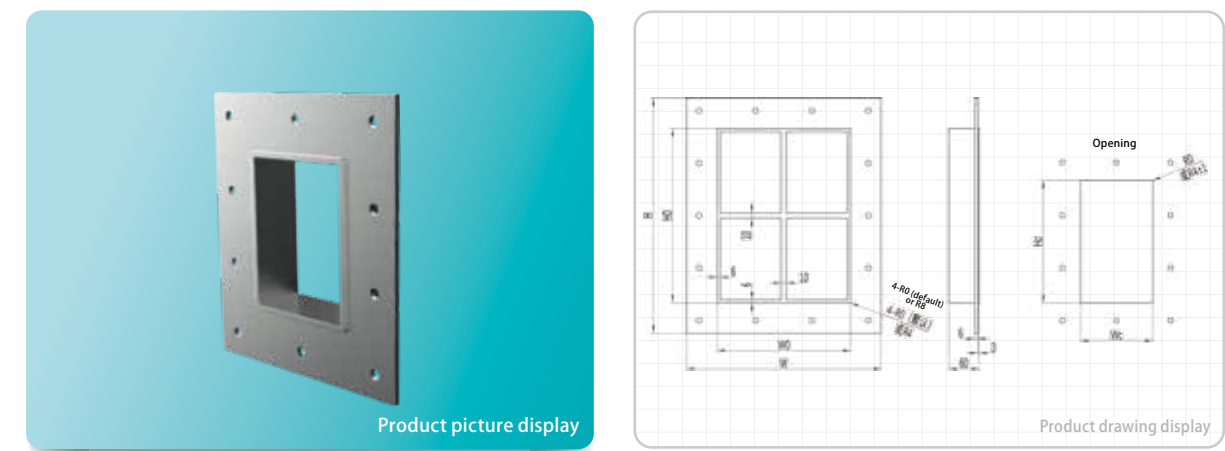
▲ RECTANGULAR BOLTED FRAME

• T SBF - X+X... X × N-N/M/W rectangular bolted frame

T SBF-X+X...X×N-N/M/W frame is a metal frame that is bolted to a metal or composite panel through a frame flange (N/M/W represents different flange sizes of 40mm, 60mm, 100mm, respectively). It is provided in different materials and contains a combination of single or multiple sealing cavity openings in the width and height directions.

Material

304, 316L, Q345D (surface painted)
 It can be bolted onto metal or composite panels and combined with other rectangular sealing accessories such as corresponding sealing pads to form a complete sealing system.



▲ SPECIFICATION LIST (UNIT: MM)

Model	Frame size		Flange size						Hole size	
	W0	H0	-N		-M		-W		Wc±5	Hc±5
T SBF-2×1-N/M/W-304	132	112	212	192	252	232	332	312	152	132
T SBF-2×2-N/M/W-304	262	112	342	192	382	232	462	312	282	132
T SBF-2×3-N/M/W-304	392	112	472	192	512	232	592	312	412	132
T SBF-2×4-N/M/W-304	522	112	602	192	642	232	722	312	542	132
T SBF-4×1-N/M/W-304	132	172	212	252	252	292	332	372	152	192
T SBF-4×2-N/M/W-304	262	172	342	252	382	292	462	372	282	192
T SBF-4×3-N/M/W-304	392	172	472	252	512	292	592	372	412	192
T SBF-4×4-N/M/W-304	522	172	602	252	642	292	722	372	542	192
T SBF-4×5-N/M/W-304	652	172	732	252	772	292	852	372	672	192
T SBF-4×6-N/M/W-304	782	172	862	252	902	292	982	372	802	192
T SBF-6×1-N/M/W-304	132	230	212	310	252	350	332	430	152	250
T SBF-6×2-N/M/W-304	262	230	342	310	382	350	462	430	282	250
T SBF-6×3-N/M/W-304	392	230	472	310	512	350	592	430	412	250
T SBF-6×4-N/M/W-304	522	230	602	310	642	350	722	430	542	250
T SBF-6×5-N/M/W-304	652	230	732	310	772	350	852	430	672	250
T SBF-6×6-N/M/W-304	782	230	862	310	902	350	982	430	802	250
T SBF-6×7-N/M/W-304	912	230	992	310	1032	350	1112	430	932	250
T SBF-6×8-N/M/W-304	1042	230	1122	310	1162	350	1242	430	1062	250
T SBF-8×1-N/M/W-304	132	290	212	370	252	410	332	490	152	310
T SBF-8×2-N/M/W-304	262	290	342	370	382	410	462	490	282	310
T SBF-8×3-N/M/W-304	392	290	472	370	512	410	592	490	412	310
T SBF-8×4-N/M/W-304	522	290	602	370	642	410	722	490	542	310
T SBF-8×5-N/M/W-304	652	290	732	370	772	410	852	490	672	310
T SBF-8×6-N/M/W-304	782	290	862	370	902	410	982	490	802	310
T SBF-8×7-N/M/W-304	912	290	992	370	1032	410	1112	490	932	310
T SBF-8×8-N/M/W-304	1042	290	1122	370	1162	410	1242	490	1062	310
T SBF-8×9-N/M/W-304	1172	290	1252	370	1292	410	1372	490	1192	310
T SBF-8×10-N/M/W-304	1302	290	1382	370	1422	410	1502	490	1322	310

TAB1

Model	Frame size		Flange size						Hole size	
	W0	H0	-N		-M		-W		Wc±5	Hc±5
T SBF-2+2×1-N/M/W-304	132	222	212	302	252	342	332	422	152	242
T SBF-2+2×2-N/M/W-304	262	222	342	302	382	342	462	422	282	242
T SBF-2+2×3-N/M/W-304	392	222	472	302	512	342	592	422	412	242
T SBF-2+2×4-N/M/W-304	522	222	602	302	642	342	722	422	542	242
T SBF-4+4×1-N/M/W-304	132	342	212	422	252	462	332	542	152	362
T SBF-4+4×2-N/M/W-304	262	342	342	422	382	462	462	542	282	362
T SBF-4+4×3-N/M/W-304	392	342	472	422	512	462	592	542	412	362
T SBF-4+4×4-N/M/W-304	522	342	602	422	642	462	722	542	542	362
T SBF-4+4×5-N/M/W-304	652	342	732	422	772	462	852	542	672	362
T SBF-4+4×6-N/M/W-304	782	342	862	422	902	462	982	542	802	362
T SBF-6+6×1-N/M/W-304	132	458	212	538	252	578	332	658	152	478
T SBF-6+6×2-N/M/W-304	262	458	342	538	382	578	462	658	282	478
T SBF-6+6×3-N/M/W-304	392	458	472	538	512	578	592	658	412	478
T SBF-6+6×4-N/M/W-304	522	458	602	538	642	578	722	658	542	478
T SBF-6+6×5-N/M/W-304	652	458	732	538	772	578	852	658	672	478
T SBF-6+6×6-N/M/W-304	782	458	862	538	902	578	982	658	802	478
T SBF-6+6×7-N/M/W-304	912	458	992	538	1032	578	1112	658	932	478
T SBF-6+6×8-N/M/W-304	1042	458	1122	538	1162	578	1242	658	1062	478
T SBF-8+8×1-N/M/W-304	132	578	212	658	252	698	332	778	152	598
T SBF-8+8×2-N/M/W-304	262	578	342	658	382	698	462	778	282	598
T SBF-8+8×3-N/M/W-304	392	578	472	658	512	698	592	778	412	598
T SBF-8+8×4-N/M/W-304	522	578	602	658	642	698	722	778	542	598
T SBF-8+8×5-N/M/W-304	652	578	732	658	772	698	852	778	672	598
T SBF-8+8×6-N/M/W-304	782	578	862	658	902	698	982	778	802	598
T SBF-8+8×7-N/M/W-304	912	578	992	658	1032	698	1112	778	932	598
T SBF-8+8×8-N/M/W-304	1042	578	1122	658	1162	698	1242	778	1062	598
T SBF-6+6+6×1-N/M/W-304	132	686	212	766	252	806	332	886	152	706
T SBF-6+6+6×2-N/M/W-304	262	686	342	766	382	806	462	886	282	706
T SBF-6+6+6×3-N/M/W-304	392	686	472	766	512	806	592	886	412	706
T SBF-6+6+6×4-N/M/W-304	522	686	602	766	642	806	722	886	542	706
T SBF-8+8+8×1-N/M/W-304	132	866	212	946	252	986	332	1066	152	886
T SBF-8+8+8×2-N/M/W-304	262	866	342	946	382	986	462	1066	282	886
T SBF-8+8+8×3-N/M/W-304	392	866	472	946	512	986	592	1066	412	886
T SBF-8+8+8×4-N/M/W-304	522	866	602	946	642	986	722	1066	542	886

