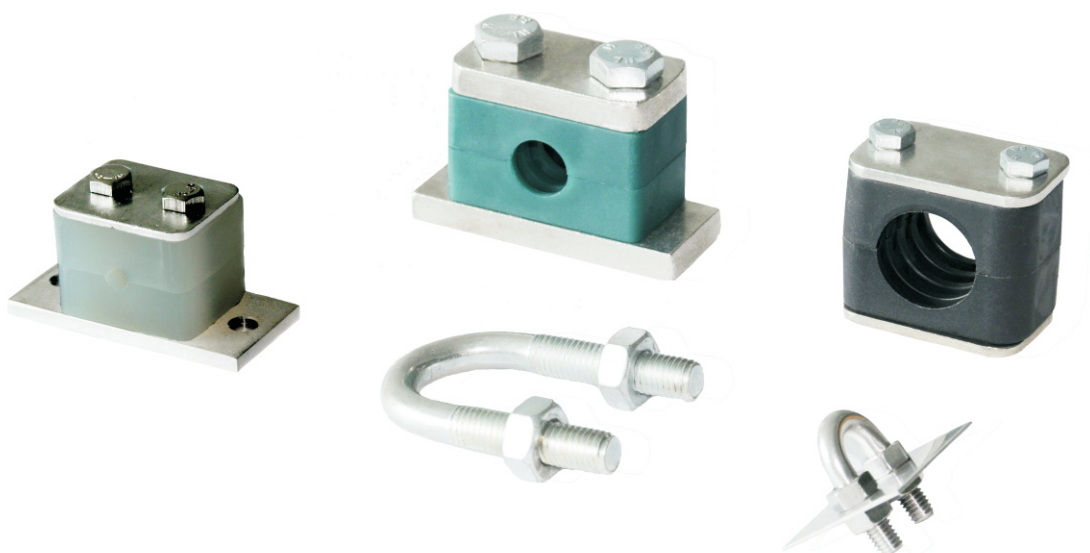


Tube Clamps

FC and CS Series



FITOK

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FC Series

Steel Strip and U-bolt Clamps

Features

- ⦿ Designed according to DIN standard
- ⦿ Tube or pipe O.D. size range: 5.5 mm to 61 mm
- ⦿ Tube or pipe application
- ⦿ Vibration-proof and noise-proof design
- ⦿ All marked with type and dimension

Technical Data:

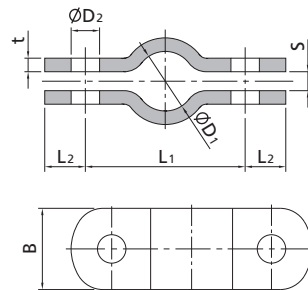
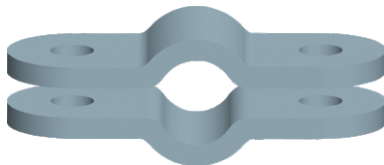
Material	Designator	Temperature Range
321 SS	S1	up to 426°C
304 SS	S4	
316 SS	SS	
Carbon Steel	CS	up to 400°C

Ordering Information:

Add material designator as a prefix to the basic ordering number to complete ordering number. **For example: S4-FC1-27**
 Dimensions in mm unless otherwise specified.

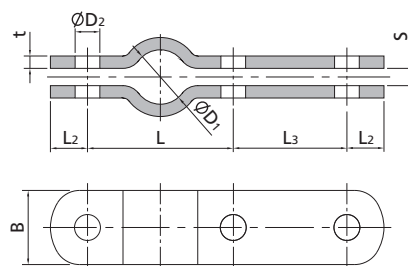
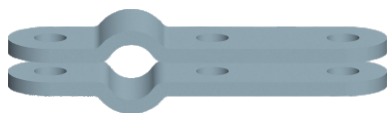
Dimensions

