



LOCAL SOLUTIONS FOR INDIVIDUAL CUSTOMERS WORLDWIDE



Hi-Clean Stainless Steel Series

Patent approved and ASME-BPE compliant design





Hi-Clean Stainless Steel Series

The STAUFF group of companies has a long track record of developing, manufacturing and marketing fluid technology related components for general plant and machine building and ranks amongst the world's leading companies, particularly in the field of industrial pipe, tube and hose clamps.

STAUFF Stainless Steel pipe clamps of the so-called Hi-Clean series were developed specifically for use in industrial clean rooms with the highest demands regarding hygiene and design.

They are primarily used in the fields of process engineering and in the food, beverage and pharmaceuticals industry.

Features

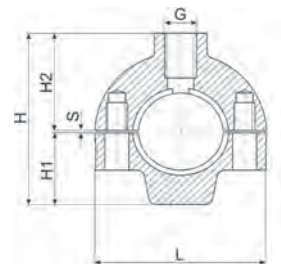
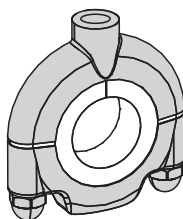
- Patent approved design
- All the components are designed to comply with specifications and guidelines as defined by ASME-BPE
- Suitable for pipes, tubes and other lines with outer diameters between 6,4 mm and 168,4 mm
- Rounded-off edges and corners to prevent dirt adhesion; no exposed threads or threads covered with acorn nuts
- All plastic components comply with the specifications of the FDA (Food and Drug Administration of the United States)
- All metal components manufactured from corrosion-resistant Stainless Steel with high-gloss polished material surfaces

Sample Applications:



HHH T

Top Mount



Complete Part:

- Hi-Clean housing
- Insert
- Bolts with acorn nuts

Material

Housing

Stainless Steel A4 - 1.4408 (AISI 316) - Code: **W5**

Insert - Pipe Anchor

Silicone (blue) / Shore-Hardness: 70° Shore A

Code: **SL**

Insert - Pipe Guide

PTFE (white) / Shore-Hardness 50°-65 ° Shore D

Code: **TF**

Bolts with Acorn Nuts

Stainless Steel A2 - 1.4301 (AISI 304)

Code: **W4**

Type of Thread

Metric thread - Code: **M**

Assembling & Packaging

Packed in kits - Code: **#K**

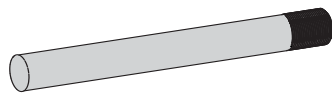
Assembled, supplied separately - Code: **#A**

Order Example: HHH T 112 SL M W5 #K

STAUFF Group		Order Codes Complete Parts	Dimensions					Insert		
			L	H1	H2	Width	G	Pipe Anchor H S H	Pipe Guide H	
1	6,4	1/4	51,3	23,1	31	16	M10	55,7	1,6	54,1
	9,5	3/8								
	12									
	12,7	1/2								
	15,9	5/8								
	17,3									
	19	3/4								
	21,3									
2	22,2	7/8	64	28,4	37,3	16	M10	67,3	1,6	65,7
	25,4	1								
	26,7									
	28,6	1-1/8								
	31,8	1-1/4								
	33,7									
3	34,9	1-3/8	92	40	46,5	19,1	M10	88,9	2,4	86,5
	38,1	1-1/2								
	41,3	1-5/8								
	42,2	1-2/3								
	48,3									
	50,8	2								
4	54	2-1/8	133,4	60,4	65,2	22,4	M12	128,7	3,1	125,6
	60,3	2-3/8								
	63,5	2-1/2								
	66,7									
	73,2									
	76,1	3								
5	79,4	3-1/8	171,5	77,7	87,4	25,4	M16	168,2	3,1	165,1
	88,9	3-1/2								
	101,6	4								
	104,8									
6	114,3	4-1/2	228,6	109,7	112,7	31,8	M20	225,5	3,1	222,4
	152,4	6								
	168,4									

Hi-Clean Stainless Steel Series HHH T - Accessories

Rod (for top mount) - HHR S



STAUFF Group	Ø	Order Codes	Dimensions Length	Thread
1	10	HHR S 1-3 *** M W5	006 = 152 012 = 305 024 = 610	M10
2				
3				
4	12	HHR S 4 *** M W5		M12
5	16	HHR S 5 *** M W5		M16
6	20	HHR S 6 *** M W5		M20