TAB2

▲ SPECIFICATION LIST (NARROW) (UNIT: MM)

Model	Frame size		Flange size						Hole size	
	W0	H0	-N		-M		-W		Wc±5	Hc±5
T SBF-1×1-N/M/W-304	72	112	152	192	192	232	272	312	92	132
T SBF-3×1-N/M/W-304	72	172	152	252	192	292	272	372	92	192
T SBF-5×1-N/M/W-304	72	230	152	310	192	350	272	430	92	250
T SBF-7×1-N/M/W-304	72	290	152	370	192	410	272	490	92	310
T SBF-1+1×1-N/M/W-304	72	222	152	302	192	342	272	422	92	242
T SBF-3+3×1-N/M/W-304	72	342	152	422	192	462	272	542	92	362
T SBF-5+5×1-N/M/W-304	72	458	152	538	192	578	272	658	92	478
T SBF-7+7×1-N/M/W-304	72	578	152	658	192	698	272	778	92	598

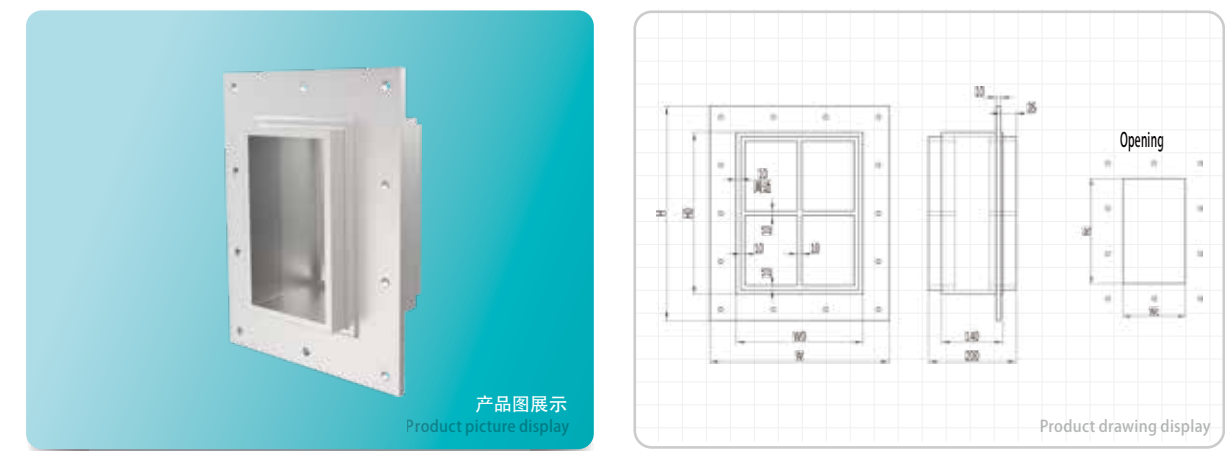
Note: The material of the frame in the list is 304. If 316L and Q345D is required, change the rear number "304" of the corresponding model to "316L" and "Q345D".

- T SBF/BTB-X+X... X × N-N/M/W rectangular bolted frame

T SBF/BTB-X+X...X×N-N/M/W frame is a back-to-back metal frame that is bolted to a metal or composite panel through a frame flange (N/M/W represents different flange sizes of 40mm, 60mm, 100mm, respectively). The fireproof sealing module can be installed on both sides of the frame to improve its protection capability. It is provided in different materials and contains a combination of single or multiple sealing cavity openings in the width and height directions.

Material

304, 316L, Q345D (surface painted)
It can be bolted onto metal or composite panels and combined with other rectangular sealing accessories such as corresponding sealing pads to form a complete sealing system.



▴ SPECIFICATION LIST (UNIT: MM)

Model	Frame size		Flange size						Hole size	
	W0	H0	-N		-M		-W		Wc±5	Hc±5
T SBF/BTB-2×1-N/M/W-304	160	140	240	220	280	260	360	340	180	160
T SBF/BTB-2×2-N/M/W-304	290	140	370	220	410	260	490	340	310	160
T SBF/BTB-2×3-N/M/W-304	420	140	500	220	540	260	620	340	440	160
T SBF/BTB-2×4-N/M/W-304	550	140	630	220	670	260	750	340	570	160
T SBF/BTB-4×1-N/M/W-304	160	200	240	280	280	320	360	400	180	220
T SBF/BTB-4×2-N/M/W-304	290	200	370	280	410	320	490	400	310	220
T SBF/BTB-4×3-N/M/W-304	420	200	500	280	540	320	620	400	440	220
T SBF/BTB-4×4-N/M/W-304	550	200	630	280	670	320	750	400	570	220
T SBF/BTB-4×5-N/M/W-304	680	200	760	280	800	320	880	400	700	220
T SBF/BTB-4×6-N/M/W-304	810	200	890	280	930	320	1010	400	830	220
T SBF/BTB-6×1-N/M/W-304	160	258	240	338	280	378	360	458	180	278
T SBF/BTB-6×2-N/M/W-304	290	258	370	338	410	378	490	458	310	278
T SBF/BTB-6×3-N/M/W-304	420	258	500	338	540	378	620	458	440	278
T SBF/BTB-6×4-N/M/W-304	550	258	630	338	670	378	750	458	570	278
T SBF/BTB-6×5-N/M/W-304	680	258	760	338	800	378	880	458	700	278
T SBF/BTB-6×6-N/M/W-304	810	258	890	338	930	378	1010	458	830	278
T SBF/BTB-6×7-N/M/W-304	940	258	1020	338	1060	378	1140	458	960	278
T SBF/BTB-6×8-N/M/W-304	1070	258	1150	338	1190	378	1270	458	1090	278
T SBF/BTB-8×1-N/M/W-304	160	318	240	398	280	438	360	518	180	338
T SBF/BTB-8×2-N/M/W-304	290	318	370	398	410	438	490	518	310	338
T SBF/BTB-8×3-N/M/W-304	420	318	500	398	540	438	620	518	440	338
T SBF/BTB-8×4-N/M/W-304	550	318	630	398	670	438	750	518	570	338
T SBF/BTB-8×5-N/M/W-304	680	318	760	398	800	438	880	518	700	338
T SBF/BTB-8×6-N/M/W-304	810	318	890	398	930	438	1010	518	830	338
T SBF/BTB-8×7-N/M/W-304	940	318	1020	398	1060	438	1140	518	960	338
T SBF/BTB-8×8-N/M/W-304	1070	318	1150	398	1190	438	1270	518	1090	338
T SBF/BTB-8×9-N/M/W-304	1200	318	1280	398	1320	438	1400	518	1220	338
T SBF/BTB-8×10-N/M/W-304	1330	318	1410	398	1450	438	1530	518	1350	338