FC1 Series



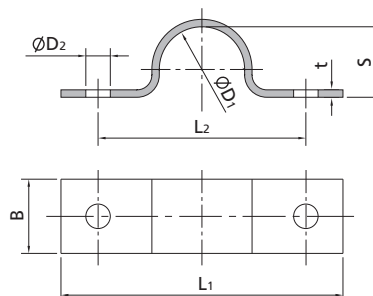
ØD ₁	For Tube and Pipe Outside Diameter	Basic Ordering Number	L ₁	L ₂	t	S	ØD ₂	B
20	18 to 20	-FC1-20	57	15	5	7	11.5	30
22	20 to 22.2	-FC1-22	59					
25	23 to 25	-FC1-25	62					
27	25 to 27	-FC1-27	66					
30	28 to 30.1	-FC1-30	68					
34	32 to 34	-FC1-34	72					
38	36 to 38.1	-FC1-38	76					
43	41 to 43	-FC1-43	82					
45	43 to 45	-FC1-45	84					
49	48 to 50.8	-FC1-49	88	18	6	9	14	40
57	55 to 57	-FC1-57	104					
60	58 to 60	-FC1-60	108					

FC2 Series



ØD ₁	For Tube and Pipe Outside Diameter	Basic Ordering Number	L ₁	L ₂	L ₃	t	S	ØD ₂	B
20	18 to 20	-FC2-20	57	15	46	5	7	11.5	30
22	20 to 22.2	-FC2-22	59						
25	23 to 25	-FC2-25	62						
27	25 to 27	-FC2-27	66						
30	28 to 30.1	-FC2-30	68						
34	32 to 34	-FC2-34	72						
38	36 to 38.1	-FC2-38	76						
43	41 to 43	-FC2-43	82						
45	43 to 45	-FC2-45	84	18	54	6	9	14	40
49	48 to 50.8	-FC2-49	88						
57	55 to 57	-FC2-57	104						
60	58 to 60	-FC2-60	108						

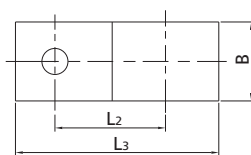
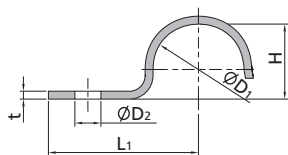
FC3 Series



ØD ₁	For Tube and Pipe Outside Diameter	Basic Ordering Number	L ₁	L ₂	S	ØD ₂	t	B
7	5.5 to 7	-FC3-7	44	28	5	6.6	2	16
9	7 to 9	-FC3-9	48	32	6			20
13	9.5 to 13	-FC3-13	52	36	9			
15.5	13 to 15.5	-FC3-15.5	56	40	12			
19	15.5 to 19	-FC3-19	60	44	15			
23	20 to 23	-FC3-23	82	56	19	11	3	25
26	23 to 26	-FC3-26	84	58	22			
28.5	26 to 28.5	-FC3-28.5	90	64	24			
32	28.5 to 32	-FC3-32			27			
36	33 to 36	-FC3-36			32			
39	36 to 39	-FC3-39	110	84	34	14	5	30
43	39 to 43	-FC3-43	120	88	38			
46	43 to 46	-FC3-46	122	90	41			
49	48 to 50.8	-FC3-49			44			
58	55 to 58	-FC3-58			52			
61	58 to 61	-FC3-61	142	110	57			40

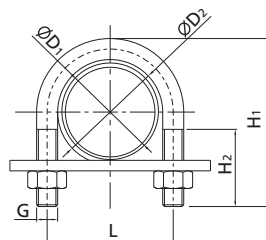
3 Tube Clamps

FC4 Series



ØD ₁	For Tube and Pipe Outside Diameter	Basic Ordering Number	L ₁	L ₂	L ₃	H	ØD ₂	t	B
7	5.5 to 7	-FC4-7	26	14	31.5	5	6.6	2	16
9	7 to 9	-FC4-9	28	16	34.5	6			20
13	9.5 to 13	-FC4-13	30	18	38.5	9			
15.5	13 to 15.5	-FC4-15.5	32	20	41.75	12			
19	15.5 to 19	-FC4-19	34	22	45.5	15			
23	20 to 23	-FC4-23	43	28	57.5	19	9	3	25
26	23 to 26	-FC4-26	44	29	60	22			
28.5	26 to 28.5	-FC4-28.5	47	32	64.25	24			
31	28.5 to 31	-FC4-31			65.5	27			
33	31 to 33	-FC4-33	56	36	75.5	29			
36	33 to 36	-FC4-36	57	40	78	32	11	3	30
39	36 to 39	-FC4-39	59	42	81.5	34			
43	39 to 43	-FC4-43	61	44	85.5	38			
46	43 to 46	-FC4-46	62	45	88	41			
49	46 to 49	-FC4-49	67	48	95.5	44			
52	49 to 52	-FC4-52	72	53	102	47	14	4	40
58	55 to 58	-FC4-58	74	55	107	52			
61	58 to 61	-FC4-61	77	58	111.5	56			