Gasket - HHG

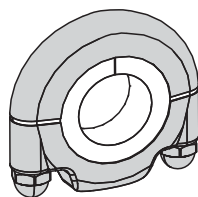
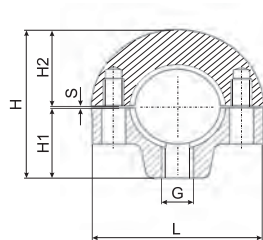


STAUFF Group	Order Codes	Material SL
1	HHG 1-3 SL	Silicone
2		
3		
4	HHG 4 SL	
5	HHG 5 SL	
6	HHG 6 SL	

Inserts - HHI

For further information on available inserts please see page 7.

All dimensions in mm. Other sizes are available on request.



HHH B

Bottom Mount

STAUFF Group			Order Codes Complete Parts	Dimensions					Insert		
	Ø (mm)	Ø (in)		L	H1	H2	Width	G	Pipe Anchor H	S	Pipe Guide H
1	6,4	1/4	HHH B 106,4 * M W5 #*	51,3	23,1	24,9	16	M10	49,6	1,6	48
	9,5	3/8	HHH B 109,5 * M W5 #*								
	12		HHH B 112 * M W5 #*								
	12,7	1/2	HHH B 112,7 * M W5 #*								
	15,9	5/8	HHH B 115,9 * M W5 #*								
	17,3		HHH B 117,3 * M W5 #*								
	19	3/4	HHH B 119 * M W5 #*								
	21,3		HHH B 121,3 * M W5 #*								
2	22,2	7/8	HHH B 122,2 * M W5 #*	64	28,4	31,2	16	M10	61,2	1,6	59,6
	25,4	1	HHH B 225,4 * M W5 #*								
	26,7		HHH B 226,7 * M W5 #*								
	28,6	1-1/8	HHH B 228,6 * M W5 #*								
	31,8	1-1/4	HHH B 231,8 * M W5 #*								
	33,7		HHH B 233,7 * M W5 #*								
3	34,9	1-3/8	HHH B 234,9 * M W5 #*	92	40	45	19,1	M10	87,4	2,4	85
	38,1	1-1/2	HHH B 338,1 * M W5 #*								
	41,3	1-5/8	HHH B 341,3 * M W5 #*								
	42,2	1-2/3	HHH B 342,2 * M W5 #*								
	48,3		HHH B 348,3 * M W5 #*								
	50,8	2	HHH B 350,8 * M W5 #*								
4	54	2-1/8	HHH B 354 M * M W5 #*	133,4	60,4	65,2	22,4	M12	128,7	3,1	125,6
	60,3	2-3/8	HHH B 460,3 * M W5 #*								
	63,5	2-1/2	HHH B 463,5 * M W5 #*								
	66,7		HHH B 466,7 * M W5 #*								
	73,2		HHH B 473,2 * M W5 #*								
	76,1	3	HHH B 476,1 * M W5 #*								
	79,4	3-1/8	HHH B 479,4 * M W5 #*								
5	88,9	3-1/2	HHH B 488,9 * M W5 #*	171,5	77,7	84,3	25,4	M16	165,1	3,1	162
	101,6	4	HHH B 5101,6 * M W5 #*								
	104,8		HHH B 5104,8 * M W5 #*								
6	114,3	4-1/2	HHH B 5114,3 * M W5 #*	228,6	109,7	112,7	31,8	M20	225,5	3,1	222,4
	152,4	6	HHH B 6152,4 * M W5 #*								
	168,4		HHH B 6168,4 * M W5 #*								

Complete Part:

- Hi-Clean housing
- Insert
- Bolts with acorn nuts

Material

Housing

Stainless Steel A4 - 1.4408 (AISI 316) - Code: **W5**

Insert - Pipe Anchor

Silicone (blue) / Shore-Hardness: 70° Shore A

Code: **SL**

Insert - Pipe Guide

PTFE (white) / Shore-Hardness: 50°-65 ° Shore D

Code: **TF**

Bolts with Acorn Nuts

Stainless Steel A2 - 1.4301 (AISI 304)

Code: **W4**

Type of Thread

Metric thread - Code: **M**

Assembling & Packaging

Packed in kits - Code: **#K**

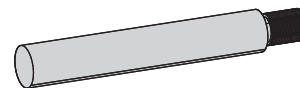
Assembled, supplied separately - Code: **#A**

