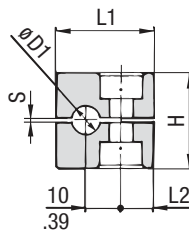
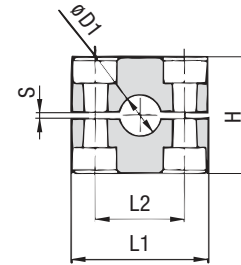


Clamp Body - Profiled Design
Profiled Inside Surface with Tension Clearance

A



STAUFF Group 1



STAUFF Group 1A to 8

Ordering Codes

Clamp Body *1*06-*PP
Clamp Body, STAUFF Group 1A *1*06A-*PP

One clamp body is consisting of two clamp halves.

- * STAUFF Group **1**
- * Exact outside diameter Ø D1 (mm) **06**
- * Material code (see below) **PP**

Standard Materials



Polypropylene
 Colour: Green
 Material code: **PP**



Polypropylene
 Colour: Black
 Material code: **PP-BK**



Polyamide
 Colour: Black
 Material code: **PA**



Thermoplastic Elastomer (87 Shore-A)
 Colour: Black
 Material code: **SA**



Aluminium
 Colour: Self-Colour
 Material code: **AL** (STAUFF Group 1A to 6)

See pages 154 / 155 for material properties and technical information.

Special Materials

Please contact STAUFF for further details on fire-proof clamp body materials, tested and approved according to several international fire-protection standards (such as BS 6853, EN 45545-2, UL 94 and many more).

See pages 156 / 157 for material properties and technical information.

Product Features

- Proven, tested and trusted product in various markets
- Recommended for the safe installation of rigid pipes and tubes
- Available for all commonly used pipe and tube outside diameters
- Environmental protection due to vibration/noise reducing design
- Excellent weathering resistance, even under extreme conditions

Group	STAUFF	DIN	Outside Diameter		Nominal Bore		Ordering Codes (** = Material)	Dimensions (mm/in)						
			Pipe / Tube Ø D1 (mm)	(in)	Pipe (in)	Copper Tube ASTM B88 (in)		L1	L2	H	S min.	Width		
1	0	6					106-**-**							
		6,4	1/4				106.4-**-**							
		8	5/16				108-**-**	28	9,5	27	0,4	30		
		9,5	3/8		1/4		109.5-**-**	1.10	.37	1.06	.02	1.18		
		10		1/8			110-**-**							
		12					112-**-**							
1A	1	6					106A-**-**							
		6,4	1/4				106.4A-**-**							
		8	5/16				108A-**-**	37	20	27	0,4	30		
		9,5	3/8		1/4		109.5A-**-**	1.46	.79	1.06	.02	1.18		
		10		1/8			110A-**-**							
		12					112A-**-**							
2	2	12,7	1/2		3/8		212.7-**-**							
		13,5		1/4			213.5-**-**							
		14					214-**-**							
		15					215-**-**	42	26	33	0,6	30		
		16	5/8		1/2		216-**-**	1.65	1.02	1.30	.02	1.18		
		17,2		3/8			217.2-**-**							
3	3	18					218-**-**							
		19	3/4				319-**-**							
		20					320-**-**							
		21,3		1/2			321.3-**-**	50	33	36	0,6	30		
		22	7/8		3/4		322-**-**	1.97	1.30	1.42	.02	1.18		
		25					325-**-**							
4	4	25,4	1				325.4-**-**							
		26,9		3/4			426.9-**-**							
		28					428-**-**							
		28,6			1		428.6-**-**	59	40	42	0,6	30		
		30					430-**-**	2.32	1.57	1.65	.02	1.18		
		32					432-**-**							
5	5	32	1-1/4				532-**-**							
		33,7		1			533.7-**-**							
		35			1-1/4		535-**-**	71	52	58	0,8	30		
		38	1-1/2				538-**-**	2.80	2.05	2.28	.03	1.18		
		40					540-**-**							
		41,3		1-1/2			541.3-**-**							
6	6	42		1-1/4			542-**-**							
		44,5	1-3/4				644.5-**-**							
		48,3		1-1/2			648.3-**-**	86	66	66	0,8	30		
		50,8	2				650.8-**-**	3.39	2.60	2.60	.03	1.18		
		54			2		654-**-**							
		57,2	2-1/4				757.2-**-**							
7	7	60,3		2			760.3-**-**							
		63,5	2-1/2				763.5-**-**	121	94	93	0,8	30		
		70	2-3/4				770-**-**	4.76	3.70	3.66	.03	1.18		
		73		2-1/2 (ANSI B 36-10)			773-**-**							
		76,1	3	2-1/2 (DIN EN 10220)			776.1-**-**							
		88,9		3			888.9-**-**	147	120	118	0,8	30		
8	8	102	4	3-1/2			8102L-**-**	5.79	4.72	4.65	.03	1.18		

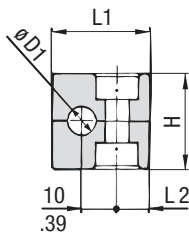
Additional outside diameters are available upon request. Please contact STAUFF for further information.

Dimensional drawings: All dimensions in mm (in).

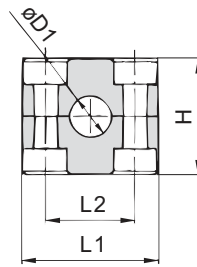


Clamp Body - Type H

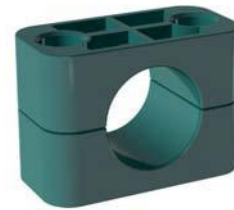
Smooth Inside Surface without Tension Clearance



STAUFF Group 1



STAUFF Group 1A to 8



A

Group	STAUFF DIN	Outside Diameter Hose Ø D1		Ordering Codes (2 Clamp Halves) (** - H = Material)	Dimensions (mm / in)			
		(mm)	(in)		L1	L2	H	Width
1	0	6		106-**-H	28	9,5	26	30
		6,4	1/4	106.4-**-H				
		8	5/16	108-**-H				
		9,5	3/8	109.5-**-H				
		10		110-**-H				
		12		112-**-H				
1A	1	6		106A-**-H	37	20	26	30
		6,4	1/4	106.4A-**-H				
		8	5/16	108A-**-H				
		9,5	3/8	109.5A-**-H				
		10		110A-**-H				
		12		112A-**-H				
2	2	12,7	1/2	212.7-**-H	42	26	32	30
		13,5		213.5-**-H				
		14		214-**-H				
		15		215-**-H				
		16	5/8	216-**-H				
		17,2		217.2-**-H				
3	3	18		218-**-H	50	33	35,5	30
		19	3/4	319-**-H				
		20		320-**-H				
		21,3		321.3-**-H				
		22	7/8	322-**-H				
		25		325-**-H				
4	4	25,4	1	325.4-**-H	59	40	41,5	30
		26,9		426.9-**-H				
		28		428-**-H				
		30		430-**-H				
		32		432-**-H				
		32	1-1/4	532-**-H				
5	5	33,7		533.7-**-H	71	52	56,5	30
		35		535-**-H				
		38	1-1/2	538-**-H				
		40		540-**-H				
		42		542-**-H				
		44,5	1-3/4	644.5-**-H				
6	6	48,3		648.3-**-H	86	66	64,5	30
		50,8	2	650.8-**-H				
		54		654-**-H				
		57,2	2-1/4	757.2-**-H				
7	7	60,3		760.3-**-H	121	94	92	30
		63,5	2-1/2	763.5-**-H				
		70	2-3/4	770-**-H				
		73		773-**-H				
		76,1	3	776.1-**-H				
		88,9		888.9-**-H				
8	8	102	4	8102L-**-H	147	120	116	30
					5.79	4.72	4.57	1.18

Additional outside diameters are available upon request. Please contact STAUFF for further information.

Ordering Codes

Clamp Body *1*06-*PP-H
Clamp Body, STAUFF Group 1A *1*06A-*PP-H

One clamp body is consisting of two clamp halves.

* STAUFF Group **1**
 * Exact outside diameter Ø D1 (mm) **06**
 * Material code (see below) **PP-H**

Standard Materials



Polypropylene
 Colour: Green
 Material code: **PP-H**



Polypropylene
 Colour: Black
 Material code: **PP-H-BK**



Polyamide
 Colour: Black
 Material code: **PA-H**



Thermoplastic Elastomer (87 Shore-A)
 Colour: Black
 Material code: **SA-H**

See pages 154 / 155 for material properties and technical information.

Special Materials

Please contact STAUFF for further details on fire-proof clamp body materials, tested and approved according to several international fire-protection standards (such as BS 6853, EN 45545-2, UL 94 and many more).

See pages 156 / 157 for material properties and technical information.

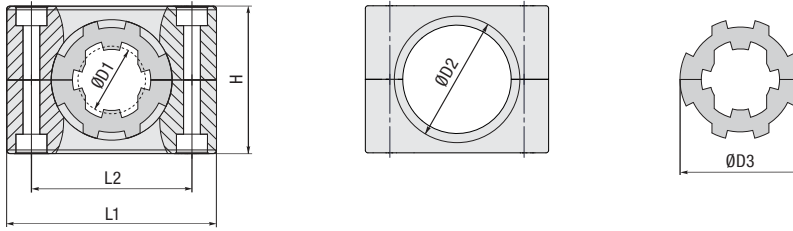
Product Features

- Proven, tested and trusted product in various markets
- Recommended for the safe installation of hoses and cables
- Chamfered edges avoid damaging of the hoses and cables
- Available for all commonly used hose and cable outside diameters
- Excellent weathering resistance, even under extreme conditions



Noise Reduction Clamp
Type NRC

A



Group	STAUFF	DIN	Outside Diameter		Ordering Codes	Clamp Body	NRC Insert	Dimensions						
			Pipe / Tube	Clamp Assembly				(mm)	(in)	(Clamp Body + NRC Insert)	(2 Clamp Halves)	(2 Insert Halves)	ØD2	ØD3
2	2	2	6		206-PP-NRC	2-PP-NRC	RI-NRC-6-2	25	26	42	26	32	30	1.18
			8	5/16	208-PP-NRC		RI-NRC-8-2							
			10		210-PP-NRC		RI-NRC-10-2							
			12		212-PP-NRC		RI-NRC-12-2							
			12,7	1/2	212.7-PP-NRC		RI-NRC-12.7-2							
3	3	3	14		314-PP-NRC	3-PP-NRC	RI-NRC-14-3	28	29	50	33	35,5	30	
			15		315-PP-NRC		RI-NRC-15-3							
			16	5/8	316-PP-NRC		RI-NRC-16-3							
4	4	4	18		418-PP-NRC	4-PP-NRC	RI-NRC-18-4	34	35	59	40	41,5	30	
			20		420-PP-NRC		RI-NRC-20-4							
5	5	5	21,3		521.3-PP-NRC	5-PP-NRC	RI-NRC-21.3-5	49	50	71	52	56,5	30	
			22	7/8	522-PP-NRC		RI-NRC-22-5							
			25		525-PP-NRC		RI-NRC-25-5							
			26,9		526.9-PP-NRC		RI-NRC-26.9-5							
			28		528-PP-NRC		RI-NRC-28-5							
			30		530-PP-NRC		RI-NRC-30-5							
6	6	6	32	1-1/4	532-PP-NRC	6-PP-NRC	RI-NRC-32-5	60	61	86	66	64,5	30	
			33,7		633.7-PP-NRC		RI-NRC-33.7-6							
			35		635-PP-NRC		RI-NRC-35-6							
			38	1-1/2	638-PP-NRC		RI-NRC-38-6							
			40		640-PP-NRC		RI-NRC-40-6							
42		642-PP-NRC	RI-NRC-42-6											

Ordering Codes

Clamp Assembly *2*12-*PP-NRC

One assembly is consisting of one clamp body and one insert.

- * STAUFF Group 2
- * Exact outside diameter Ø D1 (mm) 12
- * Material code (see below) PP-NRC

NRC Clamp Body *2-*PP-NRC

One NRC clamp body is consisting of two clamp halves.

- * STAUFF Group 2
- * Material code (see below) PP-NRC

NRC Elastomer Insert *RI-NRC-*12-*2

One NRC elastomer insert is consisting of two insert halves.

- * NRC Elastomer Insert RI-NRC
- * Exact outside diameter ØD1 (mm) 12
- * STAUFF Group 2

Standard Materials

Polypropylene
Colour: Black
Material code: **PP-NRC**

Elastomer Insert
Thermoplastic Elastomer (73 Shore-A)
Colour: Black

See pages 154 / 155 for material properties and technical information.

Alternative materials are available upon request.
Please contact STAUFF for further information.

Special Materials

Please contact STAUFF for further details on fire-proof clamp body materials, tested and approved according to several international fire-protection standards (such as BS 6853, EN 45545-2, UL 94 and many more).

See pages 156 / 157 for material properties and technical information.

Additional outside diameters are available upon request. Please contact STAUFF for further information.

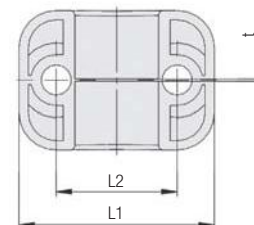
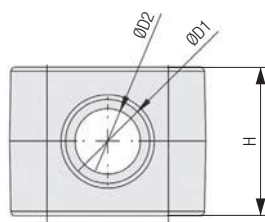
Product Features

- Designed for the noise and vibration reducing installation of pipes and tubes
- Suitable for the most common outside diameters from 6 to 42 mm and from ¼ to 1 ½ inch respectively
- Working principle based on a specially shaped, two-part elastomer insert, which mechanically absorbs vibration in the pipe or tube and as a result reduces noises arising to a minimum
- Elastomer insert is in particular distinguished by how little of its surface is in contact with the pipe or tube as well as with the clamp body
- Light tension of the elastomer insert in mounted condition provides the necessary clamping force
- Tongue-groove contour of the elastomer insert and the clamp body (which is reversed and thus diverges from standard DIN 3015 clamps with elastomer insert) enables the system to be used for the maximum range of outside diameters per clamp size, which contributes to flexibility, versatility and optimisation of the required installation space



Clamp Body for Conduit Hoses Type CHC

A



Ordering Codes

Clamp Body *2*12-*PA-CHC

One clamp body is consisting of two clamp halves.

- * STAUFF Group **2**
- * Nominal Size of the Conduit Hose **12**
- * Material code (see below) **PA-CHC**

Standard Materials



Polyamide
Colour: Black
Material code: **PA-CHC**

See pages 154 / 155 for material properties and technical information.

Group	STAUFF	DIN	Nominal Size Conduit Hose	Ordering Codes (2 Clamp Halves)	Dimensions (mm/in)						
					ØD1	ØD2	t	L1	L2	H	Width
2	2	10	12	210-PA-CHC	13	11	0,5	42	26	32	30
				212-PA-CHC	.51	.43	.02	1.65	1.02	1.26	1.18
3	3	17	12	317-PA-CHC	16	13,5	0,5	50	33	35,5	30
					.63	.53	.02	1.97	1.30	1.40	1.18
4	4	23	17	317-PA-CHC	21,5	18	0,7	59	40	41,5	30
				423-PA-CHC	.85	.71	.03	2.32	1.57	1.63	1.18
5	5	29	23	423-PA-CHC	29	24,5	0,7	71	52	56,5	30
					1.14	.96	.03	2.80	2.05	2.22	1.18
5	5	36	29	529-PA-CHC	35	30,5	1,0	86	66	64,5	30
				536-PA-CHC	1.38	1.20	.04	3.39	2.60	2.54	1.18
6	6	48	36	536-PA-CHC	43	38,5	1,0	121	94	92	30
				648-PA-CHC	1.69	1.52	.04	4.76	3.70	3.62	1.18
6	6	48	48	648-PA-CHC	55	49,5	1,0	147	120	116	30
					2.17	1.95	.51	5.79	4.72	4.57	1.18

Additional outside diameters are available upon request. Please contact STAUFF for further information.

Special Materials

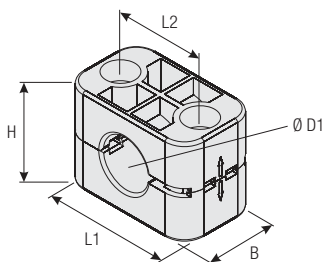
Please contact STAUFF for further details on fire-proof clamp body materials, tested and approved according to several international fire-protection standards (such as BS 6853, EN 45545-2, UL 94 and many more).

See pages 156 / 157 for material properties and technical information.

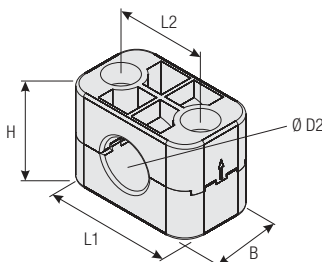
Product Features

- Design of the inside surface of the clamp body prevents corrugated conduit hoses from sliding
- Chamfered edges avoid damaging of the conduit hoses
- Available for all commonly used nominal sizes
- Excellent weathering resistance, even under extreme conditions





For Use with Regular Hose


 For Use with Compact Hose
(Upper Clamp Half rotated by 180°)

 Clamp Body - Compact Design
Type CC


A

Group	STAUFF DIN	Outside Diameter Regular Hose		Outside Diameter Compact Hose		Ordering Codes (2 Clamp Halves) (*-*-* = Material)	Dimensions (mm/in)						
		Ø D1 (mm)	(in)	Ø D2 (mm)	(in)		L1	L2	H		B		
3	3	19	.75	17,4	.69	319-**-*-CC-BK							
		22,2	.87	20,6	.81	322.2-**-*-CC-BK	50 1.97	33 1.30	35,5 1.40	34 1.34	30 1.18		
		25,4	1.00	23,7	.93	325.4-**-*-CC-BK							

Additional outside diameters are available upon request. Please contact STAUFF for further information.

Product Features

- Only one clamp body required for two different hose diameters (compact hose + regular hose)
- Rotate upper clamp half by 180° and use clamp body to fasten compact hoses instead of regular hoses
- Available for three different combinations of outside hose diameters
- Outer dimensions according to DIN 3015, Part 1
- Effective cost reduction due to lower inventories

Special Materials

Please contact STAUFF for further details on fire-proof clamp body materials, tested and approved according to several international fire-protection standards (such as BS 6853, EN 45545-2, UL 94 and many more).

See pages 156 / 157 for material properties and technical information.

Ordering Codes

 Clamp Body ***3*19-PP-H-CC-BK**

One clamp body is consisting of two clamp halves.

- * STAUFF Group **3**
- * Outside diameter Ø D1 (mm) of regular hose **19**
- * Material code (see below) **PP-H-CC-BK**

Standard Materials



Polypropylene

Colour: Black

 Material code: **PP-H-CC-BK**

See pages 154 / 155 for material properties and technical information.

Ordering Codes

One clamp body is consisting of two clamp halves.

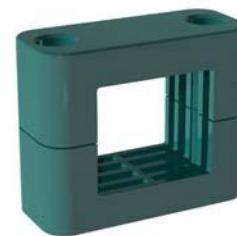
Clamp Body 540-40-PP-VK
Rectangular design with a square of
40 mm x 40 mm / 1.57 in x 1.57 in

Clamp Body 540-36-PP-VK
Rectangular design with a square of
40 mm x 36 mm / 1.57 in x 1.42 in

Please replace PP by PA to order a clamp body made of Polyamide instead of Polypropylene.

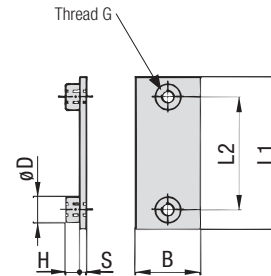
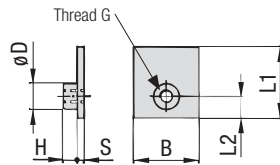
Product Features

- Outer dimensions of clamp body according to Standard Series, STAUFF Group 5
- For proximity switches according to DIN EN 60947-5-2 or similar, rectangular construction, with a square of 40 mm x 40 mm / 1.57 in x 1.57 in or 40 mm x 36 mm / 1.57 in x 1.42 in
- For proximity switches according to DIN EN 60947-5-2 or similar, round construction, please use Standard Series clamp body, STAUFF Group 4, with the diameter required (e.g. 430-PP)
- Use with Hexagon Rail Nut SM and Mounting Rail TS to provide axial and horizontal position adjustment by loosening the bolts

 Clamp Body - Rectangular Design
Type VK


Single Weld Plate Type SP

A



STAUFF Group 1

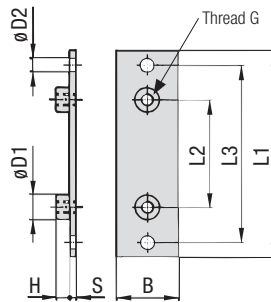
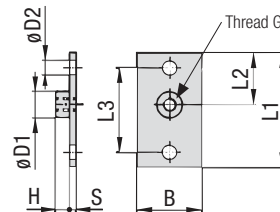
STAUFF Group 1A to 8

Ordering Codes	
Weld Plate	*SP-*1-*M-*W2
* Single Weld Plate	SP
* STAUFF Group	1
* Thread code	Metric ISO thread M Unified coarse (UNC) thread U
* Material code	Carbon Steel, uncoated W1 Carbon Steel, phosphated W2 Carbon Steel, zinc/nickel-plated W3 Stainless Steel V2A W4 1.4301 / 1.4305 (AISI 304 / 303) Stainless Steel V4A W5 1.4401 / 1.4571 (AISI 316 / 316 Ti) Aluminium EN AW-6060 W85 (Dimension S: 5 mm / .20 in)

Group	STAUFF	DIN	Dimensions (mm/in)						Ordering Codes (Standard Options)	
			Thread G	L1	L2	B	S	H	ØD	
1	0		M6	31,5	10	30	3	6,5	12	SP-1-M-W2
			1/4-20 UNC	1.24	0.39	1.18	.12	.26	.47	SP-1-U-W2
1A	1		M6	36	20	30	3	6,5	12	SP-1A-M-W2
			1/4-20 UNC	1.42	0.79	1.18	.12	.26	.47	SP-1A-U-W2
2	2		M6	42	26	30	3	6,5	12	SP-2-M-W2
			1/4-20 UNC	1.65	1.02	1.18	.12	.26	.47	SP-2-U-W2
3	3		M6	50	33	30	3	6,5	12	SP-3-M-W2
			1/4-20 UNC	1.97	1.30	1.18	.12	.26	.47	SP-3-U-W2
4	4		M6	60	40	30	3	6,5	12	SP-4-M-W2
			1/4-20 UNC	2.36	1.57	1.18	.12	.26	.47	SP-4-U-W2
5	5		M6	71	52	30	3	6,5	12	SP-5-M-W2
			1/4-20 UNC	2.80	2.05	1.18	.12	.26	.47	SP-5-U-W2
6	6		M6	88	66	30	3	6,5	12	SP-6-M-W2
			1/4-20 UNC	3.46	2.60	1.18	.12	.26	.47	SP-6-U-W2
7	7		M6	122	94	30	5	6,5	12	SP-7-M-W2
			1/4-20 UNC	4.80	3.70	1.18	.20	.26	.47	SP-7-U-W2
8	8		M6	148	120	30	5	6,5	12	SP-8-M-W2
			1/4-20 UNC	5.83	4.72	1.18	.20	.26	.47	SP-8-U-W2

All threaded parts are available with Metric ISO thread or unified coarse (UNC) thread according to dimension table. Alternative materials and surface finishings are available upon request. Contact STAUFF for further information.