FC5 Series



Nominal Width	ØD ₂	Basic Ordering Number	ØD ₂	L	H ₁	H ₂	G	FC5 Kits		
DN20	25	-FC5-30	30	40	70	40	M10	U-shaped bolt (1 piece) Nut (2 pieces)		
	26.9									
DN25	30	-FC5-38	38	48	76	50				
	33.7									
DN32	38	-FC5-46	46	56	86				M12	
	42.4									
DN40	44.5	-FC5-52	52	62	92					60
	48.3									
DN50	57	-FC5-64	64	76	109		M16			
	60.3									
DN65	76.1	-FC5-82	82	94	125					
DN80	88.9	-FC5-94	94	106	138					
DN100	108	-FC5-120	120	136	171	60				
	114.3									
DN125	133	-FC5-148	148	164	191				60	
	139.7									

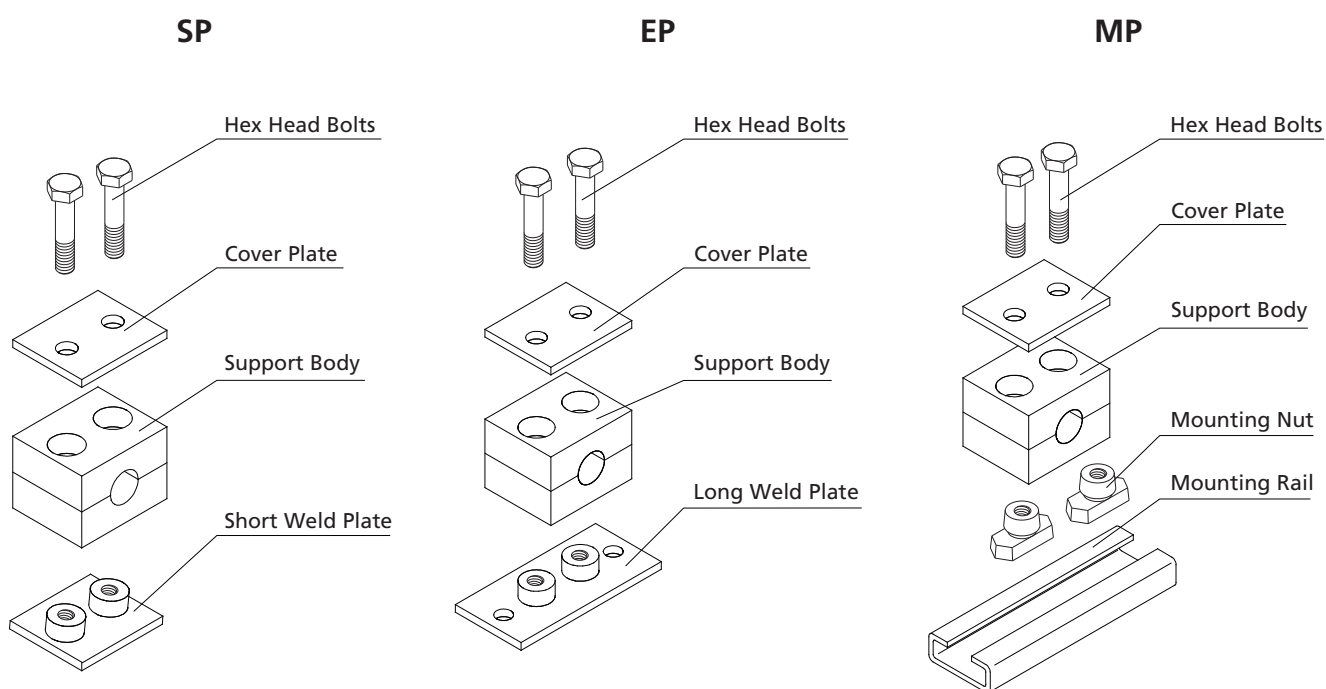
CS Series

Bolted Plastic Clamp Supports

Features

- ⦿ Comply with DIN 3015 - 1
- ⦿ Resist chemical corrosion
- ⦿ Resist ultraviolet radiation
- ⦿ Enhance system reliability
- ⦿ Vibration-proof and noise-proof design