TAB1

Model	Frame size		Flange size						Hole size	
	W0	H0	-N		-M		-W		Wc±5	Hc±5
T SBF/BTB-2+2×1-N/M/W-304	160	250	240	330	280	370	360	450	180	270
T SBF/BTB-2+2×2-N/M/W-304	290	250	370	330	410	370	490	450	310	270
T SBF/BTB-2+2×3-N/M/W-304	420	250	500	330	540	370	620	450	440	270
T SBF/BTB-2+2×4-N/M/W-304	550	250	630	330	670	370	750	450	570	270
T SBF/BTB-4+4×1-N/M/W-304	160	370	240	450	280	490	360	570	180	390
T SBF/BTB-4+4×2-N/M/W-304	290	370	370	450	410	490	490	570	310	390
T SBF/BTB-4+4×3-N/M/W-304	420	370	500	450	540	490	620	570	440	390
T SBF/BTB-4+4×4-N/M/W-304	550	370	630	450	670	490	750	570	570	390
T SBF/BTB-4+4×5-N/M/W-304	680	370	760	450	800	490	880	570	700	390
T SBF/BTB-4+4×6-N/M/W-304	810	370	890	450	930	490	1010	570	830	390
T SBF/BTB-6+6×1-N/M/W-304	160	486	240	566	280	606	360	686	180	506
T SBF/BTB-6+6×2-N/M/W-304	290	486	370	566	410	606	490	686	310	506
T SBF/BTB-6+6×3-N/M/W-304	420	486	500	566	540	606	620	686	440	506
T SBF/BTB-6+6×4-N/M/W-304	550	486	630	566	670	606	750	686	570	506
T SBF/BTB-6+6×5-N/M/W-304	680	486	760	566	800	606	880	686	700	506
T SBF/BTB-6+6×6-N/M/W-304	810	486	890	566	930	606	1010	686	830	506
T SBF/BTB-6+6×7-N/M/W-304	940	486	1020	566	1060	606	1140	686	960	506
T SBF/BTB-6+6×8-N/M/W-304	1070	486	1150	566	1190	606	1270	686	1090	506
T SBF/BTB-8+8×1-N/M/W-304	160	606	240	686	280	726	360	806	180	626
T SBF/BTB-8+8×2-N/M/W-304	290	606	370	686	410	726	490	806	310	626
T SBF/BTB-8+8×3-N/M/W-304	420	606	500	686	540	726	620	806	440	626
T SBF/BTB-8+8×4-N/M/W-304	550	606	630	686	670	726	750	806	570	626
T SBF/BTB-8+8×5-N/M/W-304	680	606	760	686	800	726	880	806	700	626
T SBF/BTB-8+8×6-N/M/W-304	810	606	890	686	930	726	1010	806	830	626
T SBF/BTB-8+8×7-N/M/W-304	940	606	1020	686	1060	726	1140	806	960	626
T SBF/BTB-8+8×8-N/M/W-304	1070	606	1150	686	1190	726	1270	806	1090	626
T SBF/BTB-6+6+6×1-N/M/W-304	160	714	240	794	280	834	360	914	180	734
T SBF/BTB-6+6+6×2-N/M/W-304	290	714	370	794	410	834	490	914	310	734
T SBF/BTB-6+6+6×3-N/M/W-304	420	714	500	794	540	834	620	914	440	734
T SBF/BTB-6+6+6×4-N/M/W-304	550	714	630	794	670	834	750	914	570	734
T SBF/BTB-8+8+8×1-N/M/W-304	160	894	240	974	280	1014	360	1094	180	914
T SBF/BTB-8+8+8×2-N/M/W-304	290	894	370	974	410	1014	490	1094	310	914
T SBF/BTB-8+8+8×3-N/M/W-304	420	894	500	974	540	1014	620	1094	440	914
T SBF/BTB-8+8+8×4-N/M/W-304	550	894	630	974	670	1014	750	1094	570	914

TAB 2

▴ SPECIFICATION LIST (NARROW) (UNIT: MM)

Model	Frame size		Flange size						Hole size	
	W0	H0	-N		-M		-W		Wc±5	Hc±5
T SBF/BTB-1×1-N/M/W-304	100	140	180	220	220	260	300	340	120	160
T SBF/BTB-3×1-N/M/W-304	100	200	180	280	220	320	300	400	120	220
T SBF/BTB-5×1-N/M/W-304	100	258	180	338	220	378	300	458	120	278
T SBF/BTB-7×1-N/M/W-304	100	318	180	398	220	438	300	518	120	338
T SBF/BTB-1+1×1-N/M/W-304	100	250	180	330	220	370	300	450	120	270
T SBF/BTB-3+3×1-N/M/W-304	100	370	180	450	220	490	300	570	120	390
T SBF/BTB-5+5×1-N/M/W-304	100	486	180	566	220	606	300	686	120	506
T SBF/BTB-7+7×1-N/M/W-304	100	606	180	686	220	726	300	806	120	626

Note: The material of the frame in the list is 304. If 316L and Q345D is required, change the rear number "304" of the corresponding model to "316L" and "Q345D".

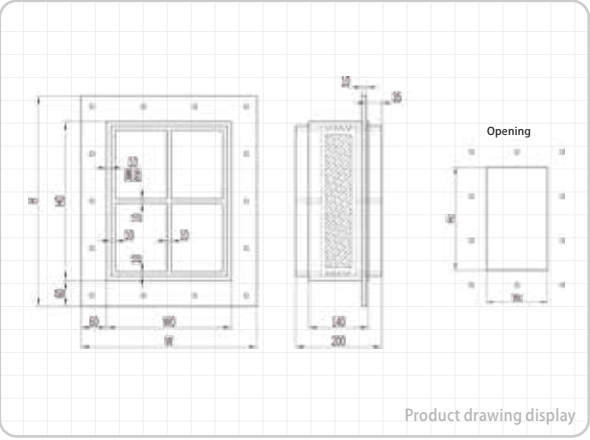
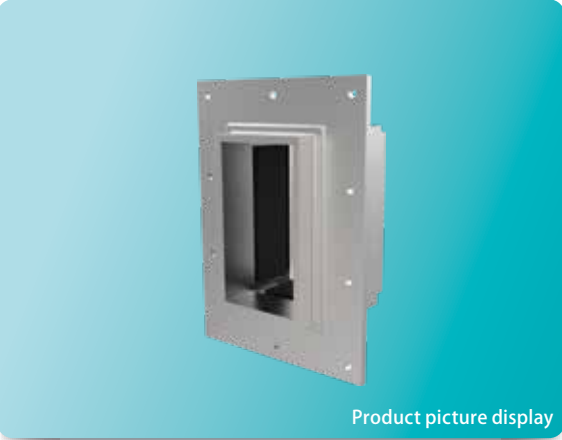
• T SBF/BTB/E-X+X...X × N-N/M/W rectangular bolted frame

T SBF/BTB/E-X+X...X×N-N/M/W frame is a back-to-back metal frame that is bolted to a metal or composite panel through a frame flange (N/M/W represents different flange sizes of 40mm, 60mm, 100mm, respectively). The fireproof sealing module can be installed on both sides of the frame, and the expansion flame retardant block installed inside the frame-work can significantly improve its fire resistance. It is provided in different materials and contains a combination of single or multiple sealing cavity openings in the width and height directions.