Elongated Weld Plate Type SPV



STAUFF Group 1

STAUFF Group 1A to 8

Ordering Codes	
Weld Plate	*SPV-*1-*M-*W2
* Elongated Weld Plate	SPV
* STAUFF Group	1
* Thread code	Metric ISO thread M Unified coarse (UNC) thread U
* Material code	Carbon Steel, uncoated W1 Carbon Steel, phosphated W2 Carbon Steel, zinc/nickel-plated W3 Stainless Steel V2A W4 1.4301 / 1.4305 (AISI 304 / 303) Stainless Steel V4A W5 1.4401 / 1.4571 (AISI 316 / 316 Ti)

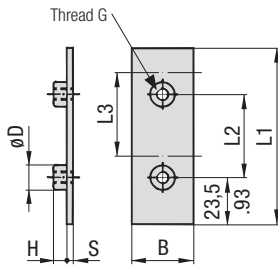
Group	STAUFF	DIN	Dimensions (mm/in)						Ordering Codes (Standard Options)			
			Thread G	L1	L2	L3	B	S	H	ØD1	ØD2	
1	0		M6	58	24,5	44	30	3	6,5	12	6,5	SPV-1-M-W2
			1/4-20 UNC	2.28	.96	1.73	1.18	.12	.26	.47	.26	SPV-1-U-W2
1A	1		M6	64	20	50	30	3	6,5	12	6,5	SPV-1A-M-W2
			1/4-20 UNC	2.52	.79	1.97	1.18	.12	.26	.47	.26	SPV-1A-U-W2
2	2		M6	70	26	56	30	3	6,5	12	6,5	SPV-2-M-W2
			1/4-20 UNC	2.76	1.02	2.20	1.18	.12	.26	.47	.26	SPV-2-U-W2
3	3		M6	78	33	64	30	3	6,5	12	6,5	SPV-3-M-W2
			1/4-20 UNC	3.07	1.30	2.52	1.18	.12	.26	.47	.26	SPV-3-U-W2
4	4		M6	87	40	73	30	3	6,5	12	6,5	SPV-4-M-W2
			1/4-20 UNC	3.43	1.57	2.87	1.18	.12	.26	.47	.26	SPV-4-U-W2
5	5		M6	100	52	86	30	3	6,5	12	6,5	SPV-5-M-W2
			1/4-20 UNC	3.94	2.05	3.39	1.18	.12	.26	.47	.26	SPV-5-U-W2
6	6		M6	115	66	100	30	3	6,5	12	6,5	SPV-6-M-W2
			1/4-20 UNC	4.53	2.60	3.94	1.18	.12	.26	.47	.26	SPV-6-U-W2
7	7		M6	150	94	136	30	5	6,5	12	6,5	SPV-7-M-W2
			1/4-20 UNC	5.91	3.70	5.35	1.18	.20	.26	.47	.26	SPV-7-U-W2
8	8		M6	178	120	162	30	5	6,5	12	6,5	SPV-8-M-W2
			1/4-20 UNC	7.01	4.72	6.38	1.18	.20	.26	.47	.26	SPV-8-U-W2

All threaded parts are available with Metric ISO thread or unified coarse (UNC) thread according to dimension table. Alternative materials and surface finishings are available upon request. Contact STAUFF for further information.

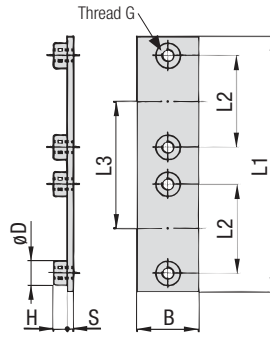


**Twin Weld Plate
for 2 Clamp Bodies
Type DSP**

A



STAUFF Group 1



STAUFF Group 1A to 8



Group	DIN	Dimensions (mm/in)	Ordering Codes (Standard Options)							
STAUFF		Thread G	L1	L2	L3	B	S	H	ØD	
1	0	M6	87	40	40	30	3	6.5	12	DSP-1-40-M-W2
		1/4-20 UNC	3.43	1.57	1.57	1.18	.12	.26	.47	DSP-1-40-U-W2
1A	1	M6	77	20	37	30	3	6.5	12	DSP-1A-37-M-W2
		1/4-20 UNC	3.03	.79	1.46	1.18	.12	.26	.47	DSP-1A-37-U-W2
2	2	M6	86	26	44	30	3	6.5	12	DSP-2-44-M-W2
		1/4-20 UNC	3.39	1.02	1.73	1.18	.12	.26	.47	DSP-2-44-U-W2
3	3	M6	102	33	52	30	3	6.5	12	DSP-3-52-M-W2
		1/4-20 UNC	4.02	1.30	2.05	1.18	.12	.26	.47	DSP-3-52-U-W2
4	4	M6	120	40	60	30	3	6.5	12	DSP-4-60-M-W2
		1/4-20 UNC	4.72	1.57	2.36	1.18	.12	.26	.47	DSP-4-60-U-W2
5	5	M6	145	52	75	30	3	6.5	12	DSP-5-75-M-W2
		1/4-20 UNC	5.71	2.05	2.95	1.18	.12	.26	.47	DSP-5-75-U-W2
6	6	M6	178	66	90	30	3	6.5	12	DSP-6-90-M-W2
		1/4-20 UNC	7.01	2.60	3.54	1.18	.12	.26	.47	DSP-6-90-U-W2

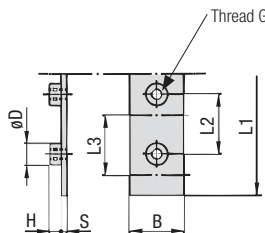
All threaded parts are available with Metric ISO thread or unified coarse (UNC) thread according to dimension table. Alternative materials and surface finishings are available upon request. Contact STAUFF for further information.

Ordering Codes

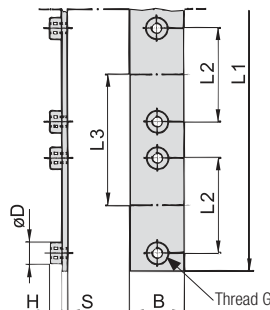
Weld Plate *DSP-*1-*40-*M-*W2

- * Twin Weld Plate for 2 Clamp Bodies **DSP**
- * STAUFF Group **1**
- * Pipe center spacing L3 (mm) **40**
- * Thread code Metric ISO thread **M**
Unified coarse (UNC) thread **U**
- * Material code Carbon Steel, uncoated **W1**
Carbon Steel, phosphated **W2**
Carbon Steel, zinc/nickel-plated **W3**
Stainless Steel V2A **W4**
1.4301 / 1.4305 (AISI 304 / 303)
Stainless Steel V4A **W5**
1.4401 / 1.4571 (AISI 316 / 316 Ti)

**Group Weld Plate
for 5 or 10 Clamp Bodies
Type RAP**



STAUFF Group 1



STAUFF Group 1A to 8



Group	DIN	Dimensions (mm/in)	Ordering Codes (Standard Options)							
STAUFF		Thread G	L1	L2	L3	B	S	H	ØD	
1	0	M6	314	31	31	30	4	6.5	12	RAP-1-31-10-M-W1
		1/4-20 UNC	12.36	1.22	1.22	1.18	.16	.26	.47	RAP-1-31-10-U-W1
1A	1	M6	373	20	37	30	4	6.5	12	RAP-1A-37-10-M-W1
		1/4-20 UNC	14.69	.79	1.46	1.18	.16	.26	.47	RAP-1A-37-10-U-W1
2	2	M6	442	26	44	30	4	6.5	12	RAP-2-44-10-M-W1
		1/4-20 UNC	17.40	1.02	1.73	1.18	.16	.26	.47	RAP-2-44-10-U-W1
3	3	M6	521	33	52	30	4	6.5	12	RAP-3-52-10-M-W1
		1/4-20 UNC	20.51	1.30	2.05	1.18	.16	.26	.47	RAP-3-52-10-U-W1
4	4	M6	300	40	60	30	4	6.5	12	RAP-4-60-5-M-W1
		1/4-20 UNC	11.81	1.57	2.36	1.18	.16	.26	.47	RAP-4-60-5-U-W1
5	5	M6	378	52	75	30	4	6.5	12	RAP-5-75-5-M-W1
		1/4-20 UNC	14.88	2.05	2.95	1.18	.16	.26	.47	RAP-5-75-5-U-W1
6	6	M6	450	66	90	30	4	6.5	12	RAP-6-90-5-M-W1
		1/4-20 UNC	17.72	2.60	3.54	1.18	.16	.26	.47	RAP-6-90-5-U-W1

All threaded parts are available with Metric ISO thread or unified coarse (UNC) thread according to dimension table. Alternative materials and surface finishings are available upon request. Contact STAUFF for further information.

Ordering Codes

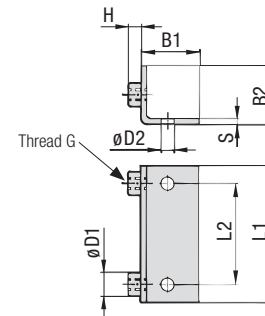
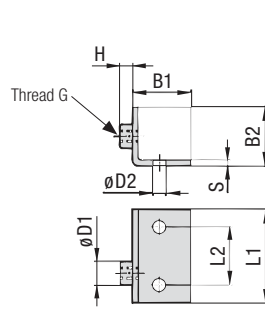
Weld Plate *RAP-*1-*31-*10-*M-*W1

- * Group Weld Plate for 5 or 10 Clamp Bodies **RAP**
- * STAUFF Group **1**
- * Pipe center spacing L3 (mm) **31**
- * Number of clamps **10**
- * Thread code Metric ISO thread **M**
Unified coarse (UNC) thread **U**
- * Material code Carbon Steel, uncoated **W1**
Carbon Steel, phosphated **W2**
Carbon Steel, zinc/nickel-plated **W3**
Stainless Steel V2A **W4**
1.4301 / 1.4305 (AISI 304 / 303)
Stainless Steel V4A **W5**
1.4401 / 1.4571 (AISI 316 / 316 Ti)



Angled Weld Plate Type WSP

A



STAUFF Group 1

STAUFF Group 1A to 6

Ordering Codes

Weld Plate

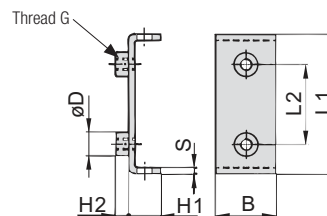
***WSP-*1-*M-*W1**

- * Angled Weld Plate **WSP**
- * STAUFF Group **1**
- * Thread code **M**
Metric ISO thread
U Unified coarse (UNC) thread
- * Material code **W1**
Carbon Steel, uncoated
W3 Carbon Steel, zinc/nickel-plated
W4 Stainless Steel V2A
1.4301 / 1.4305 (AISI 304 / 303)
W5 Stainless Steel V4A
1.4401 / 1.4571 (AISI 316 / 316 Ti)

Group STAUFF	DIN	Dimensions (mm/in)									Ordering Codes (Standard Options)
		Thread G	L1	L2	B1	B2	S	H	ØD1	ØD2	
1	0	M6	30	14	30	30	3	6,5	12	6,5	WSP-1-M-W1
		1/4-20 UNC	1.18	.55	1.18	1.18	.12	.26	.47	.26	WSP-1-U-W1
1A	1	M6	36	20	30	30	3	6,5	12	6,5	WSP-1A-M-W1
		1/4-20 UNC	1.26	.79	1.18	1.18	.12	.26	.47	.26	WSP-1A-U-W1
2	2	M6	42	26	30	30	3	6,5	12	6,5	WSP-2-M-W1
		1/4-20 UNC	1.65	1.02	1.18	1.18	.12	.26	.47	.26	WSP-2-U-W1
3	3	M6	50	33	30	30	3	6,5	12	6,5	WSP-3-M-W1
		1/4-20 UNC	1.97	1.30	1.18	1.18	.12	.26	.47	.26	WSP-3-U-W1
4	4	M6	60	40	30	30	3	6,5	12	6,5	WSP-4-M-W1
		1/4-20 UNC	2.36	1.57	1.18	1.18	.12	.26	.47	.26	WSP-4-U-W1
5	5	M6	70	52	30	30	3	6,5	12	6,5	WSP-5-M-W1
		1/4-20 UNC	2.76	2.05	1.18	1.18	.12	.26	.47	.26	WSP-5-U-W1
6	6	M6	88	66	30	30	3	6,5	12	6,5	WSP-6-M-W1
		1/4-20 UNC	3.46	2.60	1.18	1.18	.12	.26	.47	.26	WSP-6-U-W1

All threaded parts are available with Metric ISO thread or unified coarse (UNC) thread according to dimension table. Alternative materials and surface finishings are available upon request. Contact STAUFF for further information.

Bridge Weld Plate Type BSP



Ordering Codes

Weld Plate

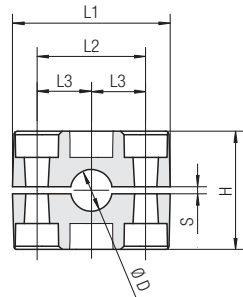
***BSP-*1A-*M-*W1**

- * Bridge Weld Plate **BSP**
- * STAUFF Group **1A**
- * Thread code **M**
Metric ISO thread
U Unified coarse (UNC) thread
- * Material code **W1**
Carbon Steel, uncoated
W2 Carbon Steel, phosphated
W3 Carbon Steel, zinc/nickel-plated
W4 Stainless Steel V2A
1.4301 / 1.4305 (AISI 304 / 303)
W5 Stainless Steel V4A
1.4401 / 1.4571 (AISI 316 / 316 Ti)

Group STAUFF	DIN	Dimensions (mm/in)									Ordering Codes (Standard Options)
		Thread G	L1	L2	B	S	H1	H2	ØD		
1A	1	M6	48	20	30	3	13	6,5	12	12	BSP-1A-M-W1
		1/4-20 UNC	1.89	.79	1.18	.12	.52	.26	.47	.47	BSP-1A-U-W1
2	2	M6	54	26	30	3	13	6,5	12	12	BSP-2-M-W1
		1/4-20 UNC	2.13	1.02	1.18	.12	.52	.26	.47	.47	BSP-2-U-W1
3	3	M6	62	33	30	3	13	6,5	12	12	BSP-3-M-W1
		1/4-20 UNC	2.44	1.30	1.18	.12	.52	.26	.47	.47	BSP-3-U-W1
4	4	M6	71	40	30	3	13	6,5	12	12	BSP-4-M-W1
		1/4-20 UNC	2.80	1.57	1.18	.12	.52	.26	.47	.47	BSP-4-U-W1
5	5	M6	85	52	30	3	13	6,5	12	12	BSP-5-M-W1
		1/4-20 UNC	3.35	2.05	1.18	.12	.52	.26	.47	.47	BSP-5-U-W1
6	6	M6	98	66	30	3	13	6,5	12	12	BSP-6-M-W1
		1/4-20 UNC	3.86	2.60	1.18	.12	.52	.26	.47	.47	BSP-6-U-W1

All threaded parts are available with Metric ISO thread or unified coarse (UNC) thread according to dimension table. Alternative materials and surface finishings are available upon request. Contact STAUFF for further information.



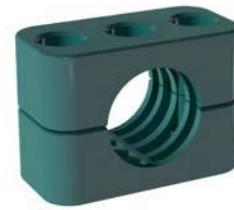


STAUFF Group 5

Group	Outside Diameter Pipe / Tube Ø D		Nominal Bore Pipe (in)	Copper Tube ASTM B88 (in)	Ordering Codes (2 Clamp Halves) (** = Material)	Dimensions (mm / in)										
	(mm)	(in)				L1	L2	L3	H	S min.	Width					
5	5	20			520-**-MGR											
		21,3		1/2	521.3-**-MGR											
		22			3/4	522-**-MGR										
		23				523-**-MGR										
		25				525-**-MGR										
		26,9		3/4		526.9-**-MGR										
		28				528-**-MGR	71	52	26	58	0,8	30				
		30				530-**-MGR	2.80	2.05	1.02	2.28	.03	1.18				
		32	1-1/4			532-**-MGR										
		33,7		1		533.7-**-MGR										
		35			1-1/4	535-**-MGR										
		38	1-1/2			538-**-MGR										
		40				540-**-MGR										
		42		1-1/4		542-**-MGR										

Additional outside diameters are available upon request. Please contact STAUFF for further information.

Clamp Body for Multi-Group Weld Plate Type MGR



A

Ordering Codes

Clamp Body *5*20-*PP-MGR

One clamp body is consisting of two clamp halves.

- * STAUFF Group **5**
- * Exact outside diameter Ø D1 (mm) **20**
- * Material code (see below) **PP-MGR**

Standard Materials

Polypropylene
Colour: Green
Material code: **PP-MGR**

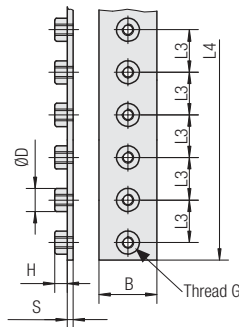
Polyamide
Colour: Black
Material code: **PA-MGR**

See pages 154 / 155 for properties and technical information.

Multi-Group Weld Plates (type RAP-MGR) are designed to be used in combination with Standard Series clamp bodies, STAUFF Group 2 (regular types, see pages 14 ff.) covering a diameter range from 8 mm / .31 in to 18 mm / .71 in, as well as Standard Series clamp bodies, STAUFF Group 5 (type MGR, see above) covering a diameter range from 20 mm / .79 in to 42 mm / 1.65 in. Thus, all Standard Series metal parts (bolts, cover plates) of these groups can be used.



Multi-Group Weld Plate RAP-MGR-25-312-M-W1



Multi-Group Weld Plate for Clamp Body Sizes 2 and 5 (Type MGR) Type RAP-MGR



Number of Weld Nuts	Dimensions (mm / in)							Ordering Codes (Standard Options)
	Thread G	L3	L4	B	S	H	ØD	
6	M6	26	156	30	4	6,5	12	RAP-MGR-25-156-M-W1
	1/4-20 UNC	1.02	6.14	1.18	.16	.26	.47	RAP-MGR-25-156-U-W1
9	M6	26	234	30	4	6,5	12	RAP-MGR-25-234-M-W1
	1/4-20 UNC	1.02	9.21	1.18	.16	.26	.47	RAP-MGR-25-234-U-W1
12	M6	26	312	30	4	6,5	12	RAP-MGR-25-312-M-W1
	1/4-20 UNC	1.02	12.28	1.18	.16	.26	.47	RAP-MGR-25-312-U-W1
15	M6	26	390	30	4	6,5	12	RAP-MGR-25-390-M-W1
	1/4-20 UNC	1.02	15.35	1.18	.16	.26	.47	RAP-MGR-25-390-U-W1
20	M6	26	520	30	4	6,5	12	RAP-MGR-25-520-M-W1
	1/4-20 UNC	1.02	20.47	1.18	.16	.26	.47	RAP-MGR-25-520-U-W1
27	M6	26	700	30	4	6,5	12	RAP-MGR-25-700-M-W1
	1/4-20 UNC	1.02	27.55	1.18	.16	.26	.47	RAP-MGR-25-700-U-W1

Cover a diameter range from 8 mm (.31 in) to 42 mm (1.65 in) with only one Group Weld Plate!

All threaded parts are available with Metric ISO thread or unified coarse (UNC) thread according to dimension table. Alternative materials and surface finishings are available upon request. Contact STAUFF for further information.

Ordering Codes

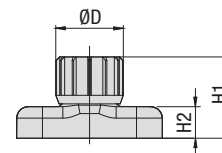
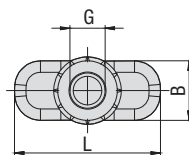
Weld Plate *RAP-MGR-*25-*156-*M-*W1

- * Multi Group Weld Plate **RAP-MGR**
- * Suitable for STAUFF Group 2 and 5 **25**
- * Length L4 (mm) **156** (with 6 weld nuts) **156**
234 (with 9 weld nuts) **234**
312 (with 12 weld nuts) **312**
390 (with 15 weld nuts) **390**
520 (with 20 weld nuts) **520**
700 (with 27 weld nuts) **700**
- * Thread code Metric ISO thread **M**
Unified coarse (UNC) thread **U**
- * Material code Carbon Steel, uncoated **W1**
Stainless Steel V4A **W5**
1.4401 / 1.4571 (AISI 316 / 316 Ti)



Hexagon Rail Nut
(for Use with Mounting Rail TS)
Type SM / SMG

A



Ordering Codes

Hexagon Rail Nut *SM-*1-8/1D-*M-*W3

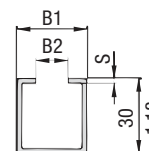
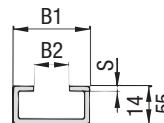
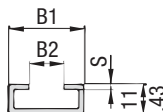
- * Hexagon Rail Nut
 - Carbon Steel **SM**
 - Stainless Steel **SMG**
- * STAUFF Group 1 to 8 (DIN Group 0 to 8) **1-8/1D**
- * Thread code
 - Metric ISO thread **M**
 - Unified coarse (UNC) thread **U**
- * Material code
 - Carbon Steel, zinc/nickel-plated **W3**
 - Stainless Steel V2A **W4**
 - 1.4301 / 1.4305 (AISI 304 / 303)
 - Stainless Steel V4A **W5**
 - 1.4401 / 1.4571 (AISI 316 / 316 Ti)

Group STAUFF	DIN	Dimensions (mm/in)						ØD	Ordering Codes (Standard Options)
		Thread G	L	B	H1	H2			
1	0								
1A	1								
2	2								
3	3								
4	4	M6 1/4-20 UNC	25,5 1.00	10,4 .41	14,2 .56	5,5 .22	12 .47	SM-1-8/1D-M-W3 SM-1-8/1D-U-W3	
5	5								
6	6								
7	7								
8	8								

Hexagon Rail Nuts, type SM-1-8/1D are also suitable for Twin Series, STAUFF Group 1D.