Types



Materials

Component	Material	Designator	Temperature Range
Support Body	polypropylene	PP	-30°C to 90°C
	Polyamide	PA	-40°C to 120°C
Others (Metal Parts)	304 stainless steel	S4	—
	316 stainless steel	SS	
	Carbon steel, zinc-plated	CSG	
	Carbon steel, phosphating	CSP	

Part Number Description

Assemblies

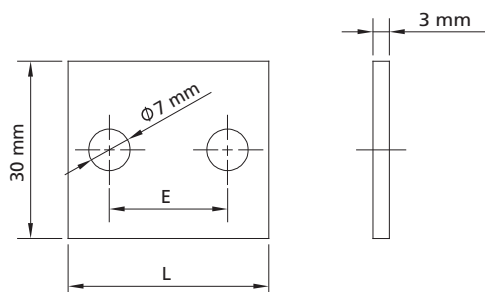
Metal Part Material		Series	Support Body Material		Type	Tube O.D.	
S4	304 stainless steel	CS	PP	polypropylene	SP EP MP	6	6 mm
SS	316 stainless steel		PA	Polyamide		6.3	6.35 mm (1/4 in.)
CSG	Carbon steel, zinc-plated					8	8 mm
CSP	Carbon steel, phosphating					9.5	9.5 mm (3/8 in.)
						10	10 mm
						12	12 mm
						12.7	12.7 mm (1/2 in.)
						14	14 mm
						15	15 mm
						16	16 mm (5/8 in.)
						18	18 mm
						19	19 mm (3/4 in.)
						20	20 mm
						22	22 mm
						25	25 mm
						25.4	25.4 mm (1 in.)
						28	28 mm
						30	30 mm
						32	32 mm (1 1/4 in.)
						35	35 mm
						38	38 mm (1 1/2 in.)
						40	40 mm
						42	42 mm
						44.5	44.5 mm (1 3/4 in.)
						50.8	50.8 mm (2 in.)

Note: "Part Number Description" is used for composition rules of FITOK product model,
Not suitable for specific product part number selection, not random combinations.
If in doubt, please contact FITOK group or authorized agent.

- Ordering Information of Mounting Rail for MP type assembly is excluded.
Mounting Rail shall be ordered separately, please refer to page 7 for details.
- All components are available to be ordered as a separate part, please refer to "Components and Dimensions" for ordering information.

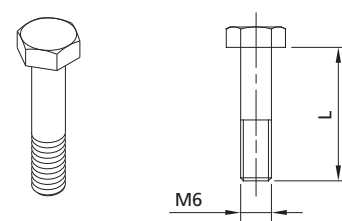
Components and Dimensions

Cover Plates



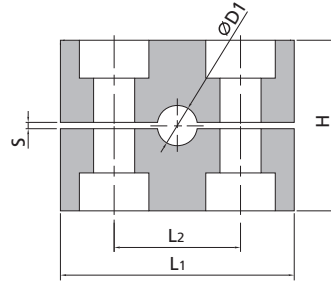
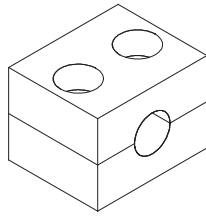
Tube O.D. (mm)	Basic Ordering Number	L (mm)	E (mm)
6 ~ 12	-CS-GP1	34	20
12.7 ~ 18	-CS-GP2	40.5	26
19 ~ 25.4	-CS-GP3	48	33
28 ~ 30	-CS-GP4	57	40
32 ~ 42	-CS-GP5	70	52
44.5 ~ 50.8	-CS-GP6	86	66

Hex Head Bolts



Tube O.D. (mm)	Basic Ordering Number	L (mm)
6 ~ 12	-CS-M6 × 30	30
12.7 ~ 18	-CS-M6 × 35	35
19 ~ 25.4	-CS-M6 × 40	40
28 ~ 30	-CS-M6 × 45	45
32 ~ 42	-CS-M6 × 60	60
44.5 ~ 50.8	-CS-M6 × 70	70