Material

304, 316L, Q345D (surface painted)

It can be bolted onto metal or composite panels and combined with other rectangular sealing accessories such as corresponding sealing pads to form a complete sealing system.



▣ SPECIFICATION LIST (UNIT: MM)

Model	Frame size		Flange size						Hole size	
	W0	H0	-N		-M		-W		Wc±5	Hc±5
T SBF/BTB/E-2×1-N/M/W-304	160	140	240	220	280	260	360	340	180	160
T SBF/BTB/E-2×2-N/M/W-304	290	140	370	220	410	260	490	340	310	160
T SBF/BTB/E-2×3-N/M/W-304	420	140	500	220	540	260	620	340	440	160
T SBF/BTB/E-2×4-N/M/W-304	550	140	630	220	670	260	750	340	570	160
T SBF/BTB/E-4×1-N/M/W-304	160	200	240	280	280	320	360	400	180	220
T SBF/BTB/E-4×2-N/M/W-304	290	200	370	280	410	320	490	400	310	220
T SBF/BTB/E-4×3-N/M/W-304	420	200	500	280	540	320	620	400	440	220
T SBF/BTB/E-4×4-N/M/W-304	550	200	630	280	670	320	750	400	570	220
T SBF/BTB/E-6×1-N/M/W-304	160	258	240	338	280	378	360	458	180	278
T SBF/BTB/E-6×2-N/M/W-304	290	258	370	338	410	378	490	458	310	278
T SBF/BTB/E-6×3-N/M/W-304	420	258	500	338	540	378	620	458	440	278
T SBF/BTB/E-6×4-N/M/W-304	550	258	630	338	670	378	750	458	570	278
T SBF/BTB/E-8×1-N/M/W-304	160	318	240	398	280	438	360	518	180	338
T SBF/BTB/E-8×2-N/M/W-304	290	318	370	398	410	438	490	518	310	338
T SBF/BTB/E-8×3-N/M/W-304	420	318	500	398	540	438	620	518	440	338
T SBF/BTB/E-8×4-N/M/W-304	550	318	630	398	670	438	750	518	570	338
T SBF/BTB/E-2+2×1-N/M/W-304	160	250	240	330	280	370	360	450	180	270
T SBF/BTB/E-2+2×2-N/M/W-304	290	250	370	330	410	370	490	450	310	270
T SBF/BTB/E-2+2×3-N/M/W-304	420	250	500	330	540	370	620	450	440	270
T SBF/BTB/E-2+2×4-N/M/W-304	550	250	630	330	670	370	750	450	570	270

TAB1

Model	Frame size		Flange size						Hole size	
	W0	H0	-N		-M		-W		Wc±5	Hc±5
T SBF/BTB/E-4+4×1-N/M/W-304	160	370	240	450	280	490	360	570	180	390
T SBF/BTB/E-4+4×2-N/M/W-304	290	370	370	450	410	490	490	570	310	390
T SBF/BTB/E-4+4×3-N/M/W-304	420	370	500	450	540	490	620	570	440	390
T SBF/BTB/E-4+4×4-N/M/W-304	550	370	630	450	670	490	750	570	570	390
T SBF/BTB/E-6+6×1-N/M/W-304	160	486	240	566	280	606	360	686	180	506
T SBF/BTB/E-6+6×2-N/M/W-304	290	486	370	566	410	606	490	686	310	506
T SBF/BTB/E-6+6×3-N/M/W-304	420	486	500	566	540	606	620	686	440	506
T SBF/BTB/E-6+6×4-N/M/W-304	550	486	630	566	670	606	750	686	570	506
T SBF/BTB/E-8+8×1-N/M/W-304	160	606	240	686	280	726	360	806	180	626
T SBF/BTB/E-8+8×2-N/M/W-304	290	606	370	686	410	726	490	806	310	626
T SBF/BTB/E-8+8×3-N/M/W-304	420	606	500	686	540	726	620	806	440	626
T SBF/BTB/E-8+8×4-N/M/W-304	550	606	630	686	670	726	750	806	570	626
T SBF/BTB/E-6+6+6×1-N/M/W-304	160	714	240	794	280	834	360	914	180	734
T SBF/BTB/E-6+6+6×2-N/M/W-304	290	714	370	794	410	834	490	914	310	734
T SBF/BTB/E-6+6+6×3-N/M/W-304	420	714	500	794	540	834	620	914	440	734
T SBF/BTB/E-6+6+6×4-N/M/W-304	550	714	630	794	670	834	750	914	570	734
T SBF/BTB/E-8+8+8×1-N/M/W-304	160	894	240	974	280	1014	360	1094	180	914
T SBF/BTB/E-8+8+8×2-N/M/W-304	290	894	370	974	410	1014	490	1094	310	914
T SBF/BTB/E-8+8+8×3-N/M/W-304	420	894	500	974	540	1014	620	1094	440	914
T SBF/BTB/E-8+8+8×4-N/M/W-304	550	894	630	974	670	1014	750	1094	570	914

TAB2

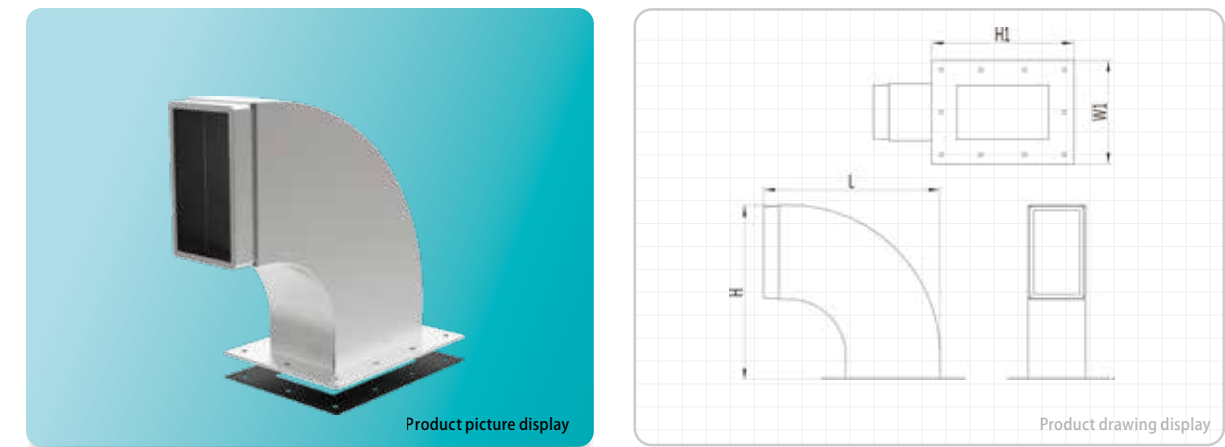
Model	Frame size		Flange size						Hole size	
	W0	H0	-N		-M		-W		Wc±5	Hc±5
T SBF/BTB-1×1-N/M/W-304	100	140	180	220	220	260	300	340	120	160
T SBF/BTB-3×1-N/M/W-304	100	200	180	280	220	320	300	400	120	220
T SBF/BTB-5×1-N/M/W-304	100	258	180	338	220	378	300	458	120	278
T SBF/BTB-7×1-N/M/W-304	100	318	180	398	220	438	300	518	120	338
T SBF/BTB-1+1×1-N/M/W-304	100	250	180	330	220	370	300	450	120	270
T SBF/BTB-3+3×1-N/M/W-304	100	370	180	450	220	490	300	570	120	390
T SBF/BTB-5+5×1-N/M/W-304	100	486	180	566	220	606	300	686	120	506
T SBF/BTB-7+7×1-N/M/W-304	100	606	180	686	220	726	300	806	120	626

Note: The material of the frame in the list is 304. If 316L and Q345D is required, change the rear number "304" of the corresponding model to "316L" and "Q345D".