All threaded parts are available with Metric ISO thread or unified coarse (UNC) thread according to dimension table. Alternative materials and surface finishings are available upon request. Contact STAUFF for further information.

Mounting Rail
(for Use with Hexagon Rail Nut SM / SMG)
Type TS



Mounting Rail TS-11

Mounting Rail TS-14

Mounting Rail TS-30

Ordering Codes

Mounting Rail *TS-*11-*1M-*W1

- * Mounting Rail **TS**
- * Height of rail
 - 11 mm / .43 in **11**
 - 14 mm / .55 in **14**
 - 30 mm / 1.18 in **30**
- * Length of rail
 - 1 m / 3.28 ft **1M**
 - 2 m / 6.56 ft **2M**

Alternative lengths available upon request. Contact STAUFF for further information.
- * Material code
 - Carbon Steel, uncoated **W1**
 - Carbon Steel, hot-dip galvanised **W98**
 - Stainless Steel V2A **W4**
 - 1.4301 / 1.4305 (AISI 304 / 303)
 - Stainless Steel V4A **W5**
 - 1.4401 / 1.4571 (AISI 316 / 316 Ti)

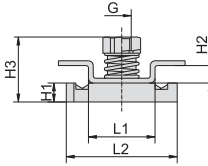
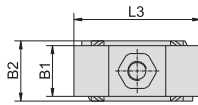
Group STAUFF	DIN	Dimensions (mm/in)			Ordering Codes (Standard Options)	
		B1	B2	S	Length of Rail: 1 m / 3.28 ft	Length of Rail: 2 m / 6.56 ft
1	0					
1A	1				Height 11 mm / .43 in TS-11-1M-W1	Height 11 mm / .43 in TS-11-2M-W1
2	2					
3	3					
4	4	28 1.10	11 .43	2 .08	Height 14 mm / .55 in TS-14-1M-W1	Height 14 mm / .55 in TS-14-2M-W1
5	5					
6	6					
7	7				Height 30 mm / 1.18 in TS-30-1M-W1	Height 30 mm / 1.18 in TS-30-2M-W1
8	8					

Mounting Rails, type TS-11/14/30 are suitable for all Standard Series and Twin Series group sizes. Alternative materials and surface finishings are available upon request. Contact STAUFF for further information.



Channel Rail Adaptor
(for Use with Various Channel Rails)
Type CRA

A



Group STAUFF	DIN	Dimensions (mm/in)									Ordering Codes (Standard Options)
		Thread G	L1	L2	L3	B1	B2	H1	H2	H3	
1	0										
1A	1										
2	2										
3	3										
4	4	M6 1/4-20 UNC	21 .83	35 1.38	40 1.57	16 .63	19 .75	6 .24	5,5 .22	20,5 .81	CRA-1-8/1D-M-W3 CRA-1-8/1D-U-W3
5	5										
6	6										
7	7										
8	8										

Ordering Codes

Adaptor ***CRA-1-8/1D-*M-*W3**

- * Channel Rail Adaptor **CRA**
- * STAUFF Group 1 to 8 (DIN Group 0 to 8) **1-8/1D**
- * Thread code Metric ISO thread **M**
- Unified coarse (UNC) thread **U**
- * Material code Carbon Steel, zinc/nickel-plated **W3**
- Stainless Steel V4A **W5**
- 1.4401 / 1.4571 (AISI 316 / 316 Ti)

The Channel Rail Adaptor, type CRA 1-8/1D is also suitable for Twin Series, STAUFF Group 1D.

All threaded parts are available with Metric ISO thread or unified coarse (UNC) thread according to dimension table. Alternative materials and surface finishings are available upon request. Contact STAUFF for further information.

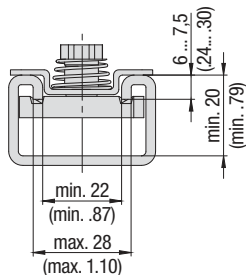


Compatibility with Channel Rails

The STAUFF Channel Rail Adaptor, type CRA, is suitable for various channel rails, including the following types:

HALFEN	HILTI	UNISTRUT®	STAUFF (Cushion Clamp Series)
HM 41/41	MQ-21, MQ-41, MQ-52, MQ-72	P1000, P1000T, P1000V, P1000VT, P1001	SCS-048-1-PL, SCS-048-1-GR
HZA 41/22	MQ-21U, MQ-41U, MQ-72U	P2000, P2000T	SCS-120-1-PL, SCS-120-1-GR
HZM 41/41	MQ-21D, MQ-41D, MQ-52-72D	P3003, P3003T, P3300V, P3300VT, P3301	See page 149 for technical information.
HZM 41/22		P4000, P4000T	
HL 41/41, HL 41/B2		P5000, P5000T, P5001, P5500, P5500T, P5501	

Contact STAUFF to check compatibility with additional types of channel rails.



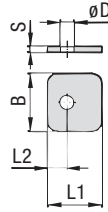
Basic dimensional requirements for channel rails to be used with STAUFF Channel Rail Adaptors, type CRA

Dimensional drawings: All dimensions in mm (in).

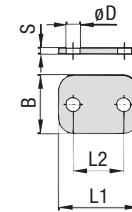


Cover Plate
Type DP

A



STAUFF Group 1



STAUFF Group 1A to 8

Ordering Codes

Cover Plate

***DP-*1-*W3**

* Cover Plate	DP
* STAUFF Group	1
* Material code	W3
Carbon Steel, zinc/nickel-plated	
Stainless Steel V2A	W4
1.4301 / 1.4305 (AISI 304 / 303)	
Stainless Steel V4A	W5
1.4401 / 1.4571 (AISI 316 / 316 Ti)	
Aluminium EN AW-6060	W85

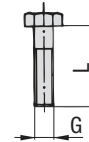
Group	STAUFF	DIN	Dimensions (mm/in)				Ordering Codes (Standard Options)	
			L1	L2	B	S	ØD	
1	0		28	9,5	30	3	7	DP-1-W3
			1.10	.37	1.18	.12	.28	
1A	1		34	20	30	3	7	DP-1A-W3
			1.34	.79	1.18	.12	.28	
2	2		40,5	26	30	3	7	DP-2-W3
			1.59	1.02	1.18	.12	.28	
3	3		48	33	30	3	7	DP-3-W3
			1.89	1.30	1.18	.12	.28	
4	4		57	40	30	3	7	DP-4-W3
			2.24	1.57	1.18	.12	.28	
5	5		70	52	30	3	7	DP-5-W3
			2.76	2.05	1.18	.12	.28	
6	6		86	66	30	3	7	DP-6-W3
			3.39	2.60	1.18	.12	.28	
7	7		118	94	30	5	7	DP-7-W3
			4.65	3.70	1.18	.20	.28	
8	8		144	120	30	5	7	DP-8-W3
			5.67	4.72	1.18	.20	.28	

Alternative materials and surface finishings are available upon request. Contact STAUFF for further information.

Hexagon Head Bolt

(for Use with Cover Plate DP)

Type AS



Hexagon Head Bolt AS (according to DIN 931 / 933 or ANSI / ASME B18.2.1.)
Dimensions applicable only when used with Cover Plate DP

Ordering Codes

Hexagon Head Bolt

***AS-*M6x30-*W3**

* Type of bolt	Hexagon Head Bolt (according to DIN 931 / 933 or ANSI / ASME B18.2.1.)	AS
* Thread type and size acc. to dimension table	M6x30	
* Material code	W3	
Carbon Steel, zinc/nickel-plated		
Stainless Steel V2A	W4	
1.4301 / 1.4305 (AISI 304 / 303)		
Stainless Steel V4A	W5	
1.4401 / 1.4571 (AISI 316 / 316 Ti)		

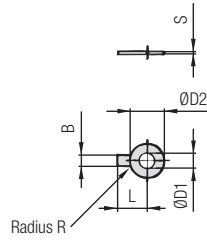
Group	STAUFF	DIN	Dimensions (mm/in)	Ordering Codes (Standard Options)
			Thread G x L	
1	0		M6 x 30	AS-M6x30-W3
			1/4-20 UNC x 1-1/4	AS-1/4-20UNCx1-1/4-W3
1A	1		M6 x 30	AS-M6x30-W3
			1/4-20 UNC x 1-1/4	AS-1/4-20UNCx1-1/4-W3
2	2		M6 x 35	AS-M6x35-W3
			1/4-20 UNC x 1-3/8	AS-1/4-20UNCx1-3/8-W3
3	3		M6 x 40	AS-M6x40-W3
			1/4-20 UNC x 1-1/2	AS-1/4-20UNCx1-1/2-W3
4	4		M6 x 45	AS-M6x45-W3
			1/4-20 UNC x 1-7/8	AS-1/4-20UNCx1-7/8-W3
5	5		M6 x 60	AS-M6x60-W3
			1/4-20 UNC x 2-3/8	AS-1/4-20UNCx2-3/8-W3
6	6		M6 x 70	AS-M6x70-W3
			1/4-20 UNC x 2-3/4	AS-1/4-20UNCx2-3/4-W3
7	7		M6 x 100	AS-M6x100-W3
			1/4-20 UNC x 4	AS-1/4-20UNCx4-W3
8	8		M6 x 125	AS-M6x125-W3
			1/4-20 UNC x 4-7/8	AS-1/4-20UNCx4-7/8-W3

All threaded parts are available with Metric ISO thread or unified coarse (UNC) thread according to dimension table. Alternative materials and surface finishings are available upon request. Contact STAUFF for further information.



Safety Washer
(for Use with Hexagon Head Bolt AS)
Type SI (DIN 93)

A



Safety Washer SI
(Bend longer tab down towards the side of the clamp body
and one side up towards one of the flats of the hexagon head bolt)

Group STAUFF	DIN	Dimensions (mm/in)						Ordering Codes (Standard Options)
		ØD1	B	ØD2	L	R	S	
1 to 8	0 to 8	6,4	7	19	18	4	0,5	SI-6.4-DIN93-W3
		.25	.28	.75	.71	.16	.02	

Safety Washers, type SI are used as locking devices to prevent Hexagon Head Bolts, type AS from loosening.
Safety Washers, type SI are suitable for all Standard Series group sizes.

Alternative materials and surface finishings are available upon request. Contact STAUFF for further information.

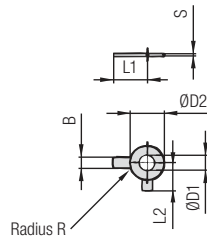
Ordering Codes

Safety Washer *SI-*6.4-*DIN93-*W3

* Type of washer Safety washer with 1 tab (according to DIN 93) **SI-6.4-DIN93**

* Material code Carbon Steel, zinc/nickel-plated **W3**
Stainless Steel V4A **W5**
1.4401 / 1.4571 (AISI 316 / 316 Ti)

Safety Washer
(for Use with Hexagon Head Bolt AS)
Type SI (DIN 463)



Safety Washer SI
(Bend longer tab down towards the side of the clamp body
and shorter tab up towards one of the flats of the hexagon head bolt)

Group STAUFF	DIN	Dimensions (mm/in)						Ordering Codes (Standard Options)	
		ØD1	B	ØD2	L1	L2	R		S
1 to 8	0 to 8	6,4	7	12	18	9	4	0,5	SI-6.4-DIN463-W3
		.25	.28	.47	.71	.35	.16	.02	

Safety Washers, type SI are used as locking devices to prevent Hexagon Head Bolts, type AS from loosening.
Safety Washers, type SI are suitable for all Standard Series group sizes.

Alternative materials and surface finishings are available upon request. Contact STAUFF for further information.

Ordering Codes

Safety Washer *SI-*6.4-*DIN463-*W3

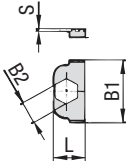
* Type of washer Safety washer with 2 tabs (according to DIN 463) **SI-6.4-DIN463**

* Material code Carbon Steel, zinc/nickel-plated **W3**
Stainless Steel V4A **W5**
1.4401 / 1.4571 (AISI 316 / 316 Ti)

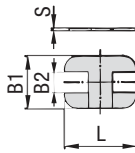


Safety Locking Plate
(for Use with Stacking Bolt AF)
Type SIG

A



STAUFF Group 1



STAUFF Group 1A to 8



Group STAUFF	DIN	Dimensions (mm/in)				Ordering Codes (Standard Options)
		L	B1	B2	S	
1	0	16	32	11,2	1	SIG-1-W3
		.63	1.26	.44	.04	
1A	1	33	28	11,2	1	SIG-1A-W3
		1.30	1.10	.44	.04	
2	2	39	28	11,2	1	SIG-2-W3
		1.54	1.10	.44	.04	
3	3	47	28	11,2	1	SIG-3-W3
		1.85	1.10	.44	.04	
4	4	56	28	11,2	1	SIG-4-W3
		2.20	1.10	.44	.04	
5	5	69	28	11,2	1	SIG-5-W3
		2.72	1.10	.44	.04	
6	6	85	28	11,2	1	SIG-6-W3
		3.35	1.10	.44	.04	
7	7	117	28	11,2	1	SIG-7-W3
		4.61	1.10	.44	.04	
8	8	143	28	11,2	1	SIG-8-W3
		5.63	1.10	.44	.04	

Alternative materials and surface finishings are available upon request. Contact STAUFF for further information.

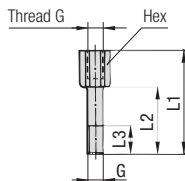
Ordering Codes

Safety Locking Plate *SIG-*1-*W3

* Safety Locking Plate		SIG
* STAUFF Group		1
* Material code	Carbon Steel, zinc/nickel-plated	W3
	Stainless Steel V2A	W4
	1.4301 / 1.4305 (AISI 304 / 303)	
	Stainless Steel V4A	W5
	1.4401 / 1.4571 (AISI 316 / 316 Ti)	

Stacking Bolt

(for Use with Safety Locking Plate SIG)
Type AF



Group STAUFF	DIN	Dimensions (mm/in)					Ordering Codes (Standard Options)
		Thread G	L1	L2	L3 min.	Hex	
1	0	M6	34	20	12	11	AF-1-M-W3
		1/4-20 UNC	1.34	.79	.47	.43	AF-1-U-W3
1A	1	M6	34	20	12	11	AF-1A-M-W3
		1/4-20 UNC	1.34	.79	.47	.43	AF-1A-U-W3
2	2	M6	40	25	12	11	AF-2-M-W3
		1/4-20 UNC	1.57	.98	.47	.43	AF-2-U-W3
3	3	M6	44	30	12	11	AF-3-M-W3
		1/4-20 UNC	1.73	1.18	.47	.43	AF-3-U-W3
4	4	M6	49	35	12	11	AF-4-M-W3
		1/4-20 UNC	1.93	1.38	.47	.43	AF-4-U-W3
5	5	M6	64	50	12	11	AF-5-M-W3
		1/4-20 UNC	2.52	1.97	.47	.43	AF-5-U-W3
6	6	M6	74	60	12	11	AF-6-M-W3
		1/4-20 UNC	2.91	2.36	.47	.43	AF-6-U-W3
7	7	M6	99	85	12	11	AF-7-M-W3
		1/4-20 UNC	3.90	3.35	.47	.43	AF-7-U-W3
8	8	M6	124	110	12	11	AF-8-M-W3
		1/4-20 UNC	4.88	4.33	.47	.43	AF-8-U-W3

Ordering Codes

Stacking Bolt *AF-*1-*M-*W3

* Type of bolt	Stacking Bolt (according to STAUFF Standard)	AF
* STAUFF Group		1
* Thread code	Metric ISO thread	M
	Unified coarse (UNC) thread	U
* Material code	Carbon Steel, zinc/nickel-plated	W3
	Stainless Steel V2A	W4
	1.4301 / 1.4305 (AISI 304 / 303)	
	Stainless Steel V4A	W5
	1.4401 / 1.4571 (AISI 316 / 316 Ti)	

All threaded parts are available with Metric ISO thread or unified coarse (UNC) thread according to dimension table. Alternative materials and surface finishings are available upon request. Contact STAUFF for further information.



A



① Type of Installation

Please select the type of installation (e.g. Weld Plates, Rail Nuts etc.) and add the corresponding Code to position ① of the order code for your clamp assembly.

Without Installation Equipment
Code: **none**

Installation on Weld Plate

Single Weld Plate
Code: **SP**

Elongated Weld Plate
Code: **SPV**

Twin Weld Plate (for STAUFF Group 1 to 6 only)
Code: **DSP**

Group Weld Plate (for STAUFF Group 1 to 6 only)
Code: **RAP**

Angled Weld Plate (for STAUFF Group 1 to 6 only)
Code: **WSP**

Bridge Weld Plate (for STAUFF Group 1A to 6 only)
Code: **BSP**

Installation on Mounting / Channel Rail

Hexagon Rail Nut
Code: **SM** (Carbon Steel)
Code: **SMG** (Stainless Steel)

Channel Rail Adaptor
Code: **CRA**

② Group Size & Diameter

Please select the required group size and diameter and add the corresponding Code to position ② of the order code for your clamp assembly.

Group STAUFF (DIN)	Outside Diameter P / T / H (mm)	Availability of Clamp Body Materials & Designs			Code
		Profilled Design	Type H	Type RI	
1 (0)	6	●	●	○	106
	6,4	●	●	○	106.4
	8	●	●	○	108
	9,5	●	●	○	109.5
	10	●	●	○	110
1A (1)	12	●	●	○	112
	6	●	●	○	106A
	6,4	●	●	○	106.4A
	8	●	●	○	108A
	9,5	●	●	○	109.5A
2 (2)	10	●	●	○	110A
	12	●	●	○	112A
	12,7	●	●	○	212.7
	13,5	●	●	○	213.5
	14	●	●	○	214
	15	●	●	○	215
	16	●	●	○	216
3 (3)	17,2	●	●	○	217.2
	18	●	●	○	218
	19	●	●	○	319
	20	●	●	○	320
	21,3	●	●	○	321.3
4 (4)	22	●	●	○	322
	25	●	●	○	325
	25,4	●	●	○	325.4
	6	○	○	●	406
	8	○	○	●	408
	10	○	○	●	410
	12	○	○	●	412
	12,7	○	○	●	412.7
	14	○	○	●	414
	15	○	○	●	415
	16	○	○	●	416
	17,2	○	○	●	417.2
	18	○	○	●	418
	19	○	○	●	419
	26,9	●	●	○	426.9
	28	●	●	○	428
28,6	●	○	○	428.6	
30	●	●	○	430	
32	●	●	○	432	

Group STAUFF (DIN)	Outside Diameter P / T / H (mm)	Availability of Clamp Body Materials & Designs			Code
		Profilled Design	Type H	Type RI	
5 (5)	32	●	●	○	532
	33,7	●	●	○	533.7
	35	●	●	○	535
	38	●	●	○	538
	40	●	●	○	540
	41,3	●	○	○	541.3
	42	●	●	○	542
6 (6)	20	○	○	●	620
	21,3	○	○	●	621.3
	22	○	○	●	622
	25	○	○	●	625
	26,9	○	○	●	626.9
	28	○	○	●	628
	30	○	○	●	630
	32	○	○	●	632
	44,5	●	●	○	644.5
	48,3	●	●	○	648.3
7 (7)	50,8	●	●	○	650.8
	54	●	●	○	654
	57,2	●	●	○	757.2
	60,3	●	●	○	760.3
	63,5	●	●	○	763.5
	70	●	●	○	770
	73	●	●	○	773
8 (8)	76,1	●	●	○	776.1
	88,9	●	●	○	888.9
	102	●	●	○	8102L

● Standard Option



Please see pages 32 and 33 with detailed order examples for some of the most popular Standard Series clamp assemblies.

③ Clamp Body Design & Material

Please select the design and material of your clamp body and add the corresponding **Code** to position ③ of the order code for your clamp assembly.

Please check the availability of the selected clamp body design and material according to the matrix table in ②.

Profiled Design



Polypropylene
Code: **PP**



Polypropylene (Colour: Black)
Code: **PP-BK**



Polyamide
Code: **PA**



Thermoplastic Elastomer (87 Shore-A)
Code: **SA**



Aluminium
Code: **AL** (for STAUFF Group 1A to 6 only)

Type H (Smooth)



Polypropylene
Code: **PP-H**



Polypropylene (Colour: Black)
Code: **PP-H-BK**



Polyamide
Code: **PA-H**



Thermoplastic Elastomer (87 Shore-A)
Code: **SA-H**

Type RI (with Elastomer Insert)



Polypropylene
Code: **PP-R** (for STAUFF Group 4 and 6 only)



Polyamide
Code: **PA-R** (for STAUFF Group 4 and 6 only)

See pages 154 / 155 for material properties and technical information.

Please contact STAUFF for further details on fire-proof clamp body materials, tested and approved according to several international fire-protection standards.

④ Mounting & Fitting Combination

Please select the mounting and fitting combination (e.g. bolts, screws, cover plates etc.) and add the corresponding **Code** to position ④ of the order code for your clamp assembly.

Installation with Cover Plate and Bolts

Cover Plate DP with
Hexagon Head Bolts AS
Code: **DP-AS**

Cover Plate DP with
Socket Cap Screws IS*
Code: **DP-IS**

Installation with Locking Plate and Bolts

Safety Locking Plate SIG with
Stacking Bolts AF
Code: **SIG-AF**

Installation with Inserts and Bolts

Inserts EP (Plastic) with
Hexagon Head Bolts AS
Code: **EP-AS**

Inserts ES (Steel) with
Hexagon Head Bolts AS
Code: **ES-AS**

Installation with Bolts only

Socket Cap Screws IS (Washers US included)
Code: **IS**

Slotted Head Screws LI (Washers US included)
Code: **LI** (for STAUFF Group 1 to 6 only)

* Special lengths of Socket Cap Screws IS required. For exact lengths, please see details of Hexagon Head Bolt, type AS (for use with Cover Plates DP) on page 26.