Order Example: **HHH B 112 SL M W5 #K**

Hi-Clean Stainless Steel Series HHH B - Accessories

STAUFF Group	Ø	Order Codes	Dimensions Length	Thread
1	12	HHR BS 1-3 *** M W5	006 = 152 012 = 305 024 = 610	M10
2				
3				
4	16	HHR BS 4 *** M W5	006 = 152 012 = 305 024 = 610	M12
5	20	HHR BS 5 *** M W5		M16
6	24	HHR BS 6 *** M W5		M20

Rod (for bottom mount) - **HHR BS**



Inserts - HHI

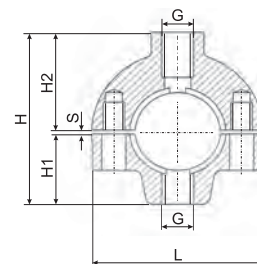
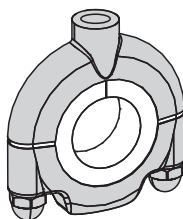
For further information on available inserts please see page 7.

Bottom Mount - HFS

Bottom mount assembly for housing HHH B optionally available in two different versions. For further information please see page 11.

HHH M

Multiple-Run



Complete Part:

- Hi-Clean housing
- Insert
- Bolts with acorn nuts

Material

Housing

Stainless Steel A4 - 1.4408 (AISI 316) - Code: **W5**

Insert - Pipe Anchor

Silicone (blue) / Shore-Hardness: 70° Shore A

Code: **SL**

Insert - Pipe Guide

PTFE (white) / Shore-Hardness: 50°-65 ° Shore D

Code: **TF**

Bolts with Acorn Nuts

Stainless Steel A2 - 1.4301 (AISI 304)

Code: **W4**

Type of Thread

Metric thread - Code: **M**

Assembling & Packaging

Packed in kits - Code: **#K**

Assembled, supplied separately - Code: **#A**

Order Example: HHH M 112 SL M W5 #K

STAUFF Group	 Ø (mm) Ø (in)		Order Codes Complete Parts	Dimensions					Insert		
				L	H1	H2	Width	G	Pipe Anchor H	S	Pipe Guide H
1	6,4	1/4	HHH M 106,4 * M W5 #*	51,3	23,1	31	16	M10	55,7	1,6	54,1
	9,5	3/8	HHH M 109,5 * M W5 #*								
	12		HHH M 112 * M W5 #*								
	12,7	1/2	HHH M 112,7 * M W5 #*								
	15,9	5/8	HHH M 115,9 * M W5 #*								
	17,3		HHH M 117,3 * M W5 #*								
	19	3/4	HHH M 119 * M W5 #*								
	21,3		HHH M 121,3 * M W5 #*								
2	22,2	7/8	HHH M 122,2 * M W5 #*	64	28,4	37,3	16	M10	67,3	1,6	65,7
	25,4	1	HHH M 225,4 * M W5 #*								
	26,7		HHH M 226,7 * M W5 #*								
	28,6	1-1/8	HHH M 228,6 * M W5 #*								
	31,8	1-1/4	HHH M 231,8 * M W5 #*								
	33,7		HHH M 233,7 * M W5 #*								
	34,9	1-3/8	HHH M 234,9 * M W5 #*								
	38,1	1-1/2	HHH M 338,1 * M W5 #*	92	40	46,5	19,1	M10	88,9	2,4	86,5
3	41,3	1-5/8	HHH M 341,3 * M W5 #*								
	42,2	1-2/3	HHH M 342,2 * M W5 #*								
	48,3		HHH M 348,3 * M W5 #*								
	50,8	2	HHH M 350,8 * M W5 #*								
	54	2-1/8	HHH M 354 M * M W5 #*								
4	60,3	2-3/8	HHH M 460,3 * M W5 #*	133,4	60,4	65,2	22,4	M12	128,7	3,1	125,6
	63,5	2-1/2	HHH M 463,5 * M W5 #*								
	66,7		HHH M 466,7 * M W5 #*								
	73,2		HHH M 473,2 * M W5 #*								
	76,1	3	HHH M 476,1 * M W5 #*								
	79,4	3-1/8	HHH M 479,4 * M W5 #*								
	88,9	3-1/2	HHH M 488,9 * M W5 #*								
5	101,6	4	HHH M 5101,6 * M W5 #*	171,5	77,7	87,4	25,4	M16	168,2	3,1	165,1
	104,8		HHH M 5104,8 * M W5 #*								
	114,3	4-1/2	HHH M 5114,3 * M W5 #*								
6	152,4	6	HHH M 6152,4 * M W5 #*	228,6	109,7	112,7	31,8	M20	225,5	3,1	222,4
	168,4		HHH M 6168,4 * M W5 #*								

