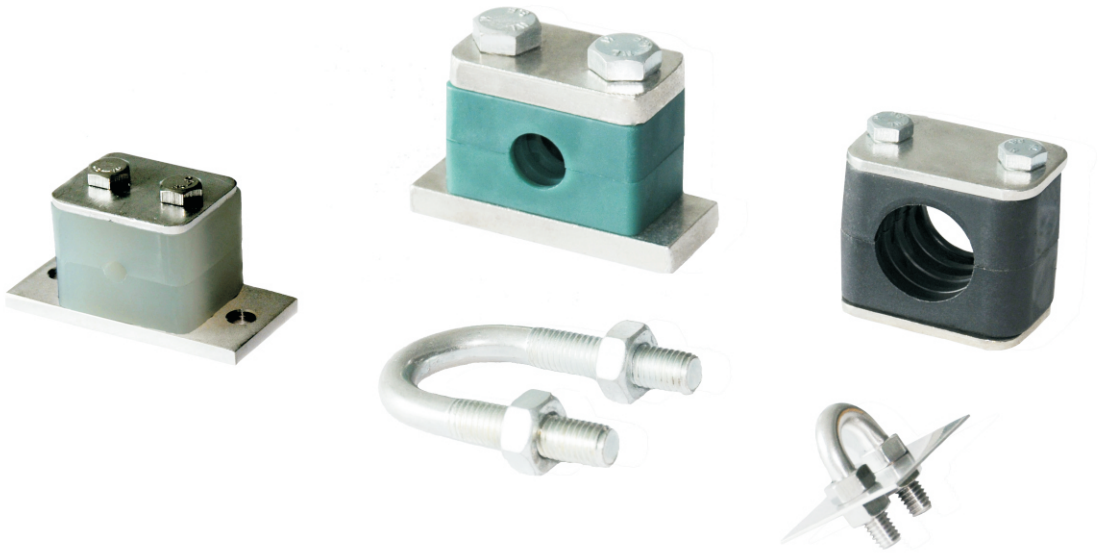
Tube Clamps

FC and CS Series



FITOK

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:

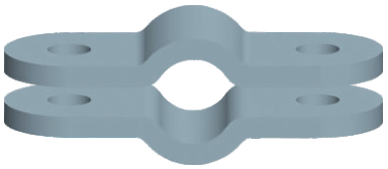
Material	Designator	Temperature Range
321 SS	S1	up to 426°C
304 SS	S4	
316 SS	SS	
Carbon Steel	CS	up to 400°C

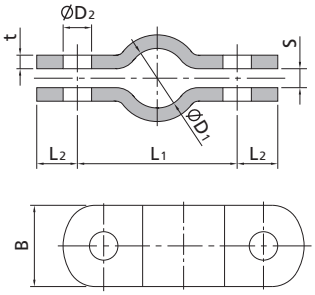
Ordering Information:

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

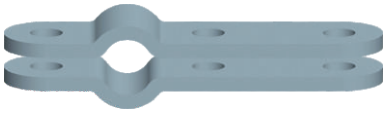
FC1 Series

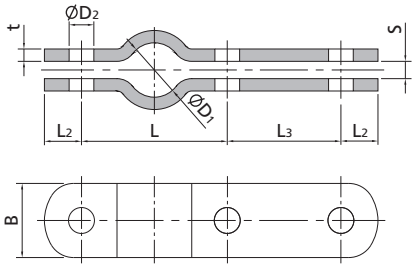




ØD1	For Tube and Pipe Outside Diameter	Basic Ordering Number	L1	L2	t	S	ØD2	B
20	18 to 20	-FC1-20	57	15	5	7	11.5	30
22	20 to 22.2	-FC1-22	59					
25	23 to 25	-FC1-25	62					
27	25 to 27	-FC1-27	66					
30	28 to 30.1	-FC1-30	68					
34	32 to 34	-FC1-34	72					
38	36 to 38.1	-FC1-38	76					
43	41 to 43	-FC1-43	82					
45	43 to 45	-FC1-45	84					
49	48 to 50.8	-FC1-49	88					
57	55 to 57	-FC1-57	104	18	6	9	14	40
60	58 to 60	-FC1-60	108					