⑤ Thread Type

Please select the required thread type and add the corresponding **Code** to position ⑤ of the order code for your clamp assembly.

Metric ISO thread
Code: **M**

Unified coarse (UNC) thread
Code: **U**

All threaded parts are available with Metric ISO thread or unified coarse (UNC) thread according to dimension table.

⑥ Material & Surface Finishing

Please select the required material & surface finishing of the metal parts and add the corresponding **Code** to position ⑥ of the order code for your clamp assembly.

Metal parts made of Carbon Steel, zinc/nickel-plated **W3**

Metal parts made of Stainless Steel V2A
1.4301 / 1.4305 (AISI 304 / 303) **W4**

Metal parts made of Stainless Steel V4A
1.4401 / 1.4571 (AISI 316 / 316 Ti) **W5**

Weld Plate made of Carbon Steel, phosphated; Other metal parts made of Carbon Steel, zinc/nickel-plated **W10**

Individual combinations of alternative materials and surface finishings are available upon request. Contact STAUFF for further information.

⑦ Assembling & Kitting

If required, please select an additional assembling and kitting option and add the corresponding **Code** to the last position of the order code for your clamp assembly.

Components supplied separately

Code: **none** (standard option)

Components assembled

Code: **A** (special option)

Components packed in kits

Code: **K** (special option)



A

- 2x **Hexagon Head Bolt**
Surface: W3
Thread: Metric
- 1x **Cover Plate**
Surface: W3
- 1x **Clamp Body** (two halves)
STAUFF Group 2 (DIN 2)
O.D. 12,7 mm / .50 in
Material: Polypropylene
Profiled inside surface
with tension clearance
- 1x **Single Weld Plate**
Surface: W2
Thread: Metric

Order Code
SP-212.7-PP-DP-AS-M-W10

W10 is the standard option for this type of installation.

- 2x **Socket Cap Screw**
with Washer
Surface: W3
Thread: Metric
- 1x **Clamp Body** (two halves)
STAUFF Group 2 (DIN 2)
O.D. 12,7 mm / .50 in
Material: Polypropylene
Profiled inside surface
with tension clearance
- 1x **Single Weld Plate**
Surface: W2
Thread: Metric

Order Code
SP-212.7-PP-IS-M-W10

W10 is the standard option for this type of installation.

- 2x **Slotted Head Screw**
with Washer
Surface: W3
Thread: Metric
- 1x **Clamp Body** (two halves)
STAUFF Group 2 (DIN 2)
O.D. 12,7 mm / .50 in
Material: Polypropylene
Profiled inside surface
with tension clearance
- 1x **Single Weld Plate**
Surface: W2
Thread: Metric

Order Code
SP-212.7-PP-LI-M-W10

W10 is the standard option for this type of installation.
Available up to STAUFF Group 6 (DIN Group 6) only.

- 2x **Hexagon Head Bolt**
Surface: W3
Thread: Metric
- 1x **Cover Plate**
Surface: W3
- 1x **Clamp Body** (two halves)
STAUFF Group 2 (DIN 2)
O.D. 12,7 mm / .50 in
Material: Polypropylene
Profiled inside surface
with tension clearance
- 1x **Elongated Weld Plate**
Surface: W2
Thread: Metric

Order Code
SPV-212.7-PP-DP-AS-M-W10

W10 is the standard option for this type of installation.

- 2x **Socket Cap Screw**
with Washer
Surface: W3
Thread: Metric
- 1x **Clamp Body** (two halves)
STAUFF Group 2 (DIN 2)
O.D. 12,7 mm / .50 in
Material: Polypropylene
Profiled inside surface
with tension clearance
- 1x **Elongated Weld Plate**
Surface: W2
Thread: Metric

Order Code
SPV-212.7-PP-IS-M-W10

W10 is the standard option for this type of installation.

- 2x **Slotted Head Screw**
with Washer
Surface: W3
Thread: Metric
- 1x **Clamp Body** (two halves)
STAUFF Group 2 (DIN 2)
O.D. 12,7 mm / .50 in
Material: Polypropylene
Profiled inside surface
with tension clearance
- 1x **Elongated Weld Plate**
Surface: W2
Thread: Metric

Order Code
SPV-212.7-PP-LI-M-W10

W10 is the standard option for this type of installation.
Available up to STAUFF Group 6 (DIN Group 6) only.

- 2x **Hexagon Head Bolt**
Surface: W3
Thread: Metric
- 1x **Cover Plate**
Surface: W3
- 1x **Clamp Body** (two halves)
STAUFF Group 2 (DIN 2)
O.D. 12,7 mm / .50 in
Material: Polypropylene
Profiled inside surface
with tension clearance
- 2x **Hexagon Rail Nut**
Surface: W3
Thread: Metric

Order Code (Mounting Rail TS not included.)
SM-212.7-PP-DP-AS-M-W3

W3 is the standard option for this type of installation.

- 2x **Socket Cap Screw**
with Washer
Surface: W3
Thread: Metric
- 1x **Clamp Body** (two halves)
STAUFF Group 2 (DIN 2)
O.D. 12,7 mm / .50 in
Material: Polypropylene
Profiled inside surface
with tension clearance
- 2x **Hexagon Rail Nut**
Surface: W3
Thread: Metric

Order Code (Mounting Rail TS not included.)
SM-212.7-PP-IS-M-W3

W3 is the standard option for this type of installation.

- 2x **Slotted Head Screw**
with Washer
Surface: W3
Thread: Metric
- 1x **Clamp Body** (two halves)
STAUFF Group 2 (DIN 2)
O.D. 12,7 mm / .50 in
Material: Polypropylene
Profiled inside surface
with tension clearance
- 2x **Hexagon Rail Nut**
Surface: W3
Thread: Metric

Order Code (Mounting Rail TS not included.)
SM-212.7-PP-LI-M-W3

W3 is the standard option for this type of installation.
Available up to STAUFF Group 6 (DIN Group 6) only.





2x **Hexagon Head Bolt**
Surface: W3
Thread: Metric

1x **Cover Plate**
Surface: W3

1x **Clamp Body** (two halves)
STAUFF Group 2 (DIN 2)
O.D. 12,7 mm / .50 in
Material: Polypropylene
Profiled inside surface
with tension clearance

Order Code
212.7-PP-DP-AS-M-W3

W3 is the standard option for this type of installation.



2x **Socket Cap Screw**
with Washer
Surface: W3
Thread: Metric

1x **Clamp Body** (two halves)
STAUFF Group 2 (DIN 2)
O.D. 12,7 mm / .50 in
Material: Polypropylene
Profiled inside surface
with tension clearance

Order Code
212.7-PP-IS-M-W3

W3 is the standard option for this type of installation.



2x **Slotted Head Screw**
with Washer
Surface: W3
Thread: Metric

1x **Clamp Body** (two halves)
STAUFF Group 2 (DIN 2)
Tube-O.D. 12,7 mm / .50 in
Material: Polypropylene
Profiled inside surface
with tension clearance

Order Code
212.7-PP-LI-M-W3

W3 is the standard option for this type of installation.



2x **Stacking Bolt**
Surface: W3
Thread: Metric

1x **Safety Locking Plate**
Surface: W3

1x **Clamp Body** (two halves)
STAUFF Group 2 (DIN 2)
O.D. 12,7 mm / .50 in
Material: Polypropylene
Profiled inside surface
with tension clearance

Order Code
212.7-PP-SIG-AF-M-W3

W3 is the standard option for this type of installation.



1x **Socket Cap Screw**
with Washer
Surface: W3
Thread: Metric

1x **Clamp Body** (two halves)
STAUFF Group 1 (DIN 0)
O.D. 6 mm / .24 in
Material: Polypropylene
Profiled inside surface
with tension clearance
Thread: Metric

1x **Single Weld Plate**
Surface: W2
Thread: Metric

Order Code*
SP-106-PP-IS-M-W10

W10 is the standard option for this type of installation.

Thread codes

All threaded parts are available with Metric ISO thread or unified coarse (UNC) thread according to dimension table.

Metric ISO thread	M
Unified coarse (UNC) thread	U

Material codes

The below listed material codes describe the materials and surface finishings of metal parts that are most relevant for Standard Series clamp assemblies. Individual combinations of alternative materials and surface finishings are available upon request. Contact STAUFF for further information.

Metal parts made of Carbon Steel, zinc/nickel-plated	W3
Metal parts made of Stainless Steel V2A 1.4301 / 1.4305 (AISI 304 / 303)	W4
Metal parts made of Stainless Steel V4A 1.4401 / 1.4571 (AISI 316 / 316 Ti)	W5
Weld Plate made of Carbon Steel, phosphated; Other metal parts made of Carbon Steel, zinc/nickel-plated	W10

Technical Notes

* Because of their design, STAUFF Group 1 (DIN Group 0) clamp assemblies only include one single bolt / screw.



2x **Hexagon Head Bolt**
Surface: W3
Thread: Metric

2x **Insert**
Material: Plastic

1x **Clamp Body** (two halves)
STAUFF Group 2 (DIN 2)
O.D. 12,7 mm / .50 in
Material: Polypropylene
Profiled inside surface
with tension clearance

1x **Single Weld Plate**
Surface: W2
Thread: Metric

Order Code
SP-212.7-PP-EP-AS-M-W10

W10 is the standard option for this type of installation.



2x **Hexagon Head Bolt**
Surface: W3
Thread: Metric

2x **Insert**
Material: Plastic

1x **Clamp Body** (two halves)
STAUFF Group 2 (DIN 2)
O.D. 12,7 mm / .50 in
Material: Polypropylene
Profiled inside surface
with tension clearance



















1x **Elongated Weld Plate**
Surface: W2
Thread: Metric

Order Code
SPV-212.7-PP-EP-AS-M-W10

W10 is the standard option for this type of installation.



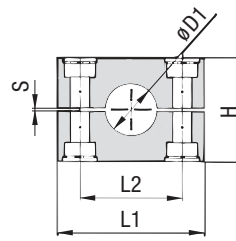


	Clamp Body Profiled Inside Surface with Tension Clearance	36		Weld Plate for Single Clamps SPAL	40
	Clamp Body Smooth Inside Surface without Tension Clearance	38		Weld Plate for Double Clamps SPAS	40
	Clamp Body with Elastomer Insert	39		Elongated Weld Plate for Single Clamps SPAL-DUEB	41
				Elongated Weld Plate for Double Clamps SPAS-DUEB	41
				Mounting Rail Nut GMV	42
				Mounting Rail STSV	42
				Channel Rail Adaptor CRA	43
				Cover Plate for Single Clamps DPAL	44
				Cover Plate for Double Clamps DPAL	44
				Hexagon Head Bolt AS	45
				Socket Cap Screw IS	45
				Safety Washer (DIN 93) SI	46
				Safety Washer (DIN 463) SI	46
				Safety Locking Plate SIP	47
				Stacking Bolt AF	47
				Clamp Assemblies	48



Clamp Body - Profiled Design
Profiled Inside Surface with Tension Clearance

B



Ordering Codes

Clamp Body ***3*006-*PP**

One clamp body is consisting of two clamp halves.

* 1st part of STAUFF Group **3**
 * Exact outside diameter Ø D1 (mm) **006**
 * Material code (see below) **PP**

Standard Materials



Polypropylene
 Colour: Green
 Material code: **PP**



Polypropylene
 Colour: Black
 Material code: **PP-BK**



Polyamide
 Colour: Black
 Material code: **PA**



Thermoplastic Elastomer (87 Shore-A)
 Colour: Black
 Material code: **SA**



Aluminium
 Colour: Self-Colour
 Material code: **AL**

See pages 154 / 155 for material properties and technical information.

Special Materials

Please contact STAUFF for further details on fire-proof clamp body materials, tested and approved according to several international fire-protection standards (such as BS 6853, EN 45545-2, UL 94 and many more).

See pages 156 / 157 for material properties and technical information.

Product Features

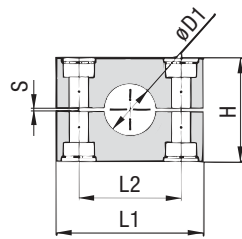
- Proven, tested and trusted product in various markets
- Recommended for the safe installation of rigid pipes and tubes
- Available for all commonly used pipe and tube outside diameters
- Environmental protection due to vibration/noise reducing design
- Excellent weathering resistance, even under extreme conditions

Group	STAUFF	DIN	Outside Diameter		Nominal Bore		Ordering Codes (2 Clamp Halves) (** = Material)	Dimensions (mm/in)							
			Pipe / Tube Ø D1 (mm)	(in)	Pipe (in)	Copper Tube ASTM B88 (in)		L1 PP/PA/SA	L1 AL	L2	H	S min.	Width		
3S	1	6					3006-**-**								
		6,4	1/4				3006.4-**-**								
		8	5/16				3008-**-**								
		9,5	3/8		1/4		3009.5-**-**								
		10		1/8			3010-**-**								
		12					3012-**-**								
		12,7	1/2		3/8		3012.7-**-**	55	56	33	32	0,6	30,5		
		13,5		1/4			3013.5-**-**	2.16	2.20	1.30	1.26	.02	1.20		
		14					3014-**-**								
		15					3015-**-**								
		16	5/8		1/2		3016-**-**								
		17,2		3/8			3017.2-**-**								
		18					3018-**-**								
20					3020-**-**										
4S	2	19	3/4				4019-**-**								
		20					4020-**-**								
		21,3		1/2			4021.3-**-**								
		22	7/8		3/4		4022-**-**	70	70	45	48	0,6	30,5		
		25					4025-**-**	2.76	2.76	1.77	1.89	.02	1.20		
		25,4	1				4025.4-**-**								
		26,9		3/4			4026.9-**-**								
		28					4028-**-**								
		30					4030-**-**								
		30					5030-**-**								
5S	3	32	1-1/4				5032-**-**								
		33,7		1			5033.7-**-**								
		35			1-1/4		5035-**-**	85	85	60	60	0,6	30,5		
		38	1-1/2				5038-**-**	3.35	3.35	2.36	2.36	.02	1.20		
		40					5040-**-**								
		41,3		1-1/2			5041.3-**-**								
		42		1-1/4			5042-**-**								
		38	1-1/2				6038-**-**								
		42		1-1/4			6042-**-**								
		44,5	1-3/4				6044.5-**-**								
6S	4	48,3		1-1/2			6048.3-**-**								
		50,8	2				6050.8-**-**								
		54			2		6054-**-**	115	120	90	89	2	45		
		55					6055-**-**	4.53	4.72	3.54	3.50	.08	1.77		
		57					6057-**-**								
		57,2	2-1/4				6057.2-**-**								
		60,3		2			6060.3-**-**								
		63,5	2-1/2				6063.5-**-**								
		65					6065-**-**								
		70	2-3/4				6070-**-**								

See page 37 for STAUFF Group 7S to 12S (DIN Group 5 to 10).

Additional outside diameters are available upon request. Please contact STAUFF for further information.



Clamp Body - Profiled Design
Profiled Inside Surface with Tension Clearance

B

Group	DIN	Outside Diameter		Nominal Bore	Ordering Codes (2 Clamp Halves) (** = Material)	Dimensions (mm/in)					
		Pipe / Tube Ø D1 (mm)	(in)			Pipe (in)	L1 PP/PA	L1 AL	L2	H	S min.
7S	5	60,3			7060.3-**-**	154 6.06	152 5.98	122 4.80	120 4.72	2 .08	60 2.36
		65			7065-**-**						
		70	2-3/4		7070-**-**						
		73		2-1/2 (ANSI B 36-10)	7073-**-**						
		75			7075-**-**						
		76,1	3	2-1/2 (DIN EN 10220)	7076.1-**-**						
		80			7080-**-**						
		82,5			7082.5-**-**						
8S	6	88,9	3-1/2	3	7088.9-**-**	206 8.11	208 8.19	168 6.61	168 6.61	2 .08	80 3.15
		88,9	3-1/2	3	8088.9-**-**						
		100			8100-**-**						
		102	4	3-1/2	8102-**-**						
		108			8108-**-**						
		114	4-1/2	4	8114-**-**						
		127	5		8127-**-**						
133			8133-**-**								
9S	7	127	5		9127-**-**	251 9.88	255 10.04	205 8.07	200 7.87	3 .12	91 3.58
		133			9133-**-**						
		140		5	9140-**-**						
		152	6		9152-**-**						
		159			9159-**-**						
		165			9165-**-**						
10S	8	168		6	9168-**-**	336 13.22	326 12.83	265 10.43	270 10.63	3 .12	120 4.72
		168		6	10168-**-**						
		177,8			10177.8-**-**						
		193,7			10193.7-**-**						
		203	8		10203-**-**						
		216			10216-**-**						
11S	9	219		8	10219-**-**	470 18.50	470 18.50	395 15.55	410 16.14	8 .31	162 6.38
		273		10	11273-**-**						
		324		12	11324-**-**						
12S	10	356		14	12356-**-**	630 4.80	630 4.80	534 21.02	530 20.87	20 .79	182 7.16
		406		16	12406-**-**						

Ordering Codes
Clamp Body
***7*060.3-*PP**

One clamp body is consisting of two clamp halves.

- * 1st part of STAUFF Group 7
- * Exact outside diameter Ø D1 (mm) 060.3
- * Material code (see below) PP

Standard Materials

- Polypropylene**
Colour: Green
Material code: **PP**
- Polypropylene**
Colour: Black
Material code: **PP-BK**
- Polyamide**
Colour: Black
Material code: **PA**
- Aluminium**
Colour: Self-Colour
Material code: **AL**

See pages 154 / 155 for material properties and technical information.

Special Materials

Please contact STAUFF for further details on fire-proof clamp body materials, tested and approved according to several international fire-protection standards (such as BS 6853, EN 45545-2, UL 94 and many more).

See page 36 for STAUFF Group 3S to 6S (DIN Group 1 to 4).

Additional outside diameters are available upon request. Please contact STAUFF for further information.

See pages 156 / 157 for material properties and technical information.

Product Features

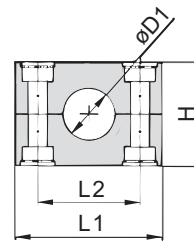
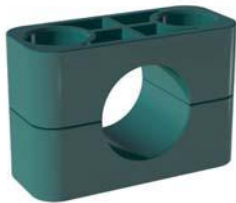
- Proven, tested and trusted product in various markets
- Recommended for the safe installation of rigid pipes and tubes
- Available for all commonly used pipe and tube outside diameters
- Environmental protection due to vibration/noise reducing design
- Excellent weathering resistance, even under extreme conditions



Clamp Body - Type H

Smooth Inside Surface without Tension Clearance

B



Ordering Codes

Clamp Body ***3*006-*PP-H**

One clamp body is consisting of two clamp halves.

* 1st part of STAUFF Group **3**
 * Exact outside diameter $\varnothing D1$ (mm) **006**
 * Material code (see below) **PP-H**

Standard Materials

Polypropylene
 Colour: Green
 Material code: **PP-H**

Polypropylene
 Colour: Green
 Material code: **PP-H-BK**

Polyamide
 Colour: Black
 Material code: **PA-H**

Thermoplastic Elastomer (87 Shore-A)
 Colour: Black
 Material code: **SA-H**

See pages 154 / 155 for material properties and technical information.

Special Materials

Please contact STAUFF for further details on fire-proof clamp body materials, tested and approved according to several international fire-protection standards (such as BS 6853, EN 45545-2, UL 94 and many more).

See pages 156 / 157 for material properties and technical information.

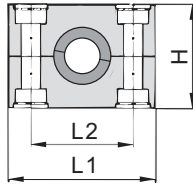
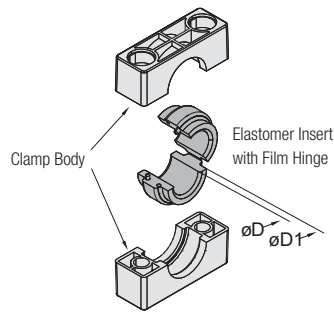
Product Features

- Proven, tested and trusted product in various markets
- Recommended for the safe installation of hoses and cables
- Chamfered edges avoid damaging of the hose or cable
- Available for all commonly used hose and cable outside diameters
- Excellent weathering resistance, even under extreme conditions

Group	STAUFF	DIN	Outside Diameter		Ordering Codes (2 Clamp Halves) (*-*H = Material)	Dimensions (mm / in)				
			Hose $\varnothing D1$ (mm)	(in)		L1	L2	H	Width	
3S	1	6			3006-**-H	55	33	30,5	30,5	
		6,4	1/4	3006.4-**-H						
		8	5/16	3008-**-H						
		9,5	3/8	3009.5-**-H						
		10		3010-**-H						
		12		3012-**-H						
		12,7	1/2	3012.7-**-H						
		13,5		3013.5-**-H						
		14		3014-**-H						
		15		3015-**-H						
		16	5/8	3016-**-H						
		17,2		3017.2-**-H						
18		3018-**-H	70	45	46,5	30,5				
19	3/4	4019-**-H								
20		4020-**-H								
21,3		4021.3-**-H								
22	7/8	4022-**-H								
25		4025-**-H								
25,4	1	4025.4-**-H								
26,9		4026.9-**-H								
28		4028-**-H								
30		4030-**-H								
30		5030-**-H					85	60	58	30,5
32	1-1/4	5032-**-H								
33,7		5033.7-**-H								
35		5035-**-H								
38	1-1/2	5038-**-H								
40		5040-**-H								
41,3		5041.3-**-H								
42		5042-**-H								
38	1-1/2	6038-**-H	115	90	87	45				
42		6042-**-H								
44,5	1-3/4	6044.5-**-H								
48,3		6048.3-**-H								
50,8	2	6050.8-**-H								
55		6055-**-H								
57		6057-**-H								
57,2	2-1/4	6057.2-**-H								
60,3		6060.3-**-H								
63,5	2-1/2	6063.5-**-H								
65		6065-**-H								
70	2-3/4	6070-**-H					4.53	3.54	3.43	1.77

Additional outside diameters are available upon request. Please contact STAUFF for further information.