- T SJF swanneck bolted frame
T SJF frame is a metal frame that is bolted to the metal floor through a swanneck shaped elbow frame flange (60 wide), suitable for installation on the exposed top surface of the structure to avoid water accumulation in the cable penetration area. It is provided in different materials and contains a combination of 1 or 2 sealing cavity openings.

Material

304, 316L, Q345D (surface painted)
It can be bolted to a metal surface floor and combined with other rectangular sealing accessories such as corresponding sealing pads to form a complete sealing system.



▴ SPECIFICATION LIST (UNIT: MM)

Model	Frame size	Size of swanneck bend		Flange size		Hole size	
	T SWF-AO As per T SWF-AO	L	H	W1	H1	Wc±8	Hc±8
T SJF-6×1-304	T SWF-6×1-AO-304	457	454	270	368	140	238
T SJF-6×2-304	T SWF-6×2-AO-304	457	454	400	368	270	238

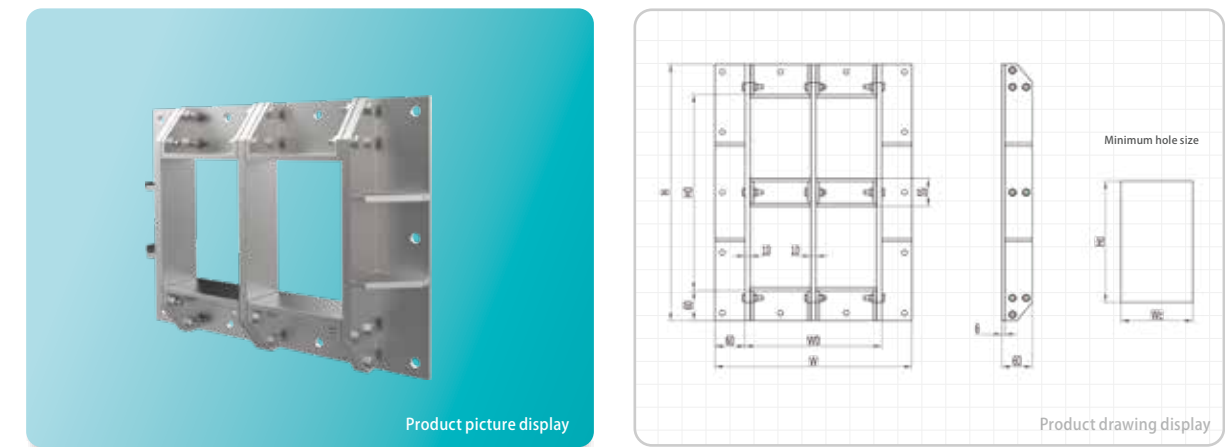
Note: The material of the frame in the list is 304. If 316L and Q345D is required, change the rear number "304" of the corresponding model to "316L" and "Q345D".



- T OSBF-X+X...X×N rectangular bolted frame (combination type)
T OSBF-X+X...X×N frame is a detachable frame that can be installed in areas where cables or pipes have been laid, bolted to metal or composite panels through frame flanges. It is provided in different materials and contains a combination of single or multiple sealing chamber openings in the width and height directions

Material

304, 316L, Q345D (surface painted)
It can be bolted to metal or composite panels, installed after cable or pipeline laying, and combined with corresponding sealing gaskets and other rectangular sealing accessories to form a complete sealing system.



▴ SPECIFICATION LIST (UNIT: MM)

Model	Frame size		Flange size		Minimum hole size	
	W0	H0	W	H	Wc	Hc
T OSBF-2×1-304	140	112	260	232	160	132
T OSBF-2×2-304	270	112	390	232	290	132
T OSBF-2×3-304	400	112	520	232	420	132
T OSBF-2×4-304	530	112	650	232	550	132
T OSBF-4×1-304	140	172	260	292	160	192
T OSBF-4×2-304	270	172	390	292	290	192
T OSBF-4×3-304	400	172	520	292	420	192
T OSBF-4×4-304	530	172	650	292	550	192
T OSBF-6×1-304	140	230	260	350	160	250
T OSBF-6×2-304	270	230	390	350	290	250
T OSBF-6×3-304	400	230	520	350	420	250
T OSBF-6×4-304	530	230	650	350	550	250
T OSBF-8×1-304	140	290	260	410	160	310
T OSBF-8×2-304	270	290	390	410	290	310
T OSBF-8×3-304	400	290	520	410	420	310
T OSBF-8×4-304	530	290	650	410	550	310
T OSBF-4+4×1-304	140	387	260	507	160	407
T OSBF-4+4×2-304	270	387	390	507	290	407
T OSBF-4+4×3-304	400	387	520	507	420	407
T OSBF-4+4×4-304	530	387	650	507	550	407
T OSBF-6+6×1-304	140	503	260	623	160	523
T OSBF-6+6×2-304	270	503	390	623	290	523
T OSBF-6+6×3-304	400	503	520	623	420	523
T OSBF-6+6×4-304	530	503	650	623	550	523
T OSBF-8+8×1-304	140	623	260	743	160	643
T OSBF-8+8×2-304	270	623	390	743	290	643
T OSBF-8+8×3-304	400	623	520	743	420	643
T OSBF-8+8×4-304	530	623	650	743	550	643

TAB1

▲ SPECIFICATION LIST (NARROW) (UNIT: MM)

Model	Frame size		Flange size		Minimum hole size	
	W0	H0	W	H	Wc	Hc
T OSBF-1×1-304	80	112	200	232	100	132
T OSBF-3×1-304	80	172	200	292	100	192
T OSBF-5×1-304	80	230	200	350	100	250
T OSBF-7×1-304	80	290	200	410	100	310
T OSBF-3+3×1-304	80	387	200	507	100	407
T OSBF-5+5×1-304	80	503	200	623	100	523
T OSBF-7+7×1-304	80	623	200	743	100	643

Note: The material of the frame in the list is 304. If 316L and Q345D is required, change the rear number "304" of the corresponding model to "316L" and "Q345D".

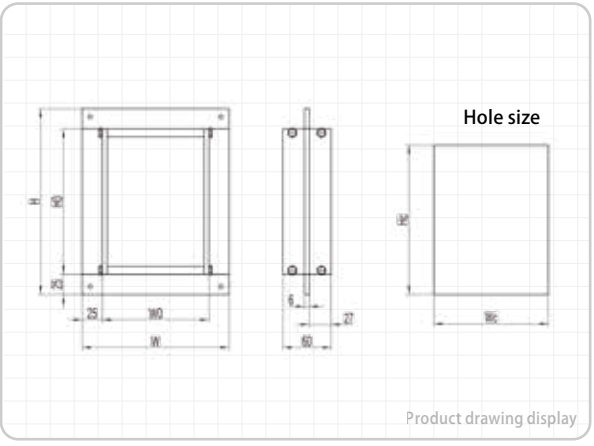
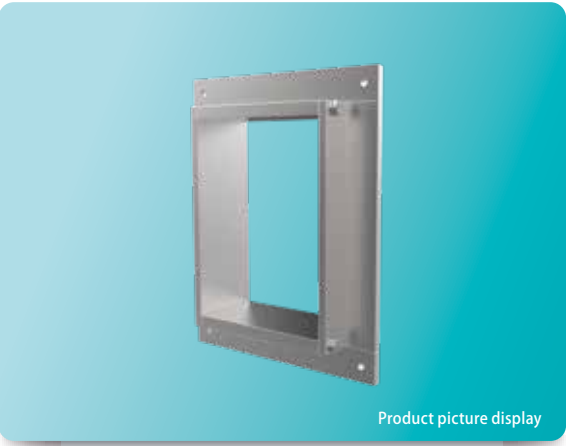
● T OSEF-X+X...X×N rectangular bolted frame (cabinet)

T OSEF-X+X...X×N frame is a detachable frame, especially suitable for installation inside cabinets that have completed cable laying. It is bolted to the metal panels of the cabinets through frame flanges, provided in different materials, and contains a combination of single or multiple sealing cavity openings in the width and height directions

Material

304, 316L, Q345D (surface painted)

It can be bolted to metal panels, installed after cable or pipeline laying, and combined with corresponding auxiliary materials and other rectangular sealing accessories to form a complete sealing system.