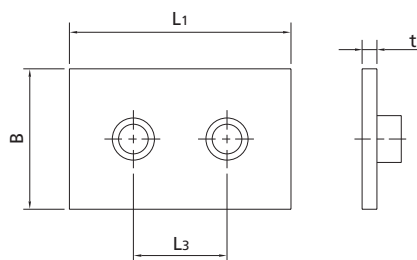
Support Bodies



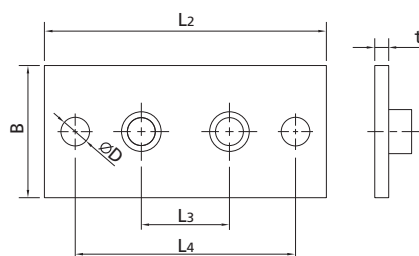
Tube O.D. Ø D ₁ mm (in.)	Basic Ordering Number	L1	L2	H	S min.	Width		
6	-CS-SB6	37	20	27	0.4	30		
6.35 (1/4)	-CS-SB6.3							
8	-CS-SB8							
9.5 (3/8)	-CS-SB9.5							
10	-CS-SB10							
12	-CS-SB12							
12.7 (1/2)	-CS-SB12.7	42	26	33	0.6			
14	-CS-SB14							
15	-CS-SB15							
16 (5/8)	-CS-SB16							
18	-CS-SB18							
19 (3/4)	-CS-SB19							
20	-CS-SB20	50	33	35			0.8	
22	-CS-SB22							
25	-CS-SB25							
25.4 (1)	-CS-SB25.4							
28	-CS-SB28							
30	-CS-SB30							
32 (1 1/4)	-CS-SB32	71	52	58				0.8
35	-CS-SB35							
38 (1 1/2)	-CS-SB38							
40	-CS-SB40							
42	-CS-SB42							
44.5 (1 3/4)	-CS-SB44.5							
50.8	-CS-SB50.8	86	66	66				

7 Tube Clamps

Weld Plates



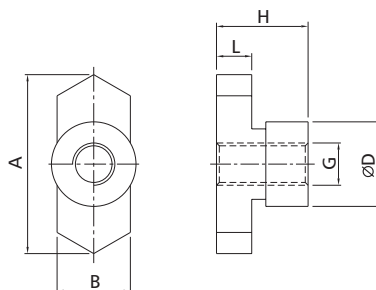
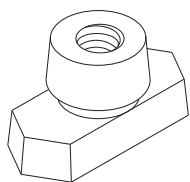
Short Weld Plate



Long Weld Plate

Tube O.D. $\varnothing D_1$ mm (in.)	Basic Ordering Number (For Short Weld Plate)	Basic Ordering Number (For Long Weld Plate)	L ₁	L ₂	L ₃	L ₄	B	$\varnothing D$	t
6 ~ 12	-CS-SP1	-CS-EP1	36	64	20	50	30	6.5	3
12.7 ~ 18	-CS-SP2	-CS-EP2	42	70	26	56			
19 ~ 25.4	-CS-SP3	-CS-EP3	50	78	33	64			
28 ~ 30	-CS-SP4	-CS-EP4	60	87	40	73			
32 ~ 42	-CS-SP5	-CS-EP5	71	100	52	86			
44.5 ~ 50.8	-CS-SP6	-CS-EP6	88	115	66	100			

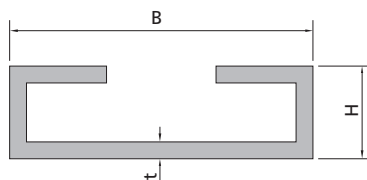
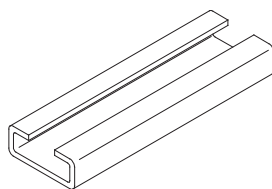
Mounting Nut



Basic Ordering Number	A	B	H	L	G	$\varnothing D$
-CS-SM	25	10.4	13	5	M6	12

Option

Mounting Rail



Basic Ordering Number	t	B	H	Length (mm)
-CS-MR11-L	2	28	11	L (upon request)
-CS-MR14-L	2	28	14	
-CS-MR30-L	2	28	30	

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