**Clamp Body with Elastomer Insert
Type RI**

B

Group	STAUFF	DIN	Outside Diameter Pipe / Tube / Hose Ø D		Ordering Codes (**R = Clamp Clamp Assembly Clamp Body + Insert	Body Material Clamp Body Insert *	Dimensions (mm/in)				
			(mm)	(in)			(2 Clamp Halves)	Ø D1	L1	L2	H
4S	2		6		4006-**-R	RI-06-4/4S	25	70	45	46,5	30,5
			8	5/16	4008-**-R	RI-08-4/4S					
			10		4010-**-R	RI-10-4/4S					
			12		4012-**-R	RI-12-4/4S					
			12,7	1/2	4012.7-**-R	RI-12.7-4/4S					
			14		4014-**-R	RI-14-4/4S					
			15		4015-**-R	RI-15-4/4S					
			16	5/8	4016-**-R	RI-16-4/4S					
			17,2		4017.2-**-R	RI-17.2-4/4S					
			18		4018-**-R	RI-18-4/4S					
19	3/4	4019-**-R	RI-19-4/4S	.98	2.76	1.77	4.83	1.20			
20		5020-**-R	RI-20-6/5S								
21,3		5021.3-**-R	RI-21.3-6/5S								
22	7/8	5022-**-R	RI-22-6/5S								
25		5025-**-R	RI-25-6/5S								
26,9		5026.9-**-R	RI-26.9-6/5S								
28		5028-**-R	RI-28-6/5S								
30		5030-**-R	RI-30-6/5S								
32	1-1/4	5032-**-R	RI-32-6/5S								
32	1-1/4	6032-**-R	RI-32-6S						64	115	90
33,7		6033.7-**-R	RI-33.7-6S								
35		6035-**-R	RI-35-6S								
38,7		6038.7-**-R	RI-38.7-6S								
40		6040-**-R	RI-40-6S								
42		6042-**-R	RI-42-6S								
45,5		6045.5-**-R	RI-45.5-6S								
48		6048-**-R	RI-48-6S								
51	2	6051-**-R	RI-51-6S								
53,4		6053.4-**-R	RI-53.4-6S								
56,4		6056.4-**-R	RI-56.4-6S	88	154	122	120	60			
55		7055-**-R	RI-55-7S								
57	2-1/4	7057-**-R	RI-57-7S								
60		7060-**-R	RI-60-7S								
63,5	2-1/2	7063.5-**-R	RI-63.5-7S								
65		7065-**-R	RI-65-7S								
70	2-3/4	7070-**-R	RI-70-7S								
72		7072-**-R	RI-72-7S								
76	3	7076-**-R	RI-76-7S								
80		8080-**-R	RI-80-8S						114	208	168
88,9	3-1/2	8088.9-**-R	RI-88.9-8S								
102		8102-**-R	RI-102-8S								
114		9114-**-R	RI-114-9S								
133	5-1/4	9133-**-R	RI-133-9S								
140		9140-**-R	RI-140-9S								
150		10150-**-R	RI-150-10S								
165		10165-**-R	RI-165-10S								
168		10168-**-R	RI-168-10S								
172		10172-**-R	RI-172-10S								

* Elastomer Inserts for Heavy Series clamp bodies, STAUFF Group 4S also fit into Standard Series clamp bodies, STAUFF Group 4.
Elastomer Inserts for Heavy Series clamp bodies, STAUFF Group 5S also fit into Standard Series clamp bodies, STAUFF Group 6.

Additional outside diameters are available upon request. Please contact STAUFF for further information.

Ordering Codes

Clamp Assembly *4*006-*PP-R

One assembly is consisting of one clamp body and one insert.

- * 1st part of STAUFF Group 4
- * Exact outside diameter Ø D (mm) 006
- * Material code (see below) PP-R

Clamp Body *4S-*PP-R

One clamp body is consisting of two clamp halves.

- * STAUFF Group 4S
- * Material code (see below) PP-R

Elastomer Insert *RI-*06-*4/4S

- * Elastomer Insert RI
- * Exact outside diameter Ø D (mm) 06
- * STAUFF Group 4S (Heavy) and 4 (Standard) 4/4S
- 5S (Heavy) and 6 (Standard) 6/5S
- 6S (Heavy) 6S
- 7S (Heavy) 7S
- 8S (Heavy) 8S
- 9S (Heavy) 9S
- 10S (Heavy) 10S

Standard Materials

Polypropylene
Colour: Black
Material code: **PP-R**

Polyamide
Colour: Black
Material code: **PA-R**

Elastomer Insert
4S to 6S: **Thermoplastic Elastomer** (73 Shore-A)
7S to 10S: **EPDM** (70 Shore-A)
Colour: Black

See pages 154 / 155 for material properties and technical information.

Special Materials

Please contact STAUFF for further details on fire-proof clamp body materials, tested and approved according to several international fire-protection standards (such as BS 6853, EN 45545-2, UL 94 and many more).

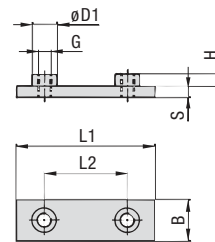
See pages 156 / 157 for material properties and technical information.

Product Features

- Proven, tested and trusted product in various markets
- Either for the extra vibration/noise reducing installation of pipes and tubes or the extra gentle installation of hoses and cables
- Available for all commonly used outside diameters
- Excellent weathering resistance, even under extreme conditions



Weld Plate for Single Clamps Type SPAL



B



Ordering Codes

Weld Plate

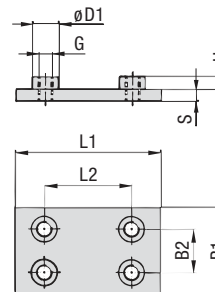
***SPAL-*3S-*M-*W2**

- * Weld Plate for Single Clamps **SPAL**
- * STAUFF Group **3S**
- * Thread code Metric ISO thread **M**
Unified coarse (UNC) thread **U**
- * Material code Carbon Steel, uncoated **W1**
Carbon Steel, phosphated **W2**
Carbon Steel, zinc/nickel-plated **W3**
Stainless Steel V2A **W4**
1.4301 / 1.4305 (AISI 304 / 303) **W4**
Stainless Steel V4A **W5**
1.4401 / 1.4571 (AISI 316 / 316 Ti) **W5**

Group STAUFF	DIN	Dimensions (mm/in)						Thread G	ØD1	Ordering Codes (Standard Options)
		L1	L2	B	S	H				
3S	1	74	33	30	8	8	M10	18	SPAL-3S-M-W2	
		2.91	1.30	1.18	.31	.31	3/8-16 UNC	.71	SPAL-3S-U-W2	
4S	2	86	45	30	8	8	M10	18	SPAL-4S-M-W2	
		3.39	1.77	1.18	.31	.31	3/8-16 UNC	.71	SPAL-4S-U-W2	
5S	3	100	60	30	8	8	M10	18	SPAL-5S-M-W2	
		3.94	2.36	1.18	.31	.31	3/8-16 UNC	.71	SPAL-5S-U-W2	
6S	4	140	90	45	10	8	M12	20	SPAL-6S-M-W2	
		5.51	3.54	1.77	.39	.31	7/16-14 UNC	.78	SPAL-6S-U-W2	
7S	5	180	122	60	10	12	M16	24	SPAL-7S-M-W2	
		7.09	4.80	2.36	.39	.47	5/8-11 UNC	.94	SPAL-7S-U-W2	
8S	6	226	168	80	15	18	M20	30	SPAL-8S-M-W1	
		8.90	6.61	3.15	.59	.71	3/4-10 UNC	1.18	SPAL-8S-U-W1	
9S	7	270	205	90	15	21	M24	35	SPAL-9S-M-W1	
		10.63	8.07	3.54	.59	.83	7/8-9 UNC	1.38	SPAL-9S-U-W1	
10S	8	340	265	120	25	21	M30	45	SPAL-10S-M-W1	
		13.39	10.43	4.72	.98	.83	1-1/8-7 UNC	1.77	SPAL-10S-U-W1	
11S	9	520	395	160	30	38	M30	50	SPAL-11S-M-W1	
		20.47	15.55	6.30	1.18	1.50	1-1/4-7 UNC	1.97	SPAL-11S-U-W1	
12S	10	680	534	180	30	38	M30	50	SPAL-12S-M-W1	
		27.16	21.02	7.09	1.18	1.50	1-1/4-7 UNC	1.97	SPAL-12S-U-W1	

All threaded parts are available with Metric ISO thread or unified coarse (UNC) thread according to dimension table. Alternative materials and surface finishings are available upon request. Contact STAUFF for further information.

Weld Plate for Double Clamps Type SPAS



Ordering Codes

Weld Plate

***SPAS-*3S-*M-*W2**

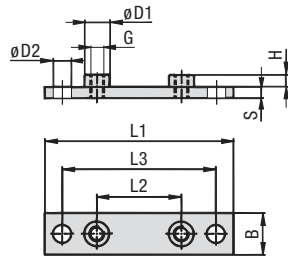
- * Weld Plate for Double Clamps **SPAS**
- * STAUFF Group **3S**
- * Thread code Metric ISO thread **M**
Unified coarse (UNC) thread **U**
- * Material code Carbon Steel, uncoated **W1**
Carbon Steel, phosphated **W2**
Carbon Steel, zinc/nickel-plated **W3**
Stainless Steel V2A **W4**
1.4301 / 1.4305 (AISI 304 / 303) **W4**
Stainless Steel V4A **W5**
1.4401 / 1.4571 (AISI 316 / 316 Ti) **W5**

Group STAUFF	DIN	Dimensions (mm/in)						Thread G	ØD1	Ordering Codes (Standard Options)
		L1	L2	B1	B2	S	H			
3S	1	74	33	60	30,5	8	8	M10	18	SPAS-3S-M-W2
		2.91	1.30	2.36	1.20	.31	.31	3/8-16 UNC	.71	SPAS-3S-U-W2
4S	2	86	45	60	30,5	8	8	M10	18	SPAS-4S-M-W2
		3.39	1.77	2.36	1.20	.31	.31	3/8-16 UNC	.71	SPAS-4S-U-W2
5S	3	100	60	60	30,5	8	8	M10	18	SPAS-5S-M-W2
		3.94	2.36	2.36	1.20	.31	.31	3/8-16 UNC	.71	SPAS-5S-U-W2
6S	4	140	90	90	46	10	8	M12	20	SPAS-6S-M-W2
		5.51	3.54	3.54	1.81	.39	.31	7/16-14 UNC	.78	SPAS-6S-U-W2
7S	5	180	122	120	61	10	12	M16	24	SPAS-7S-M-W2
		7.09	4.80	4.72	2.40	.39	.47	5/8-11 UNC	.94	SPAS-7S-U-W2
8S	6	226	168	160	81	15	18	M20	30	SPAS-8S-M-W1
		8.90	6.61	6.61	3.19	.59	.71	3/4-10 UNC	1.18	SPAS-8S-U-W1
9S	7	270	205	180	91	15	21	M24	35	SPAS-9S-M-W1
		10.63	8.07	7.09	3.58	.59	.83	7/8-9 UNC	1.38	SPAS-9S-U-W1
10S	8	340	265	240	121	25	21	M30	45	SPAS-10S-M-W1
		13.39	10.43	9.45	4.78	.98	.83	1-1/8-7 UNC	1.77	SPAS-10S-U-W1
11S	9	520	395	324	166	30	38	M30	50	SPAS-11S-M-W1
		20.47	15.55	12.76	6.54	1.18	1.50	1-1/4-7 UNC	1.97	SPAS-11S-U-W1
12S	10	680	534	364	186	30	38	M30	50	SPAS-12S-M-W1
		27.16	21.02	14.33	7.32	1.18	1.50	1-1/4-7 UNC	1.97	SPAS-12S-U-W1

All threaded parts are available with Metric ISO thread or unified coarse (UNC) thread according to dimension table. Alternative materials and surface finishings are available upon request. Contact STAUFF for further information.



Elongated Weld Plate for Single Clamps
Type SPAL-DUEB



B

Group STAUFF	DIN	Dimensions (mm/in)						Thread G	ØD1	ØD2	Ordering Codes (Standard Options)
		L1	L2	L3	B	S	H				
3S	1	113	33	85	30	8	8	M10	18	13	SPAL-DUEB-3S-M-W2
		4.45	1.30	3.35	1.18	.31	.31	3/8-16 UNC	.71	.51	SPAL-DUEB-3S-U-W2
4S	2	125	45	97	30	8	8	M10	18	13	SPAL-DUEB-4S-M-W2
		4.92	1.77	3.82	1.18	.31	.31	3/8-16 UNC	.71	.51	SPAL-DUEB-4S-U-W2
5S	3	140	60	112	30	8	8	M10	18	13	SPAL-DUEB-5S-M-W2
		5.51	2.36	4.41	1.18	.31	.31	3/8-16 UNC	.71	.51	SPAL-DUEB-5S-U-W2
6S	4	187	90	155	45	10	8	M12	20	16	SPAL-DUEB-6S-M-W2
		7.36	3.54	6.10	1.77	.39	.31	7/16-14 UNC	.78	.62	SPAL-DUEB-6S-U-W2
7S	5	238	122	198	60	10	12	M16	24	21	SPAL-DUEB-7S-M-W2
		9.37	4.80	7.80	2.36	.39	.47	5/8-11 UNC	.94	.83	SPAL-DUEB-7S-U-W2
8S	6	309	168	259	80	15	18	M20	30	26	SPAL-DUEB-8S-M-W1
		12.17	6.61	10.20	3.15	.59	.71	3/4-10 UNC	1.18	1.02	SPAL-DUEB-8S-U-W1
9S	7	370	205	310	90	15	21	M24	35	31	SPAL-DUEB-9S-M-W1
		14.57	8.07	12.20	3.54	.59	.83	7/8-9 UNC	1.38	1.22	SPAL-DUEB-9S-U-W1
10S	8	460	265	400	120	25	21	M30	45	31	SPAL-DUEB-10S-M-W1
		18.11	10.43	15.75	4.72	.98	.83	1-1/8-7 UNC	1.77	1.22	SPAL-DUEB-10S-U-W1
11S	9	590	395	530	160	30	38	M30	50	31	SPAL-DUEB-11S-M-W1
		23.23	15.55	20.87	6.30	1.18	1.50	1-1/4-7 UNC	1.97	1.22	SPAL-DUEB-11S-U-W1
12S	10	750	534	690	180	30	38	M30	50	31	SPAL-DUEB-12S-M-W1
		29.53	21.02	27.17	7.09	1.18	1.50	1-1/4-7 UNC	1.97	1.22	SPAL-DUEB-12S-U-W1

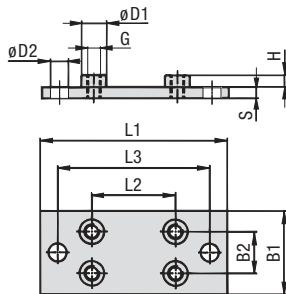
All threaded parts are available with Metric ISO thread or unified coarse (UNC) thread according to dimension table. Alternative materials and surface finishings are available upon request. Contact STAUFF for further information.

Ordering Codes

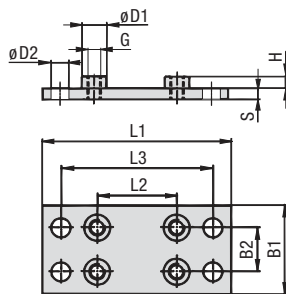
Weld Plate *SPAL-DUEB-*3S-*M-*W2

- * Elongated Weld Plate for Single Clamps **SPAL-DUEB**
- * STAUFF Group **3S**
- * Thread code Metric ISO thread **M**
Unified coarse (UNC) thread **U**
- * Material code Carbon Steel, uncoated **W1**
Carbon Steel, phosphated **W2**
Carbon Steel, zinc/nickel-plated **W3**

Stainless Steel V2A **W4**
1.4301 / 1.4305 (AISI 304 / 303) **W4**
Stainless Steel V4A **W5**
1.4401 / 1.4571 (AISI 316 / 316 Ti) **W5**



STAUFF Group 3S to 9S



STAUFF Group 10S to 12S

Elongated Weld Plate for Double Clamps
Type SPAS-DUEB



Design for STAUFF Group 10S to 12S

Group STAUFF	DIN	Dimensions (mm/in)						Thread G	ØD1	ØD2	Ordering Codes (Standard Options)	
		L1	L2	L3	B1	B2	S					H
3S	1	113	33	85	60	30,5	8	8	M10	18	13	SPAS-DUEB-3S-M-W2
		4.45	1.30	3.35	2.36	1.20	.31	.31	3/8-16 UNC	.71	.51	SPAS-DUEB-3S-U-W2
4S	2	125	45	97	60	30,5	8	8	M10	18	13	SPAS-DUEB-4S-M-W2
		4.92	1.77	3.82	2.36	1.20	.31	.31	3/8-16 UNC	.71	.51	SPAS-DUEB-4S-U-W2
5S	3	140	60	112	60	30,5	8	8	M10	18	13	SPAS-DUEB-5S-M-W2
		5.51	2.36	4.41	2.36	1.20	.31	.31	3/8-16 UNC	.71	.51	SPAS-DUEB-5S-U-W2
6S	4	187	90	155	90	46	10	8	M12	20	16	SPAS-DUEB-6S-M-W2
		7.36	3.54	6.10	3.54	1.81	.39	.31	7/16-14 UNC	.78	.62	SPAS-DUEB-6S-U-W2
7S	5	238	122	198	120	61	10	12	M16	24	21	SPAS-DUEB-7S-M-W2
		9.37	4.80	7.80	4.72	2.40	.39	.47	5/8-11 UNC	.94	.83	SPAS-DUEB-7S-U-W2
8S	6	309	168	259	160	81	15	18	M20	30	26	SPAS-DUEB-8S-M-W1
		12.17	6.61	10.20	6.61	3.19	.59	.71	3/4-10 UNC	1.18	1.02	SPAS-DUEB-8S-U-W1
9S	7	370	205	310	180	91	15	21	M24	35	31	SPAS-DUEB-9S-M-W1
		14.57	8.07	12.20	7.09	3.58	.59	.83	7/8-9 UNC	1.38	1.22	SPAS-DUEB-9S-U-W1
10S	8	460	265	400	240	121	25	21	M30	45	31	SPAS-DUEB-10S-M-W1
		18.11	10.43	15.75	9.45	4.78	.98	.83	1-1/8-7 UNC	1.77	1.22	SPAS-DUEB-10S-U-W1
11S	9	590	395	530	324	166	30	38	M30	50	31	SPAS-DUEB-11S-M-W1
		23.23	15.55	20.87	12.76	6.54	1.18	1.50	1-1/4-7 UNC	1.97	1.22	SPAS-DUEB-11S-U-W1
12S	10	750	534	690	364	186	30	38	M30	50	31	SPAS-DUEB-12S-M-W1
		29.53	21.02	27.17	14.33	7.32	1.18	1.50	1-1/4-7 UNC	1.97	1.22	SPAS-DUEB-12S-U-W1

All threaded parts are available with Metric ISO thread or unified coarse (UNC) thread according to dimension table. Alternative materials and surface finishings are available upon request. Contact STAUFF for further information.

Ordering Codes

Weld Plate *SPAS-DUEB-*3S-*M-*W2

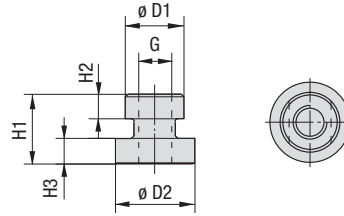
- * Elongated Weld Plate for Double Clamps **SPAS-DUEB**
- * STAUFF Group **3S**
- * Thread code Metric ISO thread **M**
Unified coarse (UNC) thread **U**
- * Material code Carbon Steel, uncoated **W1**
Carbon Steel, phosphated **W2**
Carbon Steel, zinc/nickel-plated **W3**

Stainless Steel V2A **W4**
1.4301 / 1.4305 (AISI 304 / 303) **W4**
Stainless Steel V4A **W5**
1.4401 / 1.4571 (AISI 316 / 316 Ti) **W5**



Mounting Rail Nut
(for Use with Mounting Rail STSV)
Type GMV

B



Ordering Codes

Mounting Rail Nut *GMV-*3-5S*M-*W3

* Mounting Rail Nut **GMV**

* STAUFF Group 3S to 5S (DIN Group 1 to 3) **3-5S**
6S (DIN Group 4) **6S**

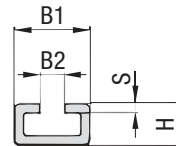
* Thread code Metric ISO thread **M**
Unified coarse (UNC) thread **U**

* Material code Carbon Steel, zinc/nickel-plated **W3**
Stainless Steel V2A **W4**
1.4301 / 1.4305 (AISI 304 / 303)
Stainless Steel V4A **W5**
1.4401 / 1.4571 (AISI 316 / 316 Ti)

Group STAUFF	DIN	Dimensions (mm/in)					Thread G	Ordering Codes (Standard Options)
		ØD1	ØD2	H1	H2	H3		
3S	1							
4S	2	17,8 .70	24 .94	21 .83	7,6 .30	7,4 .29	M10 3/8-16 UNC	GMV-3-5S-M-W3 GMV-3-5S-U-W3
5S	3							
6S	4	19,8 .78	24 .94	23 .91	8,8 .35	8,8 .35	M12 7/16-14 UNC	GMV-6S-M-W3 GMV-6S-U-W3

All threaded parts are available with Metric ISO thread or unified coarse (UNC) thread according to dimension table. Alternative materials and surface finishings are available upon request. Contact STAUFF for further information.

Mounting Rail
(for Use with Mounting Rail Nut GMV)
Type STSV



Ordering Codes

Mounting Rail *STSV-*1M-*W1

* Mounting Rail **STSV**

* Length of rail 1 m / 3.28 ft **1M**
2 m / 6.56 ft **2M**

Alternative lengths available upon request. Contact STAUFF for further information.

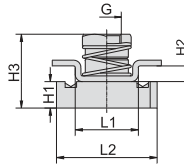
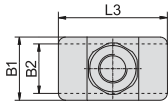
* Material code Carbon Steel, uncoated **W1**
Carbon Steel, zinc-plated, blue-chromated **W32**
Stainless Steel V4A **W5**
1.4401 / 1.4571 (AISI 316 / 316 Ti)

Group STAUFF	DIN	Dimensions (mm/in)				Ordering Codes (Standard Options)	
		B1	B2	H	S	Length of Rail: 1 m / 3.28 ft	Length of Rail: 2 m / 6.56 ft
3S	1						
4S	2	40	13	22	5	STSV -1M-W1	STSV -2M-W1
5S	3	1.57	.51	.86	.19		
6S	4						

Alternative materials and surface finishings are available upon request. Contact STAUFF for further information.