Hi-Clean Stainless Steel Series HHH M - Accessories

Rod (for multiple-run) - HHR M



STAUFF Group	Ø	Order Codes	Length	Thread
1	10	HHR M 1-3 000 M W5	000 = Adaptor	M10
2				
3				
4	12	HHR M 4 000 M W5		M12
5	16	HHR M 5 000 M W5		M16
6	20	HHR M 6 000 M W5		M20

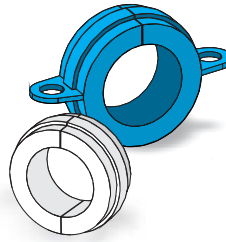
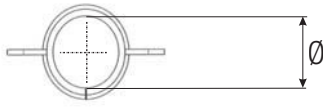
Inserts - HHI

For further information on available inserts please see page 7.

Bottom Mount - HFS

Bottom mount assembly for housing HHH M optionally available in two different versions. For further information please see page 11.

All dimensions in mm. Other sizes are available on request.



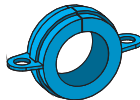
HHI

Insert

STAUFF Group		Order Codes Components
1	6,4 1/4	HHI 106,4 **
	9,5 3/8	HHI 109,5 **
	12	HHI 112 **
	12,7 1/2	HHI 112,7 **
	15,9 5/8	HHI 115,9 **
	17,3	HHI 117,3 **
	19 3/4	HHI 119 **
	21,3	HHI 121,3 **
2	22,2 7/8	HHI 122,2 **
	25,4 1	HHI 125,4 **
	26,7	HHI 226,7 **
	28,6 1-1/8	HHI 228,6 **
	31,8 1-1/4	HHI 231,8 **
	33,7	HHI 233,7 **
	34,9 1-3/8	HHI 234,9 **
	38,1 1-1/2	HHI 338,1 **
3	41,3 1-5/8	HHI 341,3 **
	42,2 1-2/3	HHI 342,2 **
	48,3	HHI 348,3 **
	50,8 2	HHI 350,8 **
	54 2-1/8	HHI 354 **
	54 2-1/8	HHI 454 **
4	60,3 2-3/8	HHI 460,3 **
	63,5 2-1/2	HHI 463,5 **
	66,7	HHI 466,7 **
	73,2	HHI 473,2 **
	76,1 3	HHI 476,1 **
	79,4 3-1/8	HHI 479,4 **
	88,9 3-1/2	HHI 488,9 **
5	101,6 4	HHI 5101,6 **
	104,8	HHI 5104,8 **
	114,3 4-1/2	HHI 5114,3 **
6	152,4 6	HHI 6152,4 **
	168,4	HHI 6168,4 **

Order Example: HHI 106,4 SL

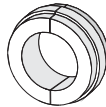
The following inserts are recommended to be used depending on the selected tube type listed.



Pipe Anchor - Code: SL

- Material: Silicone (blue)
- Operating temperature: -40 °C ... +200 °C
- Shore-Hardness: 70° Shore-A