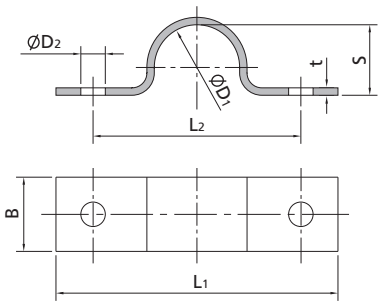
FC2 Series





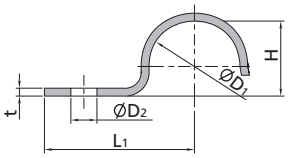
ØD1	For Tube and Pipe Outside Diameter	Basic Ordering Number	L1	L2	L3	t	S	ØD2	B
20	18 to 20	-FC2-20	57	15	46	5	7	11.5	30
22	20 to 22.2	-FC2-22	59						
25	23 to 25	-FC2-25	62						
27	25 to 27	-FC2-27	66						
30	28 to 30.1	-FC2-30	68						
34	32 to 34	-FC2-34	72						
38	36 to 38.1	-FC2-38	76						
43	41 to 43	-FC2-43	82						
45	43 to 45	-FC2-45	84						
49	48 to 50.8	-FC2-49	88						
57	55 to 57	-FC2-57	104	18	54	6	9	14	40
60	58 to 60	-FC2-60	108						

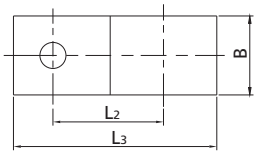
FC3 Series



ØD1	For Tube and Pipe Outside Diameter	Basic Ordering Number	L1	L2	S	ØD2	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	106	80	32		5	30
39	36 to 39	-FC3-39	110	84	34			
43	39 to 43	-FC3-43	120	88	38	14		
46	43 to 46	-FC3-46	122	90	41			
49	48 to 50.8	-FC3-49			44			
58	55 to 58	-FC3-58	142	110	52			40
61	58 to 61	-FC3-61			57			

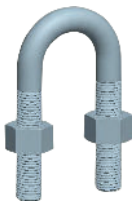
FC4 Series

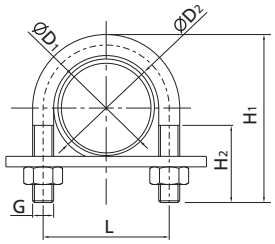




ØD1	For Tube and Pipe Outside Diameter	Basic Ordering Number	L1	L2	L3	H	ØD2	t	B
7	5.5 to 7	-FC4-7	26	14	31.5	5	6.6	2	16
9	7 to 9	-FC4-9	28	16	34.5	6			20
13	9.5 to 13	-FC4-13	30	18	38.5	9			
15.5	13 to 15.5	-FC4-15.5	32	20	41.75	12			
19	15.5 to 19	-FC4-19	34	22	45.5	15			
23	20 to 23	-FC4-23	43	28	57.5	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	14	4	40
52	49 to 52	-FC4-52	72	53	102	47			
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	ØD2	Basic Ordering Number	ØD2	L	H1	H2	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			
	33.7							
DN32	38	-FC5-46	46	56	86	50		
	42.4							
DN40	44.5	-FC5-52	52	62	92			
	48.3							
DN50	57	-FC5-64	64	76	109		M12	
	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	M16	
	114.3							
DN125	133	-FC5-148	148	164	191			
	139.7							