Channel Rail Adaptor (for Use with Various Channel Rails) Type CRA


B

Group STAUFF	DIN	Dimensions (mm/in)									Ordering Codes (Standard Options)	
		Thread G	L1	L2	L3	B1	B2	H1	H2	H3		
3S	1											
4S	2	M10	22	35	38	22	20,5	9,2	5,5	27,5	CRA-3-5S-M-W3 CRA-3-5S-U-W3	
		3/8-16 UNC	.87	1.38	1.50	.87	.81	.36	.22	1.08		
5S	3											
6S	4	M12	21,5	35	45	25	19	9,2	5	27,5	CRA-6S-M-W3 CRA-6S-U-W3	
		7/16-14 UNC	.85	1.38	1.77	.98	.75	.36	.20	1.08		

Ordering Codes

Adaptor *CRA-*3-5S-*M-*W3

* Channel Rail Adaptor	CRA
* STAUFF Group	3S to 5S (DIN Group 1 to 3) 6S (DIN Group 4)
* Thread code	Metric ISO thread Unified coarse (UNC) thread
* Material code	Carbon Steel, zinc/nickel-plated Stainless Steel V4A
	1.4401 / 1.4571 (AISI 316 / 316 Ti)
	W3 W5

All threaded parts are available with Metric ISO thread or unified coarse (UNC) thread according to dimension table. Alternative materials and surface finishings are available upon request. Contact STAUFF for further information.

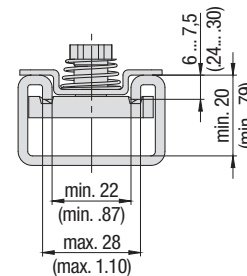
Compatibility with Channel Rails

The STAUFF Channel Rail Adaptor, type CRA is suitable for various channel rails, including the following types:



HALFEN	HILTI	UNISTRUT®	STAUFF (Cushion Clamp Series)
HM 41/41	MQ-21, MQ-41, MQ-52, MQ-72	P1000, P1000T, P1000V, P1000VT, P1001	SCS-048-1-PL, SCS-048-1-GR
HZA 41/22	MQ-21U, MQ-41U, MQ-72U	P2000, P2000T	SCS-120-1-PL, SCS-120-1-GR
HZM 41/41	MQ-21D, MQ-41D, MQ-52-72D	P3003, P3003T, P3300V, P3300VT, P3301	See page 149 for technical information.
HZM 41/22		P4000, P4000T	
HL 41/41, HL 41/B2		P5000, P5000T, P5001, P5500, P5500T, P5501	

Contact STAUFF to check compatibility with additional types of channel rails.



Basic dimensional requirements for channel rails to be used with STAUFF Channel Rail Adaptors, type CRA

Recommended Bolt Lengths when using the Channel Rail Adaptor, Type CRA

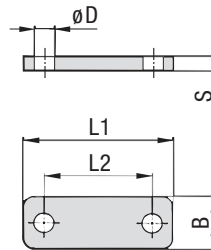
Group STAUFF	DIN	Hexagon Head Bolts AS (used with Cover Plates DPAL or DPAS)		Socket Cap Screws IS (used without Cover Plates DPAL or DPAS)	
		Metric ISO thread	Unified coarse (UNC) thread	Metric ISO thread	Unified coarse (UNC) thread
3S	1	M10 x 40	3/8-16 UNC x 1-1/2	M10 x 25	3/8-16 UNC x 1
4S	2	M10 x 55	3/8-16 UNC x 2-1/4	M10 x 40	3/8-16 UNC x 1-1/2
5S	3	M10 x 65	3/8-16 UNC x 2-3/4	M10 x 50	3/8-16 UNC x 2
6S	4	M12 x 100	7/16-14 UNC x 3-3/4	M12 x 75	7/16-14 UNC x 3

Clamp assemblies including Channel Rail Adaptors, type CRA are supplied with the recommended bolt lengths by default. See page 48 for further information on ordering.



Cover Plate for Single Clamps Type DPAL

B



Ordering Codes

Cover Plate

***DPAL-*3S-*W2**

* Cover Plate for Single Clamps

DPAL

* STAUFF Group

3S

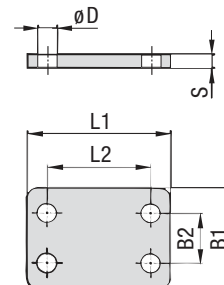
* Material code

- Carbon Steel, uncoated **W1**
- Carbon Steel, phosphated **W2**
- Carbon Steel, zinc/nickel-plated **W3**
- Stainless Steel V2A **W4**
- 1.4301 / 1.4305 (AISI 304 / 303)
- Stainless Steel V4A **W5**
- 1.4401 / 1.4571 (AISI 316 / 316 Ti)
- Aluminium EN AW-6060 **W85**
- (for group sizes 3S to 5S only)

Group	STAUFF	DIN	Dimensions (mm/in)				ØD	Ordering Codes (Standard Options)
			L1	L2	B	S		
3S	1		55	33	30	8	11	DPAL-3S-W2
			2.16	1.30	1.18	.31	.43	
4S	2		70	45	30	8	11	DPAL-4S-W2
			2.76	1.77	1.18	.31	.43	
5S	3		85	60	30	8	11	DPAL-5S-W2
			3.35	2.36	1.18	.31	.43	
6S	4		115	90	45	10	14	DPAL-6S-W2
			4.53	3.54	1.77	.39	.55	
7S	5		152	122	60	10	19	DPAL-7S-W2
			5.98	4.80	2.36	.39	.75	
8S	6		206	168	80	15	22	DPAL-8S-W1
			8.11	6.61	3.15	.59	.87	
9S	7		251	205	90	15	26	DPAL-9S-W1
			9.88	8.07	3.54	.59	1.02	
10S	8		320	265	120	25	35	DPAL-10S-W1
			12.60	10.43	4.72	.98	1.38	
11S	9		470	395	160	30	35	DPAL-11S-W1
			18.50	15.55	6.30	1.18	1.38	
12S	10		630	534	180	30	35	DPAL-12S-W1
			24.80	21.02	7.09	1.18	1.38	

Alternative materials and surface finishings are available upon request. Contact STAUFF for further information.

Cover Plate for Double Clamps Type DPAS



Ordering Codes

Cover Plate

***DPAS-*3S-*W2**

* Cover Plate for Double Clamps

DPAS

* STAUFF Group

3S

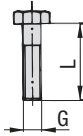
* Material code

- Carbon Steel, uncoated **W1**
- Carbon Steel, phosphated **W2**
- Carbon Steel, zinc/nickel-plated **W3**
- Stainless Steel V2A **W4**
- 1.4301 / 1.4305 (AISI 304 / 303)
- Stainless Steel V4A **W5**
- 1.4401 / 1.4571 (AISI 316 / 316 Ti)

Group	STAUFF	DIN	Dimensions (mm/in)				S	ØD	Ordering Codes (Standard Options)
			L1	L2	B1	B2			
3S	1		55	33	60	30,5	8	11	DPAS-3S-W2
			2.16	1.30	2.36	1.20	.31	.43	
4S	2		70	45	60	30,5	8	11	DPAS-4S-W2
			2.76	1.77	2.36	1.20	.31	.43	
5S	3		83	60	60	30,5	8	11	DPAS-5S-W2
			3.27	2.36	2.36	1.20	.31	.43	
6S	4		115	90	90	46	10	14	DPAS-6S-W2
			4.53	3.54	3.54	1.81	.39	.55	
7S	5		152	122	120	61	10	19	DPAS-7S-W2
			5.98	4.80	4.72	2.40	.39	.75	
8S	6		206	168	160	81	15	22	DPAS-8S-W1
			8.11	6.61	6.61	3.19	.59	.87	
9S	7		251	205	180	91	15	26	DPAS-9S-W1
			9.88	8.07	7.09	3.58	.59	1.02	
10S	8		320	265	240	121	25	35	DPAS-10S-W1
			12.60	10.43	9.45	4.78	.98	1.38	
11S	9		470	395	321	166	30	35	DPAS-11S-W1
			18.50	15.55	12.64	6.54	1.18	1.38	
12S	10		630	534	361	186	30	35	DPAS-12S-W1
			24.80	21.02	14.21	7.32	1.18	1.38	

Alternative materials and surface finishings are available upon request. Contact STAUFF for further information.



**Hexagon Head Bolt
Type AS**

Hexagon Head Bolt AS

(according to DIN 931 / 933 or ANSI / ASME B18.2.1.)

Dimensions applicable only when used with Cover Plates DPAL or DPAS


B

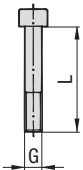
Group STAUFF	DIN	Dimensions (mm/in) Thread G x L	Ordering Codes (Standard Options)
3S	1	M10 x 45	AS-M10x45-W1
		3/8-16 UNC x 1-3/4	AS-3/8-16UNCx1-3/4-W3*
4S	2	M10 x 60	AS-M10x60-W1
		3/8-16 UNC x 2-1/4	AS-3/8-16UNCx2-1/4-W3*
5S	3	M10 x 70	AS-M10x70-W1
		3/8-16 UNC x 2-3/4	AS-3/8-16UNCx2-3/4-W3*
6S	4	M12 x 100	AS-M12x100-W1
		7/16-14 UNC x 4	AS-7/16-14UNCx4-W3*
7S	5	M16 x 130	AS-M16x130-W1
		5/8-11 UNC x 5-1/4	AS-5/8-11UNCx5-1/4-W3*
8S	6	M20 x 190	AS-M20x190-W1
		3/4-10 UNC x 7-1/2	AS-3/4-10UNCx7-1/2-W1
9S	7	M24 x 220	AS-M24x220-W1
		7/8-9 UNC x 8-3/4	AS-7/8-9UNCx8-3/4-W1
10S	8	M30 x 300	AS-M30x300-W1
		1-1/8-7 UNC x 12	AS-1-1/8-7UNCx12-W1
11S	9	M30 x 450	AS-M30x450-W1
		1-1/4-7 UNC x 17-1/2	AS-1-1/4-7UNCx17-1/2-W1
12S	10	M30 x 560	AS-M30x560-W1
		1-1/4-7 UNC x 22	AS-1-1/4-7UNCx22-W1

Ordering Codes
Hexagon Head Bolt *AS-*M10x70-*W1

* Type of bolt	Hexagon Head Bolt (according to DIN 931 / 933 or ANSI / ASME B18.2.1.)	AS
* Thread type and size acc. to dimension table	M10x70	
* Material code	Carbon Steel, uncoated	W1
	Carbon Steel, zinc/nickel-plated	W3
	Stainless Steel V2A 1.4301 / 1.4305 (AISI 304 / 303)	W4
	Stainless Steel V4A 1.4401 / 1.4571 (AISI 316 / 316 Ti)	W5

* Standard finishing option for Heavy Series group sizes 3S to 7S in North America is W3 (Carbon Steel, zinc/nickel-plated).

All threaded parts are available with Metric ISO thread or unified coarse (UNC) thread according to dimension table. Alternative materials and surface finishings are available upon request. Contact STAUFF for further information.

**Socket Cap Screw
Type IS**

Socket Cap Screw IS

(according to ISO 4762 or ANSI / ASME B18.3)

Dimensions applicable only when used without Cover Plates



Group STAUFF	DIN	Dimensions (mm/in) Thread G x L	Ordering Codes (Standard Options)
3S	1	M10 x 30	IS-M10x30-W1
		3/8-16 UNC x 1	IS-3/8-16UNCx1-W3*
4S	2	M10 x 40	IS-M10x40-W1
		3/8-16 UNC x 1-3/4	IS-3/8-16UNCx1-3/4-W3*
5S	3	M10 x 50	IS-M10x50-W1
		3/8-16 UNC x 2	IS-3/8-16UNCx2-W3*
6S	4	M12 x 80	ISM12x80-W1
		7/16-14 UNC x 3-1/4	IS-7/16-14UNCx3-1/4-W3*

Ordering Codes
Socket Cap Screw *IS-*M10x50-*W1

* Type of Bolt	Socket Cap Screw (according to ISO 4762 or ANSI / ASME B18.3)	IS
* Thread type and size acc. to dimension table	M10x50	
* Material code	Carbon Steel, uncoated	W1
	Carbon Steel, zinc/nickel-plated	W3
	Stainless Steel V2A 1.4301 / 1.4305 (AISI 304 / 303)	W4
	Stainless Steel V4A 1.4401 / 1.4571 (AISI 316 / 316 Ti)	W5

All threaded parts are available with Metric ISO thread or unified coarse (UNC) thread according to dimension table. Alternative materials and surface finishings are available upon request. Contact STAUFF for further information.

* Standard finishing option in North America is W3 (Carbon Steel, zinc/nickel-plated).

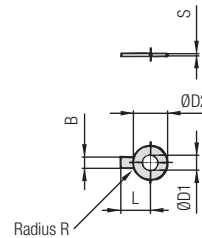


Safety Washer

(for Use with Hexagon Head Bolt AS)

Type SI (DIN 93)

B



Safety Washer SI

(Bend longer tab down towards the side of the clamp body and one side up towards one of the flats of the hexagon head bolt)

Ordering Codes	
Safety Washer	*SI-*10.5-*DIN93-*W3
* Safety Washer	SI
* Exact inner diameter ØD1 (mm)	10.5
* Type of washer	Safety washer with 1 tab (according to DIN 93)
	DIN 93
* Material code	Carbon Steel, zinc/nickel-plated W3
	Stainless Steel V4A W5
	1.4401 / 1.4571 (AISI 316 / 316 Ti)

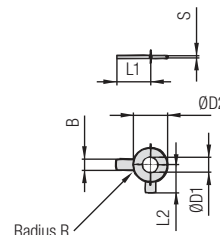
Group STAUFF	DIN	Dimensions (mm/in)						Ordering Codes (Standard Options)
		ØD1	B	ØD2	L	R	S	
3S	1	10,5	10	26	22	4	0,75	SI-10.5-DIN93-W3
		.41	.39	1.02	.87	.16	.03	
4S	2	10,5	10	26	22	4	0,75	SI-10.5-DIN93-W3
		.41	.39	1.02	.87	.16	.03	
5S	3	10,5	10	26	22	4	0,75	SI-10.5-DIN93-W3
		.41	.39	1.02	.87	.16	.03	
6S	4	13	12	30	28	6	1	SI-13-DIN93-W3
		.51	.47	1.18	1.10	.24	.04	
7S	5	17	15	36	32	6	1	SI-17-DIN93-W3
		.67	.59	1.42	1.26	.24	.04	
8S	6	21	18	42	36	6	1	SI-21-DIN93-W3
		.83	.71	1.65	1.42	.24	.04	
9S	7	25	20	50	42	6	1	SI-25-DIN93-W3
		.98	.79	1.97	1.65	.24	.04	
10S	8	31	26	63	52	10	1,6	SI-31-DIN93-W3
		1.22	1.02	2.48	2.05	.39	.06	
11S	9	31	26	63	52	10	1,6	SI-31-DIN93-W3
		1.22	1.02	2.48	2.05	.39	.06	
12S	10	31	26	63	52	10	1,6	SI-31-DIN93-W3
		1.22	1.02	2.48	2.05	.39	.06	

Safety Washers, type SI are used as locking devices to prevent Hexagon Head Bolts, type AS from loosening. Alternative materials and surface finishings are available upon request. Contact STAUFF for further information.

Safety Washer

(for Use with Hexagon Head Bolt AS)

Type SI (DIN 463)



Safety Washer SI

(Bend longer tab down towards the side of the clamp body and shorter tab up towards one of the flats of the hexagon head bolt)

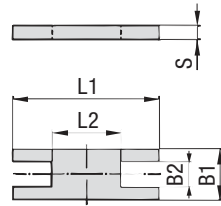
Ordering Codes	
Safety Washer	*SI-*10.5-*DIN463-*W3
* Safety Washer	SI
* Exact inner diameter ØD1 (mm)	10.5
* Type of washer	Safety washer with 2 tabs (according to DIN 463)
	DIN 463
* Material code	Carbon Steel, zinc/nickel-plated W3
	Stainless Steel V4A W5
	1.4401 / 1.4571 (AISI 316 / 316 Ti)

Group STAUFF	DIN	Dimensions (mm/in)						Ordering Codes (Standard Options)	
		ØD1	B	ØD2	L1	L2	R	S	
3S	1	10,5	10	21	22	13	4	0,75	SI-10.5-DIN463-W3
		.41	.39	.83	.87	.51	.16	.03	
4S	2	10,5	10	21	22	13	4	1	SI-10.5-DIN463-W3
		.41	.39	.83	.87	.51	.16	.04	
5S	3	10,5	10	21	22	13	4	1	SI-10.5-DIN463-W3
		.41	.39	.83	.87	.51	.16	.04	
6S	4	13	12	24	28	15	6	1	SI-13-DIN463-W3
		.51	.47	.94	1.10	.59	.24	.04	
7S	5	17	15	30	32	18	6	1	SI-17-DIN463-W3
		.67	.59	1.18	1.26	.71	.24	.04	
8S	6	21	18	37	36	21	6	1	SI-21-DIN463-W3
		.83	.71	1.46	1.42	.83	.24	.04	
9S	7	25	20	44	42	25	6	1	SI-25-DIN463-W3
		.98	.79	1.73	1.65	.98	.24	.04	
10S	8	31	26	56	52	32	10	1,6	SI-31-DIN463-W3
		1.22	1.02	2.20	2.05	1.26	.39	.06	
11S	9	31	26	56	52	32	10	1,6	SI-31-DIN463-W3
		1.22	1.02	2.20	2.05	1.26	.39	.06	
12S	10	31	26	56	52	32	10	1,6	SI-31-DIN463-W3
		1.22	1.02	2.20	2.05	1.26	.39	.06	

Safety Washers, type SI are used as locking devices to prevent Hexagon Head Bolts, type AS from loosening. Alternative materials and surface finishings are available upon request. Contact STAUFF for further information.



Safety Locking Plate
(for Use with Stacking Bolt AF)
Type SIP



B

Group STAUFF	DIN	Dimensions (mm/in)		B1	B2	S	Ordering Codes (Standard Options)
		L1	L2				
3S	1	57	13	30	15,2	8	SIP-3S-W2
		2.24	.51	1.18	.60	.31	
4S	2	70	26	30	15,2	8	SIP-4S-W2
		2.76	1.02	1.18	.60	.31	
5S	3	85	40	30	15,2	8	SIP-5S-W2
		3.35	1.57	1.18	.60	.31	
6S	4	116	68	45	17,2	10	SIP-6S-W2
		4.57	2.68	1.77	.68	.39	
7S	5	153	96	60	22	10	SIP-7S-W2
		6.02	3.78	2.36	.87	.39	
8S	6	206	130	80	28	15	SIP-8S-W1
		8.11	5.12	3.15	1.10	.59	
9S	7	251	166	90	31	15	SIP-9S-W1
		9.88	6.54	3.54	1.22	.59	
10S	8	317	205	120	49	25	SIP-10-S-W1
		12.48	8.07	4.72	1.93	.98	

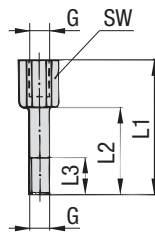
Ordering Codes

Safety Locking Plate *SIP-*3S-*W2

* Safety Locking Plate	SIP
* STAUFF Group	3S
* Material code	Carbon Steel, uncoated W1
	Carbon Steel, phosphated W2
	Carbon Steel, zinc/nickel-plated W3
	Stainless Steel V2A W4
	1.4301 / 1.4305 (AISI 304 / 303) W4
	Stainless Steel V4A W5
	1.4401 / 1.4571 (AISI 316 / 316 Ti) W5

Alternative materials and surface finishings are available upon request. Contact STAUFF for further information.

Stacking Bolt
(for Use with Safety Locking Plate SIP)
Type AF



Group STAUFF	DIN	Dimensions (mm/in)			Hex	Thread G	Ordering Codes (Standard Options)
		L1	L2	L3 min.			
3S	1	49	25	15	15	M10	AF-3S-M-W2
		1.93	.98	.59	.59	3/8-16 UNC	AF-3S-U-W3*
4S	2	65	40	15	15	M10	AF-4S-M-W2
		2.56	1.57	.59	.59	3/8-16 UNC	AF-4S-U-W3*
5S	3	77	51	15	15	M10	AF-5S-M-W2
		3.03	2.01	.59	.59	3/8-16 UNC	AF-5S-U-W3*
6S	4	110	82	18	17	M12	AF-6S-M-W2
		4.33	3.23	.71	.67	7/16-14 UNC	AF-6S-U-W3*
7S	5	144	110	24	22	M16	AF-7S-M-W2
		5.67	4.33	.94	.87	5/8-11 UNC	AF-7S-U-W3*
8S	6	200	150	30	27	M20	AF-8S-M-W2
		7.87	5.91	1.18	1.06	3/4-10 UNC	AF-8S-U-W1*
9S	7	240	180	50	30	M24	AF-9S-M-W2
		9.45	7.09	1.97	1.18	7/8-9 UNC	AF-9S-U-W1*
10S	8	331	256	62	46	M30	AF-10S-M-W2
		13.03	10.08	2.44	1.81	1-1/8-7 UNC	AF-10S-U-W1*

Ordering Codes

Stacking Bolt *AF-*3S-*M-*W2

* Stacking Bolt	AF
* STAUFF Group	3S
* Thread code	Metric ISO thread M
	Unified coarse (UNC) thread U
* Material code	Carbon Steel, uncoated W1
	Carbon Steel, phosphated W2
	Carbon Steel, zinc/nickel-plated W3
	Stainless Steel V2A W4
	1.4301 / 1.4305 (AISI 304 / 303) W4
	Stainless Steel V4A W5
	1.4401 / 1.4571 (AISI 316 / 316 Ti) W5

All threaded parts are available with Metric ISO thread or unified coarse (UNC) thread according to dimension table. Alternative materials and surface finishings are available upon request. Contact STAUFF for further information.