▲ SPECIFICATION LIST (UNIT: MM)

Model	Frame size		Flange size		Minimum hole size	
	W0	H0	W	H	Wc	Hc
T OSEF-2×1-304	132	120	182	170	142	124
T OSEF-4×1-304	132	180	182	230	142	184
T OSEF-6×1-304	132	238	182	288	142	242
T OSEF-8×1-304	132	298	182	348	142	302
T OSEF-4+4×1-304	132	350	182	400	142	354
T OSEF-6+6×1-304	132	466	182	516	142	470
T OSEF-8+8×1-304	132	586	182	636	142	590
T OSEF-6+6+6×1-304	132	694	182	744	142	698

Model	Frame size		Flange size		Minimum hole size	
	W0	H0	W	H	Wc	Hc
T OSEF-1×1-304	72	120	122	170	82	124
T OSEF-3×1-304	72	180	122	230	82	184
T OSEF-5×1-304	72	238	122	288	82	242
T OSEF-7×1-304	72	298	122	348	82	302
T OSEF-3+3×1-304	72	350	122	400	82	354
T OSEF-5+5×1-304	72	466	122	516	82	470
T OSEF-7+7×1-304	72	586	122	636	82	590

Note: The material of the frame in the list is 304. If 316L and Q345D is required, change the rear number "304" of the corresponding model to "316L" and "Q345D".

▲ RECTANGULAR EMBEDDED FRAME

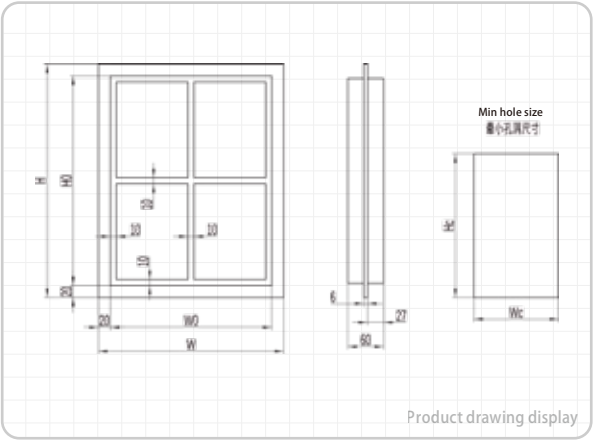
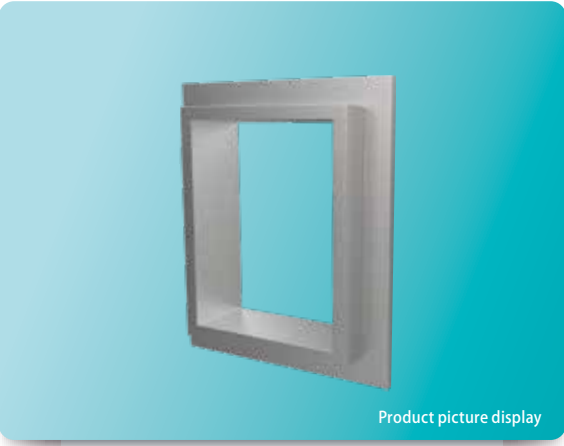
● T SCF-X+X... X × N rectangular embedded frame

The T SCF-X+X... X × N frame is a type of frame embedded in brick concrete or concrete building structures, provided in different materials. It contains a combination of single or multiple sealing cavity openings in the width and height directions.

Material

304, 316L, Q345D (surface painted)

It can be embedded in the building structure and combined with other rectangular sealing accessories such as corresponding auxiliary materials to form a complete sealing system.



▲ SPECIFICATION LIST (UNIT: MM)

Model	Frame size		Flange size		Minimum hole size	
	W0	H0	W	H	Wc	Hc
T SCF-2×1-304	132	120	180	160	240	220
T SCF-2×2-304	262	120	310	160	370	220
T SCF-2×3-304	392	120	440	160	500	220
T SCF-2×4-304	522	120	570	160	630	220
T SCF-4×1-304	132	180	180	220	240	280
T SCF-4×2-304	262	180	310	220	370	280

TAB1

Model	Frame size		Flange size		Minimum hole size	
	W0	H0	W	H	Wc	Hc
T SCF-4×3-304	400	180	440	220	500	280
T SCF-4×4-304	530	180	570	220	630	280
T SCF-6×1-304	140	238	180	278	240	338
T SCF-6×2-304	270	238	310	278	370	338
T SCF-6×3-304	400	238	440	278	500	338
T SCF-6×4-304	530	238	570	278	630	338
T SCF-8×1-304	140	298	180	338	240	398
T SCF-8×2-304	270	298	310	338	370	398
T SCF-8×3-304	400	298	440	338	500	398
T SCF-8×4-304	530	298	570	338	630	398
T SCF-4+4×1-304	140	350	180	390	240	450
T SCF-4+4×2-304	270	350	310	390	370	450
T SCF-4+4×3-304	400	350	440	390	500	450
T SCF-4+4×4-304	530	350	570	390	630	450
T SCF-6+6×1-304	140	466	180	506	240	566
T SCF-6+6×2-304	270	466	310	506	370	566
T SCF-6+6×3-304	400	466	440	506	500	566
T SCF-6+6×4-304	530	466	570	506	630	566
T SCF-8+8×1-304	140	586	180	626	240	686
T SCF-8+8×2-304	270	586	310	626	370	686
T SCF-8+8×3-304	400	586	440	626	500	686
T SCF-8+8×4-304	530	586	570	626	630	686
T SCF-6+6+6×3-304	400	694	440	734	500	794
T SCF-6+6+6×4-304	530	694	570	734	630	794
T SCF-8+8+8×3-304	400	874	440	914	500	974
T SCF-8+8+8×4-304	530	874	570	914	630	974

TAB2

Specification List (Narrow) (Unit: mm)

Model	Frame size		Flange size		Minimum hole size	
	W0	H0	W	H	Wc	Hc
T SCF-1×1-304	80	120	120	160	180	220
T SCF-3×1-304	80	180	120	220	180	280
T SCF-5×1-304	80	238	120	278	180	338
T SCF-7×1-304	80	298	120	338	180	398
T SCF-3+3×1-304	80	350	120	390	180	450
T SCF-5+5×1-304	80	466	120	506	180	566
T SCF-7+7×1-304	80	586	120	626	180	686