Nominal Size		Tube	Copper Tube	O.D.	Pipe	O.D.	DIN 11850 *1	O.D.	ISO 4200 *2	O.D.
Inch	Metric	Inch	EN 1057							
1/4	8	HHI 106,4 SL	HHI 109,5 SL	10	HHI 112,7 SL	13,7	HHI 109,5 SL	10	HHI 112,7 SL	13,5
3/8	10	HHI 109,5 SL	HHI 112,7 SL	12	HHI 117,3 SL	17,3	HHI 112 SL	12	HHI 117,3 SL	17,2
1/2	15	HHI 112,7 SL	HHI 115,9 SL	15	HHI 121,3 SL	21,3	HHI 119 SL	19	HHI 121,3 SL	21,3
3/4	20	HHI 119 SL	HHI 122,2 SL	22	HHI 226,7 SL	26,7	HHI 122,2 SL	23	HHI 226,7 SL	26,9
1	25	HHI 225,4 SL	HHI 228,6 SL	28	HHI 233,7 SL	33,5	HHI 228,6 SL	29	HHI 233,7 SL	33,7
1-1/4	32	HHI 231,8 SL	HHI 234,9 SL	35	HHI 342,2 SL	42,2	HHI 234,9 SL	35	HHI 342,2 SL	42,4
1-1/2	40	HHI 338,1 SL	HHI 342,2 SL	42	HHI 348,3 SL	48,3	HHI 341,3 SL	41	HHI 348,3 SL	48,3
2	50	HHI 350,8 SL	HHI 354 SL	54	HHI 460,3 SL	60,5	HHI 354 SL	53	HHI 460,3 SL	60,3
2-1/2	65	HHI 463,5 SL	HHI 463,5 SL	64	HHI 473,2 SL	73,2	HHI 470 SL *3	70	HHI 476,1 SL	76,1
3	80	HHI 476,1 SL			HHI 488,9 SL	88,9	HHI 485 SL *3	85	HHI 488,9 SL	88,9
4	100	HHI 5101,6 SL			HHI 5114,3 SL	114,3	HHI 5104,8 SL	104	HHI 5114,3 SL	114,3
6	150	HHI 6152,4 SL			HHI 6168,4 SL	168,4	HHI 6152,4 SL	154	HHI 6152,4 SL	154



Pipe Guide - Code: TF

- Material: PTFE (white)
- Operating temperature: -200 °C ... +260 °C
- Shore-Hardness: 50°-65° Shore-D

Nominal Size		Tube	Copper Tube	O.D.	Pipe	O.D.	DIN 11850 *1	O.D.	ISO 4200 *2	O.D.
Inch	Metric	Inch	EN 1057							
1/2	15	HHI 112,7 TF	HHI 115,9 TF	15	HHI 121,3 TF	21,3	HHI 119 TF	19	HHI 121,3 TF	21,3
3/4	20	HHI 223 TF *	HHI 122,2 TF	22	HHI 226,7 TF	26,7	HHI 225,4 TF	23	HHI 226,7 TF	26,9
1	25	HHI 225,4 TF	HHI 228,6 TF	28	HHI 233,7 TF	33,5	HHI 231,8 TF	29	HHI 233,7 TF	33,7
1-1/4	32	HHI 231,8 TF	HHI 338,1 TF	35	HHI 342,2 TF	42,2	HHI 338,1 TF	35	HHI 342,2 TF	42,4
1-1/2	40	HHI 338,1 TF	HHI 442,2 TF	42	HHI 348,3 TF	48,3	HHI 342,4 TF	41	HHI 348,3 TF	48,3
2	50	HHI 350,8 TF	HHI 454 TF *	54	HHI 460,3 TF	60,5	HHI 353 TF *4	53	HHI 460,3 TF	60,3
2-1/2	65	HHI 463,5 TF			HHI 473,2 TF	73,2	HHI 473,2 TF	70	HHI 476,1 TF	76,1
3	80	HHI 476,1 TF			HHI 488,9 TF *3	88,9	HHI 485 TF	85	HHI 488,9 TF *3	88,9
4	100	HHI 5101,6 TF			HHI 5114,3 TF	114,3	HHI 5104,8 TF	104	HHI 5114,3 TF	114,3
6	150	HHI 6152,4 TF			HHI 6168,4 TF	168,4	HHI 6155,6 TF	154	HHI 6152,4 TF	154

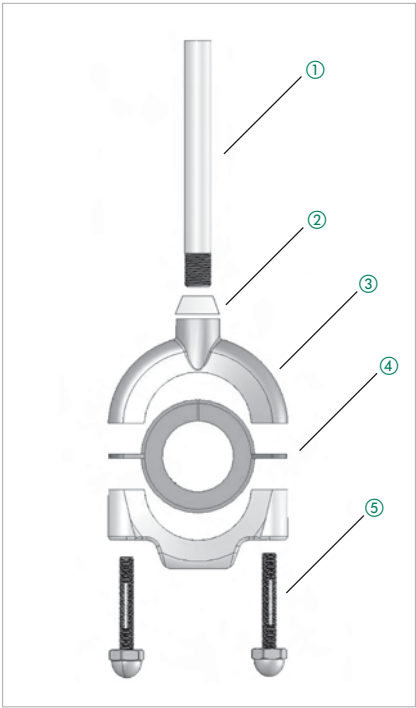
* To retain the material thickness of the insert, the next bigger clamp housing size is to be selected when a PTFE insert is used.