* Standard finishing option for Heavy Series group sizes 3S to 7S in North America is W3 (Carbon Steel, zinc/nickel-plated). Standard finishing option for Heavy Series group sizes 8S to 10S in North America is W1 (Carbon Steel, uncoated).



B



① Type of Installation

Please select the type of installation (e.g. Weld Plates, Rail Nuts etc.) and add the corresponding Code to position ① of the order code for your clamp assembly.

Without Installation Equipment
Code: **none**

Installation on Weld Plate

Weld Plate for Single Clamps
Code: **SPAL**

Weld Plate for Double Clamps
Code: **SPAS**

Elongated Weld Plate for Single Clamps
Code: **SPAL-DUEB**

Elongated Weld Plate for Double Clamps
Code: **SPAS-DUEB**

Installation on Mounting / Channel Rail

Mounting Rail Nut
Code: **GMV** (for STAUFF Group 3S to 6S only)

Channel Rail Adaptor
Code: **CRA** (for STAUFF Group 3S to 6S only)

② Group Size & Diameter

Please select the required group size and diameter and add the corresponding Code to position ② of the order code for your clamp assembly.

Group STAUFF (DIN)	Outside Diameter P / T / H (mm)	Availability of Clamp Body Materials & Designs Profiled			Code
		Design	Type H	Type RI	
3S (1)	6	●	●	○	3006
	6,4	●	●	○	3006.4
	8	●	●	○	3008
	9,5	●	●	○	3009.5
	10	●	●	○	3010
	12	●	●	○	3012
	12,7	●	●	○	3012.7
	13,5	●	●	○	3013.5
	14	●	●	○	3014
	15	●	●	○	3015
	16	●	●	○	3016
	17,2	●	●	○	3017.2
	18	●	●	○	3018
	20	●	○	○	3020

② Group Size & Diameter CONTINUATION

Group STAUFF (DIN)	Outside Diameter P / T / H (mm)	Availability of Clamp Body Materials & Designs Profiled			Code
		Design	Type H	Type RI	
4S (2)	6	○	○	●	4006
	8	○	○	●	4008
	10	○	○	●	4010
	12	○	○	●	4012
	12,7	○	○	●	4012.7
	14	○	○	●	4014
	15	○	○	●	4015
	16	○	○	●	4016
	17,2	○	○	●	4017.2
	18	○	○	●	4018
	19	●	●	●	4019
	20	●	●	○	4020
	21,3	●	●	○	4021.3
	22	●	●	○	4022
5S (3)	25	●	●	○	4025
	25,4	●	●	○	4025.4
	26,9	●	●	○	4026.9
	28	●	●	○	4028
	30	●	●	○	4030
	20	○	○	●	5020
	21,3	○	○	●	5021.3
	22	○	○	●	5022
	25	○	○	●	5025
	26,9	○	○	●	5026.9
	28	○	○	●	5028
	30	●	●	●	5030
	32	●	●	●	5032
	33,7	●	●	○	5033.7
35	●	●	○	5035	
38	●	●	○	5038	
40	●	●	○	5040	
41,3	●	●	○	5041.3	
42	●	●	○	5042	
6S (4)	32	○	○	●	6032
	33,7	○	○	●	6033.7
	35	○	○	●	6035
	38	●	●	○	6038
	38,7	○	○	●	6038.7
	40	○	○	●	6040
	42	●	●	●	6042
	44,5	●	●	○	6044.5
	45,5	○	○	●	6045.5
	48	○	○	●	6048
	48,3	●	●	○	6048.3
	50,8	●	●	○	6050.8
	51	○	○	●	6051
	53,4	○	○	●	6053.4
54	●	○	○	6054	

② Group Size & Diameter CONTINUATION

Group STAUFF (DIN)	Outside Diameter P / T / H (mm)	Availability of Clamp Body Materials & Designs Profiled			Code
		Design	Type H	Type RI	
6S (4)	55	●	●	○	6055
	56,4	○	○	●	6056.4
	57	●	●	○	6057
	57,2	●	●	○	6057.2
	60,3	●	●	○	6060.3
	63,5	●	●	○	6063.5
	65	●	●	○	6065
	70	●	●	○	6070
7S (5)	55	○	○	●	7055
	57	○	○	●	7057
	60	○	○	●	7060
	60,3	●	○	○	7060.3
	63,5	○	○	●	7063.5
	65	●	○	●	7065
	70	●	○	●	7070
	72	○	○	●	7072
	73	●	○	○	7073
	75	●	○	○	7075
8S (6)	76	○	○	●	7076
	76,1	●	○	○	7076.1
	80	○	○	○	7080
	82,5	●	○	○	7082.5
	88,9	●	○	○	7088.9
	80	○	○	●	8080
	88,9	●	○	●	8088.9
	100	●	○	○	8100
	102	●	○	●	8102
	108	●	○	○	8108
9S (7)	114	●	○	○	8114
	127	●	○	○	8127
	133	●	○	○	8133
	114	○	○	●	9114
	127	●	○	○	9127
	133	●	○	●	9133
	140	●	○	●	9140
	152	●	○	○	9152
	159	●	○	○	9159
	165	●	○	○	9165
10S (8)	168	●	○	○	9168
	150	○	○	●	10150
	165	○	○	●	10165
	168	●	○	●	10168
	172	○	○	●	10172
	177,8	●	○	○	10177.8
	193,7	●	○	○	10193.7
	203	●	○	○	10203
	216	●	○	○	10216
	219	●	○	○	10219
11S (9)	219	●	○	○	11219
	273	●	○	○	11273
	324	●	○	○	11324
12S (10)	356	●	○	○	12356
	406	●	○	○	12406

● Standard Option



Please see pages 50 and 51 with detailed order examples for some of the most popular Heavy Series clamp assemblies.

③ Clamp Body Design & Material

Please select the design and material of your clamp body and add the corresponding **Code** to position ③ of the order code for your clamp assembly.

Please check the availability of the selected clamp body design and material according to the matrix table in ②.

Profiled Design

Polypropylene
Code: **PP**

Polypropylene (Colour: Black)
Code: **PP-BK**

Polyamide
Code: **PA**

Thermoplastic Elastomer (87 Shore-A)
Code: **SA** (for STAUFF Group 3S to 6S only)

Aluminium
Code: **AL**

Type H (Smooth)

Polypropylene
Code: **PP-H** (for STAUFF Group 3S to 6S only)

Polypropylene (Colour: Black; 3S to 6S only)
Code: **PP-H-BK**

Polyamide
Code: **PA-H** (for STAUFF Group 3S to 6S only)

Thermoplastic Elastomer (87 Shore-A)
Code: **SA-H** (for STAUFF Group 3S to 6S only)

Type RI (with Elastomer Insert)

Polypropylene
Code: **PP-R** (for STAUFF Group 4S to 10S only)

Polyamide
Code: **PA-R** (for STAUFF Group 4S to 10S only)

See pages 154 / 155 for material properties and technical information.

Please contact STAUFF for further details on fire-proof clamp body materials, tested and approved according to several international fire-protection standards.

④ Mounting & Fitting Combination

Please select the mounting and fitting combination (e.g. bolts, screws, cover plates etc.) and add the corresponding **Code** to position ④ of the order code for your clamp assembly.

Installation with Cover Plate and Bolts

Cover Plate for Single Clamps DPAL with Hexagon Head Bolts AS
Code: **DPAL-AS**

Cover Plate for Double Clamps DPAS with Hexagon Head Bolts AS
Code: **DPAS-AS**

Cover Plate for Single Clamps DPAL with Socket Cap Screws IS*
Code: **DPAL-IS** (for STAUFF Group 3S to 6S only)

Installation with Locking Plate and Bolts

Safety Locking Plate SIP with Stacking Bolts AF
Code: **SIP-AF**

Installation with Bolts only

Socket Cap Screws IS
Code: **IS**

* Special lengths of Socket Cap Screws IS required. For exact lengths, please see details of Hexagon Head Bolt, type AS (for use with Cover Plates DPAL or DPAS) on page 45.

⑤ Thread Type

Please select the required thread type and add the corresponding **Code** to position ⑤ of the order code for your clamp assembly.

Metric ISO thread
Code: **M**

Unified coarse (UNC) thread
Code: **U**

All threaded parts are available with Metric ISO thread or unified coarse (UNC) thread according to dimension table.

⑥ Material & Surface Finishing

Please select the required material & surface finishing of the metal parts and add the corresponding **Code** to position ⑥ of the order code for your clamp assembly.

Metal parts made of Carbon Steel, uncoated **W1**

Metal parts made of Carbon Steel, phosphated **W2**

Metal parts made of Carbon Steel, zinc/nickel-plated **W3**

Metal parts made of Stainless Steel V2A 1.4301 / 1.4305 (AISI 304 / 303) **W4**

Metal parts made of Stainless Steel V4A 1.4401 / 1.4571 (AISI 316 / 316 Ti) **W5**

Weld Plate made of Carbon Steel, phosphated; Other metal parts made of Carbon Steel, zinc/nickel-plated **W10**

Weld Plate and Cover Plate made of Carbon Steel, phosphated; Bolts made of Carbon Steel, uncoated **W12**

Mounting Rail Nuts made of Carbon Steel, zinc/nickel-plated; Cover Plate made of Carbon Steel, phosphated; Bolts made of Carbon Steel, uncoated **W13**

Weld Plate / Cover Plate made of Carbon Steel, phosphated; Bolts made of Carbon Steel, zinc/nickel-plated **W15**

Mounting Rail Nuts made of Carbon Steel, zinc/nickel-plated; Cover Plate made of Carbon Steel, phosphated; Bolts made of Carbon Steel, zinc/nickel-plated **W16**

Safety Locking Plate made of Carbon Steel, phosphated; Stacking Bolts made of Carbon Steel, zinc/nickel-plated **W17**

Safety Locking Plate made of Carbon Steel, uncoated; Stacking Bolts made of Carbon Steel, phosphated **W18**

Cover Plate made of Carbon Steel, phosphated; Bolts made of Carbon Steel, uncoated **W19**

Individual combinations of alternative materials and surface finishings are available upon request. Contact STAUFF for further information.

⑦ Assembling & Kitting

If required, please select an additional assembling and kitting option and add the corresponding **Code** to the last position of the order code for your clamp assembly.

Components supplied separately
Code: **none** (standard option)

Components assembled
Code: **A** (special option)

Components packed in kits
Code: **K** (special option)



B



- 2x **Hexagon Head Bolt**
Surface: W1
Thread: Metric
- 1x **Cover Plate for Single Clamps**
Surface: W2
- 1x **Clamp Body** (two halves)
STAUFF Group 3S (DIN 1)
O.D. 6 mm / .24 in
Material: Polypropylene
Profiled inside surface with tension clearance
- 1x **Weld Plate for Single Clamps**
Surface: W2
Thread: Metric

Order Code

SPAL-3006-PP-DPAL-AS-M-W12

W12 (STAUFF Group 3S to 7S) and W1 (STAUFF Group 8S to 12S) are the standard options for this type of installation.



- 4x **Hexagon Head Bolt**
Surface: W1
Thread: Metric
- 1x **Cover Plate for Double Clamps**
Surface: W2
- 2x **Clamp Body** (four halves)
STAUFF Group 3S (DIN 1)
O.D. 6 mm / .24 in
Material: Polypropylene
Profiled inside surface with tension clearance
- 1x **Weld Plate for Double Clamps**
Surface: W2
Thread: Metric

Order Code

SPAS-3006-PP-DPAS-AS-M-W12

W12 (STAUFF Group 3S to 7S) and W1 (STAUFF Group 8S to 12S) are the standard options for this type of installation.



- 2x **Hexagon Head Bolt**
Surface: W1
Thread: Metric
- 1x **Cover Plate for Single Clamps**
Surface: W2
- 1x **Clamp Body** (two halves)
STAUFF Group 3S (DIN 1)
O.D. 6 mm / .24 in
Material: Polypropylene
Profiled inside surface with tension clearance
- 1x **Elongated Weld Plate for Single Clamps**
Surface: W2
Thread: Metric

Order Code

SPAL-DUEB-3006-PP-DPAL-AS-M-W12

W12 (STAUFF Group 3S to 7S) and W1 (STAUFF Group 8S to 12S) are the standard options for this type of installation.



- 4x **Hexagon Head Bolt**
Surface: W1
Thread: Metric
- 1x **Cover Plate for Double Clamps**
Surface: W2
- 2x **Clamp Body** (four halves)
STAUFF Group 3S (DIN 1)
O.D. 6 mm / .24 in
Material: Polypropylene
Profiled inside surface with tension clearance
- 1x **Elongated Weld Plate for Double Clamps**
Surface: W2
Thread: Metric

Order Code

SPAS-DUEB-3006-PP-DPAS-AS-M-W12

W12 (STAUFF Group 3S to 7S) and W1 (STAUFF Group 8S to 12S) are the standard options for this type of installation.



- 2x **Socket Cap Screw**
Surface: W1
Thread: Metric
- 1x **Clamp Body** (two halves)
STAUFF Group 3S (DIN 1)
O.D. 6 mm / .24 in
Material: Polypropylene
Profiled inside surface with tension clearance
- 1x **Weld Plate for Single Clamps**
Surface: W2
Thread: Metric

Order Code

SPAL-3006-PP-IS-M-W12

W12 is the standard option for this type of installation. Available up to STAUFF Group 6S (DIN Group 4) only.



- 2x **Socket Cap Screw**
Surface: W1
Thread: Metric
- 1x **Clamp Body** (two halves)
STAUFF Group 3S (DIN 1)
O.D. 6 mm / .24 in
Material: Polypropylene
Profiled inside surface with tension clearance
- 1x **Elongated Weld Plate for Single Clamps**
Surface: W2
Thread: Metric

Order Code

SPAL-DUEB-3006-PP-IS-M-W12

W12 is the standard option for this type of installation. Available up to STAUFF Group 6S (DIN Group 4) only.





- 2x **Hexagon Head Bolt**
Surface: W1
Thread: Metric
- 1x **Cover Plate for Single Clamps**
Surface: W2
- 1x **Clamp Body** (two halves)
STAUFF Group 3S (DIN 1)
O.D. 6 mm / .24 in
Material: Polypropylene
Profiled inside surface with tension clearance
- 2x **Mounting Rail Nut**
Surface: W3
Thread: Metric

Order Code (Mounting Rail STSV not included.)

GMV-3006-PP-DPAL-AS-M-W13

W13 is the standard option for this type of installation. Available up to STAUFF Group 6S (DIN Group 4) only.



- 2x **Socket Cap Screw**
Surface: W1
Thread: Metric
- 1x **Clamp Body** (two halves)
STAUFF Group 3S (DIN 1)
O.D. 6 mm / .24 in
Material: Polypropylene
Profiled inside surface with tension clearance
- 2x **Mounting Rail Nut**
Surface: W3
Thread: Metric

Order Code (Mounting Rail STSV not included.)

GMV-3006-PP-IS-M-W13

W13 is the standard option for this type of installation. Available up to STAUFF Group 6S (DIN Group 4) only.



- 2x **Hexagon Head Bolt**
Surface: W1
Thread: Metric
- 1x **Cover Plate for Single Clamps**
Surface: W2
- 1x **Clamp Body** (two halves)
STAUFF Group 3S (DIN 1)
O.D. 6 mm / .24 in
Material: Polypropylene
Profiled inside surface with tension clearance

Order Code

3006-PP-DPAL-AS-M-W19

W19 (STAUFF Group 3S to 7S) and **W1** (STAUFF Group 8S to 12S) are the standard options for this type of installation.



- 2x **Stacking Bolt**
Surface: W2
Thread: Metric
- 1x **Safety Locking Plate**
Surface: W2
- 1x **Clamp Body** (two halves)
STAUFF Group 3S (DIN 1)
O.D. 6 mm / .24 in
Material: Polypropylene
Profiled inside surface with tension clearance

Order Code

3006-PP-SIP-AF-M-W2

W2 (STAUFF Group 3S to 7S) and **W18** (STAUFF Group 8S to 10S) are the standard options for this type of installation. Available up to STAUFF Group 10S (DIN Group 8) only.

Thread codes

All threaded parts are available with Metric ISO thread or unified coarse (UNC) thread according to dimension table.

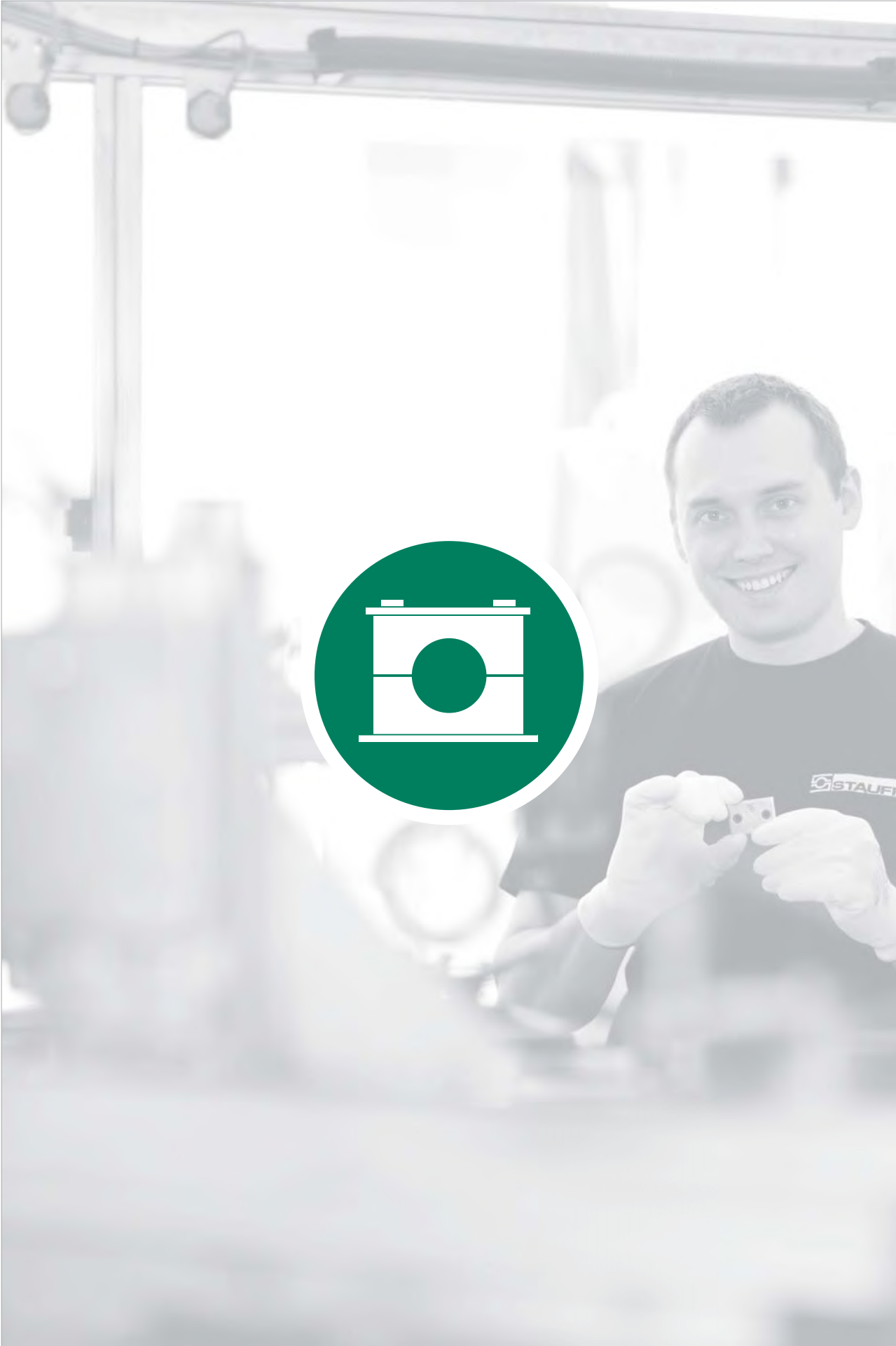
Metric ISO thread	M
Unified coarse (UNC) thread	U

Material codes

The below listed material codes describe the materials and surface finishings of metal parts that are most relevant for Heavy Series clamp assemblies. Individual combinations of alternative materials and surface finishings are available upon request. Contact STAUFF for further information.

Metal parts made of Carbon Steel, uncoated	W1
Metal parts made of Carbon Steel, phosphated	W2
Metal parts made of Carbon Steel, zinc/nickel-plated	W3
Metal parts made of Stainless Steel V2A: 1.4301 / 1.4305 (AISI 304 / 303)	W4
Metal parts made of Stainless Steel V4A: 1.4401 / 1.4571 (AISI 316 / 316 Ti)	W5
Weld Plate made of Carbon Steel, phosphated;	
Other metal parts made of Carbon Steel, zinc/nickel-plated	W10
Weld Plate and Cover Plate made of Carbon Steel, phosphated;	
Bolts made of Carbon Steel, uncoated	W12
Mounting Rails Nut made of Carbon Steel, zinc/nickel-plated; Cover Plate made of Carbon Steel, phosphated; Bolts made of Carbon Steel, uncoated	W13
Weld Plate and Cover Plate made of Carbon Steel, phosphated;	
Bolts made of Carbon Steel, zinc/nickel-plated	W15
Mounting Rail Nuts made of Carbon Steel, zinc/nickel-plated; Cover Plate made of Carbon Steel, phosphated; Bolts made of Carbon Steel, zinc/nickel-plated	W16
Safety Locking Plate made of Carbon Steel, phosphated;	
Bolts made of Carbon Steel, zinc/nickel-plated	W17
Safety Locking Plate made of Carbon Steel, uncoated;	
Bolts made of Carbon Steel, phosphated	W18
Cover Plate made of Carbon Steel, phosphated;	
Bolts made of Carbon Steel, uncoated	W19







Clamp Body
Profiled Inside Surface with Tension Clearance

54



Clamp Body
Smooth Inside Surface without Tension Clearance

54



Single Weld Plate
SP

55



Group Weld Plate
RAP

55



Hexagon Rail Nut
SM / SMG

56



Mounting Rail
TS

56



Channel Rail Adaptor
CRA

57



Cover Plate
GD

58



Hexagon Head Bolt
AS

58



Socket Cap Screw
IS

59



Safety Locking Plate
SI

60



Safety Locking Plate
SIV

60



Stacking Bolt
AF

61

Clamp Assemblies

62

C

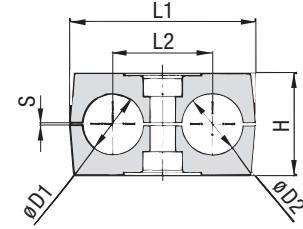


Clamp Body - Profiled Design

Profiled Inside Surface with Tension Clearance

Clamp Body - Type H

Smooth Inside Surface w/o Tension Clearance



C

Ordering Codes

Clamp Body

***1*06/06*-PP**

One clamp body is consisting of two clamp halves.