CS Series

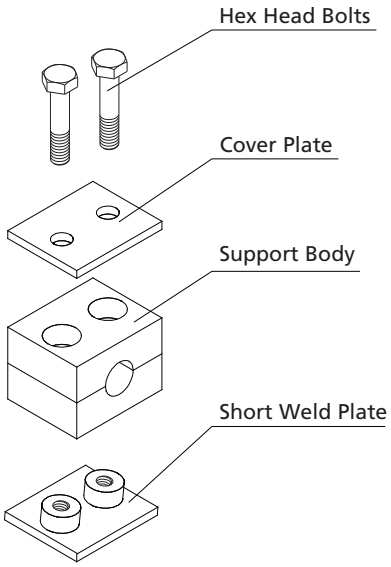
Bolted Plastic Clamp Supports

Features

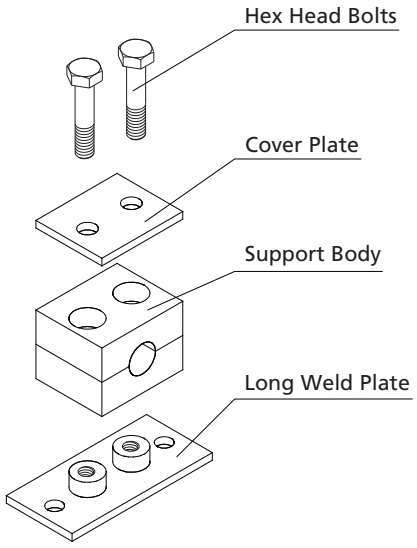
- ◎ Comply with DIN 3015 - 1
- ◎ Resist chemical corrosion
- ◎ Resist ultraviolet radiation
- ◎ Enhance system reliability
- ◎ Vibration-proof and noise-proof design

Types

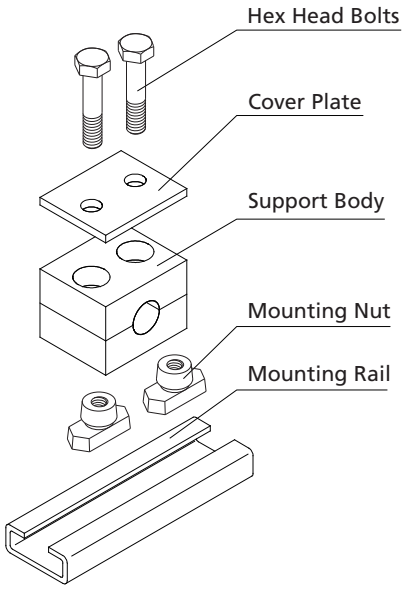
SP



EP



MP



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

S4 – CS – PP – EP – 12

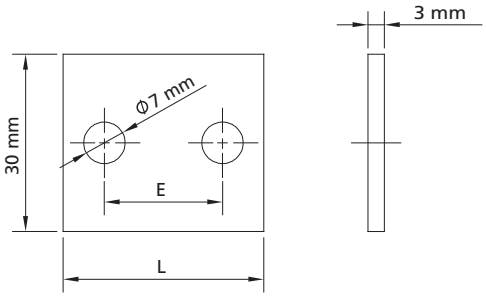
Metal Part Material		Series	Support Body Material		Type	Tube O.D.	
S4	304 stainless steel	CS	PP	polypropylene	SP	6	6 mm
SS	316 stainless steel		PA	Polyamide	EP	6.3	6.35 mm (1/4 in.)
CSG	Carbon steel, zinc-plated				MP	8	8 mm
CSP	Carbon steel, phosphating					9.5	9.5 mm (3/8 in.)
						10	10 mm
						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.