*1 DIN 11850 Tubes for food, chemical and pharmaceuticals industry, Stainless Steel tubes.

*2 ISO 4200 Plain end Steel tubes, welded and seamless.

*3 Special inserts

*4 Special insert in conjunction with washer DIN 1441-8.



Stainless Steel Hi-Clean Housing Assembly

- ① **HHR** - Rod
- ② **HHG** - Gasket
- ③ **HHH T *** - Housing (for top mount)
- ④ **HHI *** - Insert
- ⑤ **HGSM *** - Bolts with acorn nuts

** belongs to the scope of delivery*

Complete Parts - Hi-Clean Stainless Steel Series

HHH

T

106,4

SL

M

W5

#A

①

②

③

④

⑤

⑥

⑦

① Hi-Clean Housing

② Type of Installation

T Top mount

B Bottom mount

M Multiple-run

③ STAUFF Group and Housing Size

STAUFF Group			Material Codes
	Ø (mm)	Ø (in)	
1	6,4	1/4	106,4
	9,5	3/8	109,5
	...	...	...
2	...	...	...
3	38,1	1-1/2	338,1
4	...	...	...
5	...	...	...
6	...	...	...

④ Material of Insert

SL Silicone (Pipe Anchor)

TF PTFE (Pipe Guide)

⑤ Type of Thread

M Metric thread

⑥ Material of Metal Parts

W5 Stainless Steel A4 - 1.4408 (AISI 316)

⑦ Assembling and Packaging

#A Assembled, supplied separately

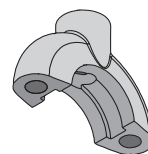
#K Packed in kits

HGH	T	1	M	W5
①	②	③	④	⑤
① Hi-Clean Top Half with Thread				
② Type of Installation	T Top mount			
③ STAUFF Group	See table, available groups 1, 2, 3, 4, 5, 6			
④ Type of Thread	M Metric thread			
⑤ Material of Metal Parts	W5 Stainless Steel A4 - 1.4408 (AISI 316)			

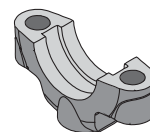
HGH	T	1	W5
①	②	③	④
① Hi-Clean Bottom Half without Thread			
② Type of Installation	T Top mount		
③ STAUFF Group	See table, available groups 1, 2, 3, 4, 5, 6		
④ Material of Metal Parts	W5 Stainless Steel A4 - 1.4408 (AISI 316)		

HGH T

(Top Mount) Components



Top Half with Thread



Bottom Half without Thread

Order Examples:

Top half with thread: **HGH T 1 M W5**

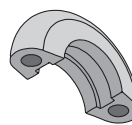
Bottom half without thread: **HGH T 1 W5**

HGH	B	1	W5
①	②	③	④
① Hi-Clean Top Half without Thread			
② Type of Installation	B Bottom mount		
③ STAUFF Group	See table, available groups 1, 2, 3, 4, 5, 6		
④ Material of Metal Parts	W5 Stainless Steel A4 - 1.4408 (AISI 316)		

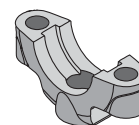
HGH	B	1	M	W5
①	②	③	④	⑤
① Hi-Clean Bottom Half with Thread				
② Type of Installation	B Bottom mount			
③ STAUFF Group	See table, available groups 1, 2, 3, 4, 5, 6			
④ Type of Thread	M Metric thread			
⑤ Material of Metal Parts	W5 Stainless Steel A4 - 1.4408 (AISI 316)			

HGH B

(Bottom Mount) Components



Top Half without Thread



Bottom Half with Thread

Order Examples:

Top half without thread: **HGH B 1 W5**

Bottom half with thread: **HGH B 1 M W5**

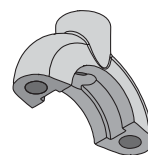
HGH	T	1	M	W5
①	②	③	④	⑤
① Hi-Clean Top Half with Thread				
② Type of Installation	T Top mount			
③ STAUFF Group	See table, available groups 1, 2, 3, 4, 5, 6			
④ Type of Thread	M Metric thread			
⑤ Material of Metal Parts	W5 Stainless Steel A4 - 1.4408 (AISI 316)			