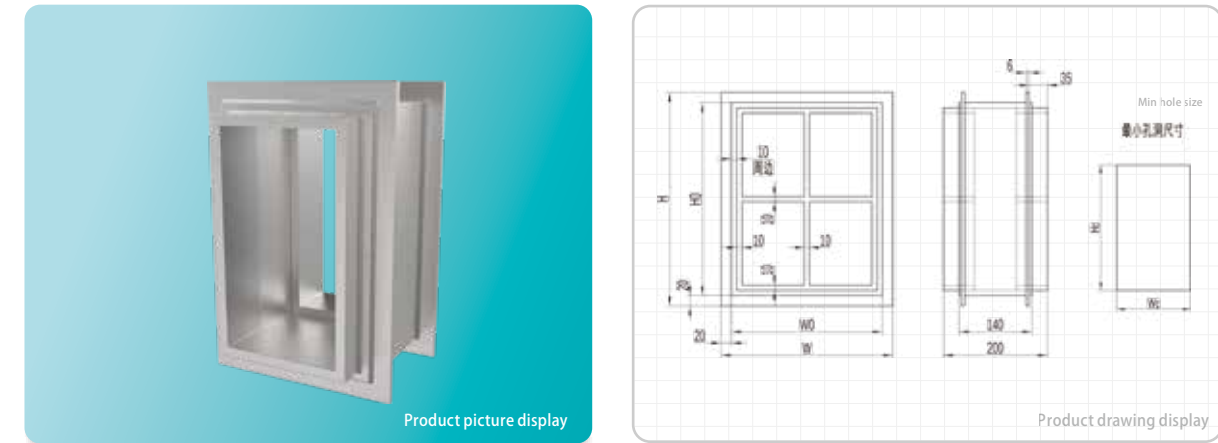
Note: The material of the frame in the list is 304. If 316L and Q345D is required, change the rear number "304" of the corresponding model to "316L" and "Q345D".

T SCF/BTB-X+X... X × N rectangular embedded frame

T SCF/BTB-X+X...X×N frame is a back-to-back metal frame embedded in brick concrete or concrete building structures. The fireproof sealing module can be installed on both sides of the frame to improve its protection capability. It is provided in different materials and contains a combination of single or multiple sealing cavity openings in the width and height directions.

Material

It can be embedded in building structures and combined with other rectangular sealing accessories such as corresponding auxiliary materials to form a complete sealing system.



Specification List (Unit: mm)

Model	Frame size		Flange size		Minimum hole size	
	W0	H0	W	H	Wc	Hc
T SCF/BTB-2×1-304	160	140	200	180	260	240
T SCF/BTB-2×2-304	290	140	330	180	390	240
T SCF/BTB-2×3-304	420	140	460	180	520	240
T SCF/BTB-2×4-304	550	140	590	180	650	240
T SCF/BTB-4×1-304	160	200	200	240	260	300
T SCF/BTB-4×2-304	290	200	330	240	390	300
T SCF/BTB-4×3-304	420	200	460	240	520	300
T SCF/BTB-4×4-304	550	200	590	240	650	300
T SCF/BTB-6×1-304	160	258	200	298	260	358
T SCF/BTB-6×2-304	290	258	330	298	390	358
T SCF/BTB-6×3-304	420	258	460	298	520	358
T SCF/BTB-6×4-304	550	258	590	298	650	358
T SCF/BTB-8×1-304	160	318	200	358	260	418
T SCF/BTB-8×2-304	290	318	330	358	390	418
T SCF/BTB-8×3-304	420	318	460	358	520	418
T SCF/BTB-8×4-304	550	318	590	358	650	418
T SCF/BTB-4+4×1-304	160	370	200	410	260	470
T SCF/BTB-4+4×2-304	290	370	330	410	390	470
T SCF/BTB-4+4×3-304	420	370	460	410	520	470
T SCF/BTB-4+4×4-304	550	370	590	410	650	470
T SCF/BTB-6+6×1-304	160	486	200	526	260	586
T SCF/BTB-6+6×2-304	290	486	330	526	390	586
T SCF/BTB-6+6×3-304	420	486	460	526	520	586
T SCF/BTB-6+6×4-304	550	486	590	526	650	586
T SCF/BTB-8+8×1-304	160	606	200	646	260	706
T SCF/BTB-8+8×2-304	290	606	330	646	390	706
T SCF/BTB-8+8×3-304	420	606	460	646	520	706
T SCF/BTB-8+8×4-304	550	606	590	646	650	706

TAB1

Model	Frame size		Flange size		Minimum hole size	
	W0	H0	W	H	Wc	Hc
T SCF/BTB-6+6+6×3-304	420	714	460	754	520	814
T SCF/BTB-6+6+6×4-304	550	714	590	754	650	814
T SCF/BTB-8+8+8×3-304	420	894	460	934	520	994
T SCF/BTB-8+8+8×4-304	550	894	590	934	650	994

TAB2

Specification List (Narrow) (Unit: mm)

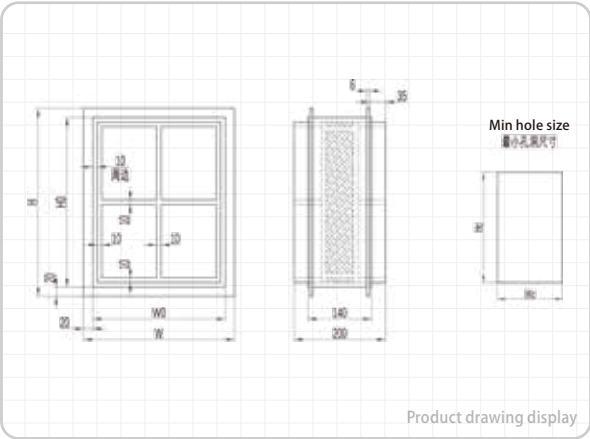
Model	Frame size		Flange size		Hole size	
	W0	H0	W	H	Wc	Hc
T SCF/BTB-1×1-304	100	140	140	180	200	240
T SCF/BTB-3×1-304	100	200	140	240	200	300
T SCF/BTB-5×1-304	100	258	140	298	200	358
T SCF/BTB-7×1-304	100	318	140	358	200	418
T SCF/BTB-3+3×1-304	100	370	140	410	200	470
T SCF/BTB-5+5×1-304	100	486	140	526	200	586
T SCF/BTB-7+7×1-304	100	606	140	646	200	706

The material of the frame in the list is 304. If 316L and Q345D is required, change the rear number "304" of the corresponding model to "316L" and "Q345D". In the list of models, "- N/M/W" is replaced with "- N", "- M", and "- W" based on the selected flange width.

- T SCF/BTB/E-X+X...X × N rectangular embedded frame
T SCF/BTB/E-X+X...X×N frame is a back-to-back metal frame embedded in brick concrete or concrete building structures. The fireproof sealing module can be installed on both sides of the frame, and the expansion flame retardant block installed inside the framework can greatly improve its fire resistance. It is provided in different materials and contains a combination of single or multiple sealing cavity openings in the width and height directions.

Material

It can be embedded in building structures and combined with other rectangular sealing accessories such as corresponding auxiliary materials to form a complete sealing system.