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

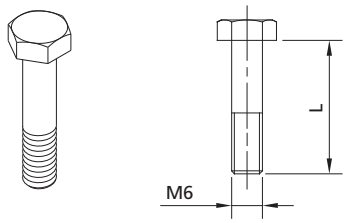
Components and Dimensions

Cover Plates



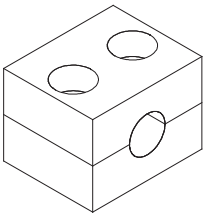
Tube O.D. (mm)	Basic Ordering Number	L (mm)	E (mm)
6 ~ 12	-CS-GP1	34	20
12.7 ~ 18	-CS-GP2	40.5	26
19 ~ 25.4	-CS-GP3	48	33
28 ~ 30	-CS-GP4	57	40
32 ~ 42	-CS-GP5	70	52
44.5 ~ 50.8	-CS-GP6	86	66

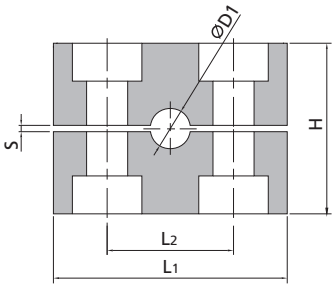
Hex Head Bolts



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

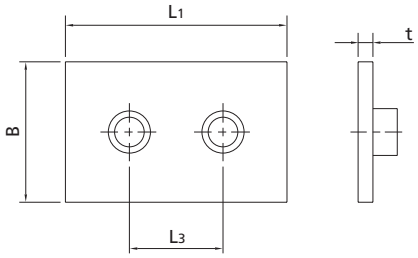
Support Bodies



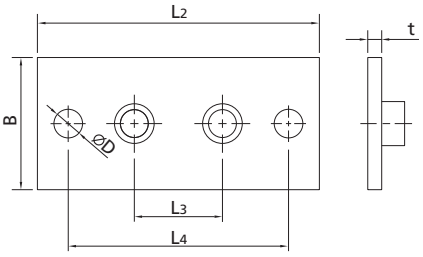


Tube O.D. ∅D1 mm (in.)	Basic Ordering Number	L1	L2	H	S min.	Width
6	-CS-SB6	37	20	27	0.4	30
6.35 (1/4)	-CS-SB6.3					
8	-CS-SB8					
9.5 (3/8)	-CS-SB9.5					
10	-CS-SB10					
12	-CS-SB12					
12.7 (1/2)	-CS-SB12.7	42	26	33	0.6	
14	-CS-SB14					
15	-CS-SB15					
16 (5/8)	-CS-SB16					
18	-CS-SB18					
19 (3/4)	-CS-SB19	50	33	35		
20	-CS-SB20					
22	-CS-SB22					
25	-CS-SB25					
25.4 (1)	-CS-SB25.4					
28	-CS-SB28	59	40	42		
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	86	66	66		
50.8	-CS-SB50.8					

Weld Plates



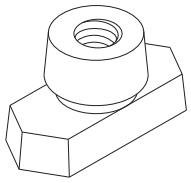
Short Weld Plate

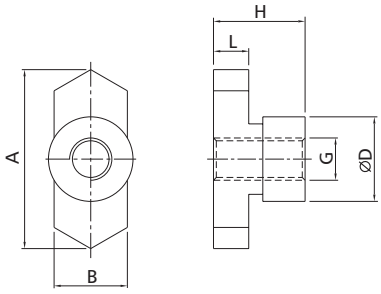


Long Weld Plate

Tube O.D. ∅D1 mm (in.)	Basic Ordering Number (For Short Weld Plate)	Basic Ordering Number (For Long Weld Plate)	L1	L2	L3	L4	B	∅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

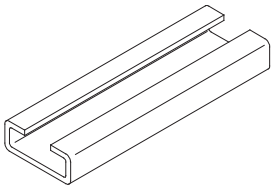


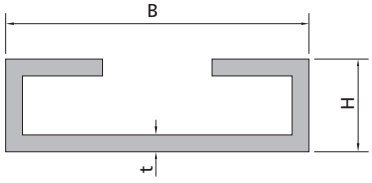


Basic Ordering Number	A	B	H	L	G	∅D
-CS-SM	25	10.4	13	5	M6	12

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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www.fitok.com

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