HGH	B	1	M	W5
①	②	③	④	⑤
① Hi-Clean Bottom Half with Thread				
② Type of Installation	B Bottom mount			
③ STAUFF Group	See table, available groups 1, 2, 3, 4, 5, 6			
④ Type of Thread	M Metric thread			
⑤ Material of Metal Parts	W5 Stainless Steel A4 - 1.4408 (AISI 316)			

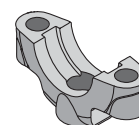
HGH M

(Multiple-Run) Components

Multiple-Run consists of threaded single components of top and bottom mount version.



Top Half with Thread



Bottom Half with Thread

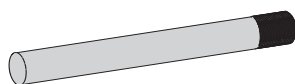
Order Examples:

Top half with thread: **HGH T 1 M W5**

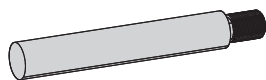
Bottom half with thread: **HGH B 1 M W5**

HHR

Rod



Rod for Top Mount



Rod for Bottom Mount



Adaptor for Multiple-run

Order Examples:

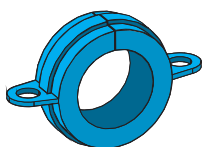
Rod: **HHR S 1-3 006 M W5**Adaptor: **HHR M 1-3 000 M W5**

	HHR	S	1-3	006	M	W5
	①	②	③	④	⑤	⑥
①	Hi-Clean Rod			④ Length of Rod		
				000 Adaptor *		
②	Type / Type of Installation			006 152 mm		
	S For top mount			012 305 mm		
	BS For bottom mount			024 610 mm		
	M Adaptor for multiple-run			⑤ Type of Thread		
③	STAUFF Group			M Metric thread		
	1-3 Group 1-3			⑥ Material of Metal Parts		
	4 Group 4			W5 Stainless Steel A4 - 1.4571 (AISI 316Ti)		
	5 Group 5					
	6 Group 6					

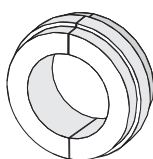
* When ordering a stacking adaptor (direct mounting of two housings on each other), please indicate "000" as length.

HHI

Insert



Pipe Anchor



Pipe Guide

Order Examples:

Pipe Anchor: **HHI 106,4 SL**Pipe Guide: **HHI 106,4 TF**

Please see information on page 7.

	HHI	106,4	SL																																								
	①	②	③																																								
①	Hi-Clean Insert		③ Material of Insert																																								
			SL Silicone (blue), Pipe Anchor																																								
			-40 °C ... +200 °C																																								
			70° Shore-A																																								
②	STAUFF Group & Housing Size		TF PTFE (white), Pipe Guide																																								
			-200 °C ... +260 °C																																								
			50°-65° Shore-D																																								
	<table border="1"> <thead> <tr> <th>STAUFF Group</th><th>→</th><th>←</th><th>Material Code</th></tr> <tr> <th></th><th>Ø (mm)</th><th>Ø (in)</th><th></th></tr> </thead> <tbody> <tr> <td>1</td><td>6,4</td><td>1/4</td><td>106,4</td></tr> <tr> <td></td><td>9,5</td><td>3/8</td><td>109,5</td></tr> <tr> <td></td><td>...</td><td>...</td><td>...</td></tr> <tr> <td>2</td><td>...</td><td>...</td><td>...</td></tr> <tr> <td>3</td><td>38,1</td><td>1-1/2</td><td>338,1</td></tr> <tr> <td>4</td><td>...</td><td>...</td><td>...</td></tr> <tr> <td>5</td><td>...</td><td>...</td><td>...</td></tr> <tr> <td>6</td><td>...</td><td>...</td><td>...</td></tr> </tbody> </table>		STAUFF Group	→	←	Material Code		Ø (mm)	Ø (in)		1	6,4	1/4	106,4		9,5	3/8	109,5		...	...	...	2	...	...	...	3	38,1	1-1/2	338,1	4	...	...	...	5	...	...	...	6	...	...	...	
STAUFF Group	→	←	Material Code																																								
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4	...	...	...																																								
5	...	...	...																																								
6	...	...	...																																								

HHG

Gasket



HGSM

Bolts with Acorn Nuts



HHG	1-3	SL
①	②	③
① Hi-Clean Gasket		
② STAUFF Group Rod		
	Group 1-3, 4, 5, 6	
③ Material of Gasket		
	SL Silicone	

Note: Only available for rod type S.