Specification List (Unit: mm)

Model	Frame size		Flange size		Minimum hole size	
	W0	H0	W	H	Wc	Hc
T SCF/BTB/E-2×1-304	160	140	200	180	260	240
T SCF/BTB/E-2×2-304	290	140	330	180	390	240
T SCF/BTB/E-2×3-304	420	140	460	180	520	240
T SCF/BTB/E-2×4-304	550	140	590	180	650	240
T SCF/BTB/E-4×1-304	160	200	200	240	260	300
T SCF/BTB/E-4×2-304	290	200	330	240	390	300
T SCF/BTB/E-4×3-304	420	200	460	240	520	300
T SCF/BTB/E-4×4-304	550	200	590	240	650	300
T SCF/BTB/E-6×1-304	160	258	200	298	260	358
T SCF/BTB/E-6×2-304	290	258	330	298	390	358
T SCF/BTB/E-6×3-304	420	258	460	298	520	358
T SCF/BTB/E-6×4-304	550	258	590	298	650	358
T SCF/BTB/E-8×1-304	160	318	200	358	260	418
T SCF/BTB/E-8×2-304	290	318	330	358	390	418
T SCF/BTB/E-8×3-304	420	318	460	358	520	418
T SCF/BTB/E-8×4-304	550	318	590	358	650	418
T SCF/BTB/E-4+4×1-304	160	370	200	410	260	470
T SCF/BTB/E-4+4×2-304	290	370	330	410	390	470
T SCF/BTB/E-4+4×3-304	420	370	460	410	520	470
T SCF/BTB/E-4+4×4-304	550	370	590	410	650	470
T SCF/BTB/E-6+6×1-304	160	486	200	526	260	586
T SCF/BTB/E-6+6×2-304	290	486	330	526	390	586
T SCF/BTB/E-6+6×3-304	420	486	460	526	520	586
T SCF/BTB/E-6+6×4-304	550	486	590	526	650	586
T SCF/BTB/E-8+8×1-304	160	606	200	646	260	706
T SCF/BTB/E-8+8×2-304	290	606	330	646	390	706
T SCF/BTB/E-8+8×3-304	420	606	460	646	520	706
T SCF/BTB/E-8+8×4-304	550	606	590	646	650	706
T SCF/BTB/E-6+6+6×3-304	420	714	460	754	520	814
T SCF/BTB/E-6+6+6×4-304	550	714	590	754	650	814
T SCF/BTB/E-8+8+8×3-304	420	894	460	934	520	994
T SCF/BTB/E-8+8+8×4-304	550	894	590	934	650	994

Specification List (Narrow) (Unit: mm)

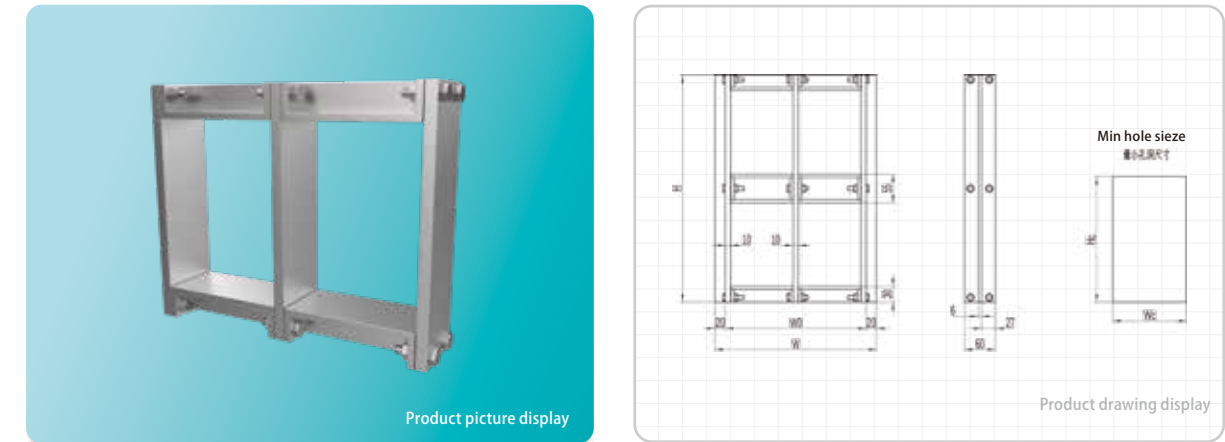
Model	Frame size		Flange size		Hole size	
	W0	H0	W	H	Wc	Hc
T SCF/BTB/E-1×1-304	100	140	140	180	200	240
T SCF/BTB/E-3×1-304	100	200	140	240	200	300
T SCF/BTB/E-5×1-304	100	258	140	298	200	358
T SCF/BTB/E-7×1-304	100	318	140	358	200	418
T SCF/BTB/E-3+3×1-304	100	370	140	410	200	470
T SCF/BTB/E-5+5×1-304	100	486	140	526	200	586
T SCF/BTB/E-7+7×1-304	100	606	140	646	200	706

The material of the frame in the list is 304. If 316L and Q345D is required, change the rear number "304" of the corresponding model to "316L" and "Q345D". In the list of models, "- N/M/W" is replaced with "- N", "- M", and "- W" based on the selected flange width.

- T OSCF-X+X...X×N rectangular embedded frame (combina-
T OSCF-X+X...X×N frame is a detachable frame that is pre-embedded in brick concrete or concrete building structures. It can be installed in areas where cables or pipes have been laid, and is provided in different materials. It contains a combina-
tion of single or multiple sealing cavity openings in the width and height directions.

Material

304, 316L, Q345D (surface painted)
It can be welded onto metal panels with large tolerance rough hole size, and form a complete sealing system in combina-
tion with other corresponding rectangular sealing accessories.



SPECIFICATION LIST (UNIT: MM)

Model	Frame size			Flange size	
	W0	W	H	Wc	Hc
T OSCF-2×1-304	140	180	160	240	260
T OSCF-2×2-304	270	310	160	370	260
T OSCF-2×3-304	400	440	160	500	260
T OSCF-2×4-304	530	570	160	630	260
T OSCF-4×1-304	140	180	220	240	320
T OSCF-4×2-304	270	310	220	370	320
T OSCF-4×3-304	400	440	220	500	320
T OSCF-4×4-304	530	570	220	630	320
T OSCF-6×1-304	140	180	278	240	378
T OSCF-6×2-304	270	310	278	370	378
T OSCF-6×3-304	400	440	278	500	378
T OSCF-6×4-304	530	570	278	630	378
T OSCF-8×1-304	140	180	338	240	438
T OSCF-8×2-304	270	310	338	370	438
T OSCF-8×3-304	400	440	338	500	438
T OSCF-8×4-304	530	570	338	630	438
T OSCF-4+4×1-304	140	180	435	240	535
T OSCF-4+4×2-304	270	310	435	370	535
T OSCF-4+4×3-304	400	440	435	500	535
T OSCF-4+4×4-304	530	570	435	630	535
T OSCF-6+6×1-304	140	180	551	240	651
T OSCF-6+6×2-304	270	310	551	370	651
T OSCF-6+6×3-304	400	440	551	500	651
T OSCF-6+6×4-304	530	570	551	630	651
T OSCF-8+8×1-304	140	180	671	240	771
T OSCF-8+8×2-304	270	310	671	370	771
T OSCF-8+8×3-304	400	440	671	500	771
T OSCF-8+8×4-304	530	570	671	630	771

SPECIFICATION LIST (NARROW) (UNIT: MM)

Model	Frame size			Flange size	
	W0	W	H	Wc	Hc
T OSCF-1×1-304	80	120	160	180	260
T OSCF-3×1-304	80	120	220	180	320
T OSCF-5×1-304	80	120	278	180	378
T OSCF-7×1-304	80	120	338	180	438
T OSCF-3+3×1-304	80	120	435	180	535
T OSCF-5+5×1-304	80	120	551	180	651
T OSCF-7+7×1-304	80	120	671	180	771

The material of the frame in the list is 304. If 316L and Q345D is required, change the rear number "304" of the corresponding model to "316L" and "Q345D" . In the list of models, "- N/M/W" is replaced with "- N", "- M", and "- W" based on the selected flange width.