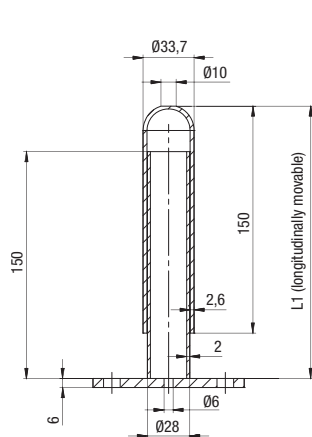
Order Example:

Gasket: **HHG 1-3 SL**

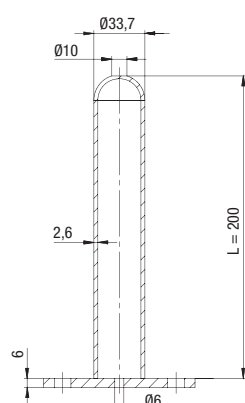
HGSM	1	U	W4
①	②	③	④
① Hi-Clean Bolts with Acorn Nuts		③ Type of Thread	
		U UNC thread	
② STAUFF Group		④ Material of Metal Parts	
	Group 1, 2, 3, 4, 5, 6		
	W4 Stainless Steel A2 - 1.4301 (AISI 304)		

Order Example:

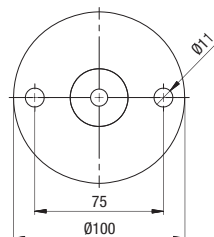
Bolts with acorn nuts: **HGSM 1 U W4**



HFS V1 W5 (variable length)

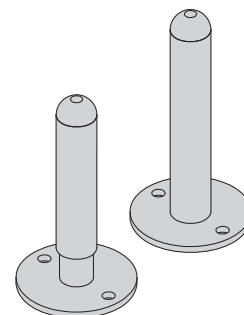


HFS F1 W5

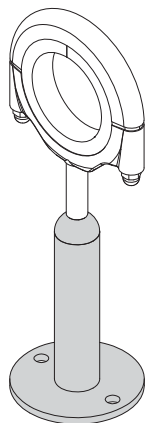


HFS

Floor Stand



Example of Mounting *



* Housing HHH B, insert HHI and rod HHR do not belong to the scope of delivery.

STAUFF Group	Order Code	L1
1	HFS V1 W5	170 - 290 mm
2		
3		
4		
5		
6		

STAUFF Group	Order Code	L
1	HFS F1 W5	200 mm
2		
3		
4		
5		
6		

Also available:

Cover Rosette for Floor Stand

Dimensions: 106 mm x 16 mm

Material: Stainless Steel A4 - 1.4571 (316Ti),
matt polished

Order Code: **HCR-W5**

HFS

①

① Hi-Clean Floor Stand

F1

②

② Type

F1 fixed length

V1 variable length
(to fix by welding)

W5

③

③ Material of Metal Parts

W5 Stainless Steel A4 - 1.4571 (316Ti),
polished surface

Order Codes:

Floor Stand Type F1: **HFS F1 W5**

Floor Stand Type V1: **HFS V1 W5**

HWMP

①

① Hi-Clean Wall Mount Plate

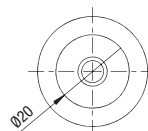
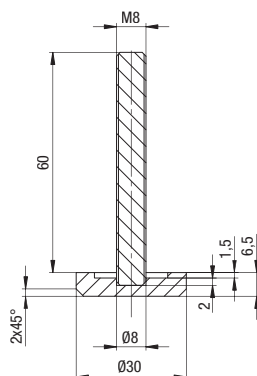
For cavity walls
in industrial clean rooms
(e.g. with cavity anchor M8 x 50)

W4

②

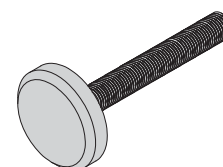
② Material of Metal Parts

W4 Stainless Steel A4 - 1.4301 (AISI 304),
polished surface



HWMP W4

Wall Mount Plate



Note: To be used in combination with HHR S / BS.

Order Code:

Wall Mount Plate: **HWMP W4**

All dimensions in mm.