- * 1st Part of STAUFF Group **1**
- * Exact outside diameters Ø D1 / Ø D2 (mm) **06/06**
- * Material code (see below) **PP**

Designs & Standard Materials



Polypropylene - Profiled Design

Profiled inside surface with tension clearance
Colour: Green
Material code: **PP**



Polypropylene - Profiled Design

Profiled inside surface with tension clearance
Colour: Black
Material code: **PP-BK**



Polypropylene - Type H

Smooth inside surface without tension clearance
Colour: Green
Material code: **PP-H**



Polypropylene - Type H

Smooth inside surface without tension clearance
Colour: Black
Material code: **PP-H-BK**



Polyamide - Profiled Design

Profiled inside surface with tension clearance
Colour: Black
Material code: **PA**



Polyamide - Type H

Smooth inside surface without tension clearance
Colour: Black
Material code: **PA-H**

See pages 154 / 155 for properties and technical information.

Special Materials

Please contact STAUFF for further details on fire-proof clamp body materials, tested and approved according to several international fire-protection standards (such as BS 6853, EN 45545-2, UL 94 and many more).

See pages 156 / 157 for material properties and technical information.

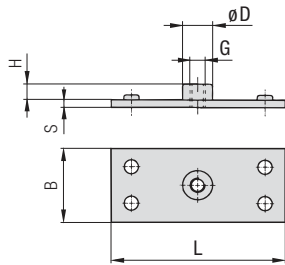
Product Features

- Proven, tested and trusted product in various markets
- Profiled design recommended for the safe installation of rigid pipes and tubes; type H recommended for the safe installation of hoses and cables
- Available for all commonly used pipe and tube outside diameters
- Environmental protection due to vibration/noise reducing design
- Excellent weathering resistance, even under extreme conditions

Group	STAUFF	DIN	Outside Diameter		Nominal Bore	Ordering Codes	Dimensions (mm/in)											
			Pipe / Tube / Hose	Pipe			Copper Tube	(2 Clamp Halves)	L1	L2	H	S min.	Type H	Width				
			Ø D1 / Ø D2	(mm)	(in)	(in)	(in)	(**-* = Material)										
1D	1		6					106/06-**-*										
			6,4	1/4				106.4/06.4-**-*										
			8	5/16					108/08-**-*	36	20	27	0,6	26,5	30			
			9,5	3/8		1/4			109.5/09.5-**-*	1.42	.79	1.06	.02	1.04	1.18			
			10		1/8				110/10-**-*									
2D	2		12					112/12-**-*										
			12,7	1/2		3/8		212.7/12.7-**-*										
			13,5		1/4				213.5/13.5-**-*									
			14						214/14-**-*									
			15						215/15-**-*	53	29	27	0,7	26	30			
3D	3		16	5/8		1/2		216/16-**-*	2.09	1.14	1.06	.03	1.02	1.18				
			17,2		3/8			217.2/17.2-**-*										
			18						218/18-**-*									
			19	3/4					319/19-**-*									
			20						320/20-**-*									
4D	4		21,3		1/2			321.3/21.3-**-*	67	36	37	0,7	36,5	30				
			22	7/8		3/4		322/22-**-*	2.64	1.42	1.46	.03	1.44	1.18				
			25						325/25-**-*									
			25,4	1					325.4/25.4-**-*									
			26,9		3/4				426.9/26.9-**-*	80	45	40	0,7	38	30			
5D	5		28					428/28-**-*	3.15	1.77	1.57	.03	1.46	1.18				
			30					430/30-**-*										
			32	1-1/4					532/32-**-*									
			33,7		1				533.7/33.7-**-*									
			35			1-1/4			535/35-**-*	106	56	53	0,7	52	30			
5D	5		38	1-1/2				538/38-**-*	4.17	2.20	2.09	.03	2.04	1.18				
			40					540/40-**-*										
			42		1-1/4				542/42-**-*									

Additional outside diameters and combinations of different outside diameters are available upon request. Please contact STAUFF for further information.



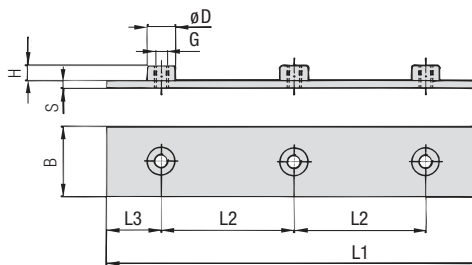
Single Weld Plate
Type SP

C

Group STAUFF	DIN	Dimensions (mm/in)						Thread G	Ordering Codes (Standard Options)
		L	B	S	H	ØD			
1D	1	37	30	3	6,5	12	M6	SP-1D-M-W2	
		1.46	1.18	.12	.26	.47	1/4-20 UNC	SP-1D-U-W2	
2D	2	55	30	5	6	14	M8	SP-2D-M-W2	
		2.17	1.18	.20	.24	.55	5/16-18 UNC	SP-2D-U-W2	
3D	3	70	30	5	6	14	M8	SP-3D-M-W2	
		2.76	1.18	.20	.24	.55	5/16-18 UNC	SP-3D-U-W2	
4D	4	85	30	5	6	14	M8	SP-4D-M-W2	
		3.35	1.18	.20	.24	.55	5/16-18 UNC	SP-4D-U-W2	
5D	5	110	30	5	6	14	M8	SP-5D-M-W2	
		4.33	1.18	.20	.24	.55	5/16-18 UNC	SP-5D-U-W2	

All threaded parts are available with Metric ISO thread or unified coarse (UNC) thread according to dimension table.
Alternative materials and surface finishings are available upon request. Contact STAUFF for further information.

Ordering Codes
Weld Plate
***SP-*1D-*M-*W2**

* Single Weld Plate		SP
* STAUFF Group		1D
* Thread code	Metric ISO thread	M
	Unified coarse (UNC) thread	U
* Material code	Carbon Steel, phosphated	W2
	Carbon Steel, zinc/nickel-plated	W3
	Stainless Steel V2A	W4
	1.4301 / 1.4305 (AISI 304 / 303)	W4
	Stainless Steel V4A	W5
	1.4401 / 1.4571 (AISI 316 / 316 Ti)	W5

 Group Weld Plate
for 5 Clamp Bodies
Type RAP


Group STAUFF	DIN	Dimensions (mm/in)						Thread G	Ordering Codes (Standard Options)	
		L1	L2	L3	B	S	H			ØD
1D	1	196	40	18	30	3	6,5	12	M6	RAP-1D-40-5-M-W1
		7.72	1.57	.71	1.18	.12	.26	.47	1/4-20 UNC	RAP-1D-40-5-U-W1
2D	2	288	58	28	30	5	6	14	M8	RAP-2D-58-5-M-W1
		11.34	2.28	1.10	1.18	.20	.24	.55	5/16-18 UNC	RAP-2D-58-5-U-W1
3D	3	358	72	35	30	5	6	14	M8	RAP-3D-72-5-M-W1
		14.09	2.83	1.37	1.18	.20	.24	.55	5/16-18 UNC	RAP-3D-72-5-U-W1
4D	4	444	90	42	30	5	6	14	M8	RAP-4D-90-5-M-W1
		17.48	3.54	1.65	1.18	.20	.24	.55	5/16-18 UNC	RAP-4D-90-5-U-W1
5D	5	558	112	55	30	5	6	14	M8	RAP-5D-112-5-M-W1
		21.97	4.41	2.16	1.18	.20	.24	.55	5/16-18 UNC	RAP-5D-112-5-U-W1

All threaded parts are available with Metric ISO thread or unified coarse (UNC) thread according to dimension table.
Alternative materials and surface finishings are available upon request. Contact STAUFF for further information.

Ordering Codes
Weld Plate
***RAP-*1D-*40-*5-*M-*W1**

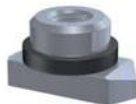
* Group Weld Plate		RAP
* STAUFF Group		1D
* Pipe Center Spacing L2 (mm)		40
* Number of Clamps		5
* Thread code	Metric ISO thread	M
	Unified coarse (UNC) thread	U
* Material code	Carbon Steel, uncoated	W1
	Carbon Steel, phosphated	W2
	Carbon Steel, zinc/nickel-plated	W3
	Stainless Steel V2A	W4
	1.4301 / 1.4305 (AISI 304 / 303)	W4
	Stainless Steel V4A	W5
	1.4401 / 1.4571 (AISI 316 / 316 Ti)	W5



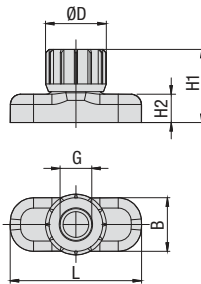
Hexagon Rail Nut (for Use with Mounting Rail TS) Type SM / SMG



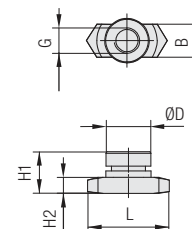
STAUFF Group 1D



STAUFF Group 2D to 5D



STAUFF Group 1D



STAUFF Group 2D to 5D

Ordering Codes

Hexagon Rail Nut *SM-*1-8/1D-*M-*W3

* Hexagon Rail Nut

Carbon Steel **SM**
Stainless Steel **SMG**

* STAUFF Group

1D (DIN Group 1) **1-8/1D**
2D to 5D (DIN Group 2 to 5) **2-5D**

* Thread code

Metric ISO thread **M**
Unified coarse (UNC) thread **U**

* Material code

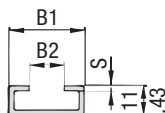
Carbon Steel, zinc/nickel-plated **W3**
Stainless Steel V2A **W4**
1.4301 / 1.4305 (AISI 304 / 303)
Stainless Steel V4A **W5**
1.4401 / 1.4571 (AISI 316 / 316 Ti)

Group STAUFF	DIN	Dimensions (mm/in)						Ordering Codes (Standard Options)
		Thread G	L	B	H1	H2	ØD	
1D	1	M6	25,5	10,4	14,2	5,5	12	SM-1-8/1D-M-W3
		1/4-20 UNC	1.00	.41	.56	.22	.47	SM-1-8/1D-U-W3
2D	2							
3D	3	M8	25,5	10,4	13	5	14	SM-2-5D-M-W3
		5/16-18 UNC	1.00	.41	.51	.20	.55	SM-2-5D-U-W3
4D	4							
5D	5							

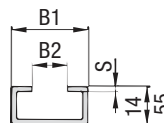
The Hexagon Rail Nut, type SM-1-8/1D is also suitable for Standard Series, STAUFF Group 1 to 8.

All threaded parts are available with Metric ISO thread or unified coarse (UNC) thread according to dimension table. Alternative materials and surface finishings are available upon request. Contact STAUFF for further information.

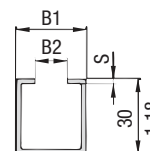
Mounting Rail (for Use with Hexagon Rail Nut SM / SMG) Type TS



Mounting Rail TS-11



Mounting Rail TS-14



Mounting Rail TS-30

Ordering Codes

Mounting Rail *TS-*11-*1M-*W1

* Mounting Rail

TS

* Height of rail

11 mm / .43 in **11**
14 mm / .55 in **14**
30 mm / 1.18 in **30**

* Length of rail

1 m / 3.28 ft **1M**
2 m / 6.56 ft **2M**

Alternative lengths available upon request. Contact STAUFF for further information.

* Material code

Carbon Steel, uncoated **W1**
Carbon Steel, hot-dip galvanised **W98**
Stainless Steel V2A **W4**
1.4301 / 1.4305 (AISI 304 / 303)
Stainless Steel V4A **W5**
1.4401 / 1.4571 (AISI 316 / 316 Ti)

Group STAUFF	DIN	Dimensions (mm/in)			Ordering Codes (Standard Options)	
		B1	B2	S	Length of Rail: 1 m / 3.28ft	Length of Rail: 2 m / 6.56ft
1D	1				Height 11 mm / .43 in TS-11-1M-W1	Height 11 mm / .43 in TS-11-2M-W1
2D	2					
3D	3	28	11	2	Height 14 mm / .55 in TS-14-1M-W1	Height 14 mm / .55 in TS-14-2M-W1
		1.10	.43			
4D	4					
5D	5				Height 30 mm / 1.18 in TS-30-1M-W1	Height 30 mm / 1.18 in TS-30-2M-W1

Mounting Rails, type TS-11/14/30 are suitable for all Twin Series and Standard Series group sizes.

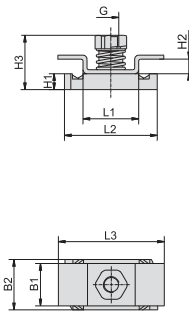
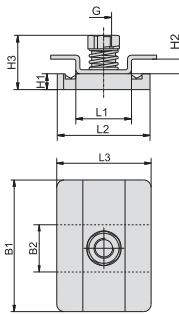
Alternative materials and surface finishings are available upon request. Contact STAUFF for further information.

Dimensional drawings: All dimensions in mm (in).



Channel Rail Adaptor

(for Use with Various Channel Rails)

Type CRA

STAUFF Group 1D

STAUFF Group 2-3D / 4-5D

C

Group	STAUFF	DIN	Dimensions (mm/in)									Ordering Codes (Standard Options)
			Thread G	L1	L2	L3	B1	B2	H1	H2	H3	
1D	1	M6	21	35	40	16	19	6	5,5	20,5	CRA-1-8/1D-M-W3	
		1/4-20 UNC	.83	1.38	1.57	.63	.75	.24	.22	.81	CRA-1-8/1D-U-W3	
2D	2	M8	21	35	38	53	19	9	5,5	23,5	CRA-2-3D-M-W3	
		5/16-18 UNC	.83	1.38	1.50	2.09	.75	.35	.22	.93	CRA-2-3D-U-W3	
3D	3											
4D	4											
5D	5	M8	21	35	38	80	19	9	5,5	23,5	CRA-4-5D-M-W3	
		5/16-18 UNC	.83	1.38	1.50	3.15	.75	.3	.22	.93	CRA-4-5D-U-W3	

Ordering Codes
Adaptor *CRA-*1-8/1D-*M-*W3

* Channel Rail Adaptor		CRA
* STAUFF Group	1D (DIN Group 1)	1-8/1D
	2D to 3D (DIN Group 2 to 3)	2-3D
	4D to 5D (DIN Group 4 to 5)	4-5D
* Thread code	Metric ISO thread	M
	Unified coarse (UNC) thread	U
* Material code	Carbon Steel, zinc/nickel-plated	W3
	Stainless Steel V4A	W5
	1.4401 / 1.4571 (AISI 316 / 316 Ti)	

The Channel Rail Adaptor, type CRA 1-8/1D is also suitable for Standard Series, STAUFF Group 1 to 8.

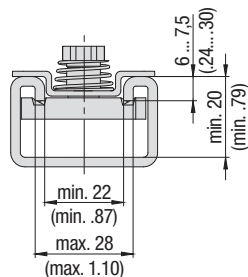
All threaded parts are available with Metric ISO thread or unified coarse (UNC) thread according to dimension table. Alternative materials and surface finishings are available upon request. Contact STAUFF for further information.


Compatibility with Channel Rails

The STAUFF Channel Rail Adaptor, type CRA, is suitable for various channel rails, including the following types:

HALFEN	HILTI	UNISTRUT®	STAUFF (Cushion Clamp Series)
HM 41/41	MQ-21, MQ-41, MQ-52, MQ-72	P1000, P1000T, P1000V, P1000VT, P1001	SCS-048-1-PL, SCS-048-1-GR
HZA 41/22	MQ-21U, MQ-41U, MQ-72U	P2000, P2000T	SCS-120-1-PL, SCS-120-1-GR
HZM 41/41	MQ-21D, MQ-41D, MQ-52-72D	P3003, P3003T, P3300V, P3300VT, P3301	See page 149 for technical information.
HZM 41/22		P4000, P4000T	
HL 41/41, HL 41/B2		P5000, P5000T, P5001, P5500, P5500T, P5501	

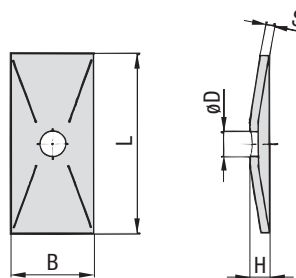
Contact STAUFF to check compatibility with additional types of channel rails.


Basic dimensional requirements for channel rails to be used with STAUFF Channel Rail Adaptors, type CRA

Dimensional drawings: All dimensions in mm (in).



Cover Plate Type GD



C

Ordering Codes

Cover Plate

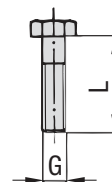
*GD-*1D-*W3

* Cover Plate		GD
* STAUFF Group		1D
* Material code	Carbon Steel, zinc/nickel-plated	W3
	Stainless Steel V2A	W4
	1.4301 / 1.4305 (AISI 304 / 303)	
	Stainless Steel V4A	W5
	1.4401 / 1.4571 (AISI 316 / 316 Ti)	

Group STAUFF	DIN	Dimensions (mm/in)					Ordering Codes (Standard Options)
		L	B	H	S	ØD	
1D	1	34	30	7	3	7	GD-1D-W3
		1.34	1.18	.28	.12	.28	
2D	2	52	30	7	3	9	GD-2D-W3
		2.05	1.18	.28	.12	.35	
3D	3	65	30	7	3	9	GD-3D-W3
		2.56	1.18	.28	.12	.35	
4D	4	79	30	7	3	9	GD-4D-W3
		3.11	1.18	.28	.12	.35	
5D	5	102	30	7	3	9	GD-5D-W3
		4.02	1.18	.28	.12	.35	

Alternative materials and surface finishings are available upon request. Contact STAUFF for further information.

Hexagon Head Bolt Type AS



Hexagon Head Bolt AS
(according to DIN 931 / 933 or ANSI / ASME B18.2.1.)
Dimensions applicable only when used with Cover Plate GD

Ordering Codes

Hexagon Head Bolt

*AS-*M8x35-*W3

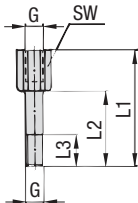
* Type of bolt	Hexagon Head Bolt (according to DIN 931 / 933 or ANSI / ASME B18.2.1.)	AS
* Thread type and size acc. to dimension table		M8x35
* Material code	Carbon Steel, zinc/nickel-plated	W3
	Stainless Steel V2A	W4
	1.4301 / 1.4305 (AISI 304 / 303)	
	Stainless Steel V4A	W5
	1.4401 / 1.4571 (AISI 316 / 316 Ti)	

Group STAUFF	DIN	Dimensions (mm/in)		Ordering Codes (Standard Options)
		Thread	G x L	
1D	1	M6 x 35		AS-M6x35-W3
		1/4-20 UNC x 1-3/8		AS-1/4-20UNCx1-3/8-W3
2D	2	M8 x 35		AS-M8x35-W3
		5/16-18 UNC x 1-3/8		AS-5/16-18UNCx1-3/8-W3
3D	3	M8 x 45		AS-M8x45-W3
		5/16-18 UNC x 1-3/4		AS-5/16-18UNCx1-3/4-W3
4D	4	M8 x 50		AS-M8x50-W3
		5/16-18 UNC x 2		AS-5/16-18UNCx2-W3
5D	5	M8 x 60		AS-M8x60-W3
		5/16-18 UNC x 2-1/2		AS-5/16-18UNCx2-1/2-W3

All threaded parts are available with Metric ISO thread or unified coarse (UNC) thread according to dimension table.
Alternative materials and surface finishings are available upon request. Contact STAUFF for further information.



Stacking Bolt
(for Use with Safety Locking Plates SI / SIV) **Type AF**



C

Group STAUFF	DIN	Dimensions (mm/in)					Ordering Codes (Standard Options)
		Thread G	L1	L2	L3 min.	Hex	
1D	1	M6	34	20	12	11	AF-1D-M-W3
		1/4-20 UNC	1.33	.78	.47	.43	AF-1D-U-W3
2D	2	M8	33	20	12	12	AF-2D-M-W3
		5/16-18 UNC	1.30	.78	.47	.47	AF-2D-U-W3
3D	3	M8	44	29	12	12	AF-3D-M-W3
		5/16-18 UNC	1.73	1.14	.47	.47	AF-3D-U-W3
4D	4	M8	49	34	12	12	AF-4D-M-W3
		5/16-18 UNC	1.92	1.33	.47	.47	AF-4D-U-W3
5D	5	M8	61	46	12	12	AF-5D-M-W3
		5/16-18 UNC	2.40	1.81	.47	.47	AF-5D-U-W3

Ordering Codes

Stacking Bolt ***AF-*1D-*M-*W3**

- * Stacking Bolt **AF**
- * STAUFF Group **1D**
- * Thread code Metric ISO thread **M**
 Unified coarse (UNC) thread **U**
- * Material code Carbon Steel, zinc/nickel-plated **W3**
 Stainless Steel V2A **W4**
 1.4301 / 1.4305 (AISI 304 / 303)
 Stainless Steel V4A **W5**
 1.4401 / 1.4571 (AISI 316 / 316 Ti)

All threaded parts are available with Metric ISO thread or unified coarse (UNC) thread according to dimension table. Alternative materials and surface finishings are available upon request. Contact STAUFF for further information.



SP - 106/06 - PP - GD-AS - M - W10 - K

1 2 3 4 5 6 7

Please see page 63 with detailed order examples for some of the most popular Twin Series clamp assemblies.

C

① Type of Installation

Please select the type of installation (e.g. weld plates, rail nuts, etc.) and add the corresponding **Code** to position ① of the order code for your clamp assembly.

Without Installation Equipment
Code: **none**

Installation on Weld Plate

Single Weld Plate
Code: **SP**

Group Weld Plate
Code: **RAP**

Installation on Mounting / Channel Rail

Mounting Rail Nut
Code: **SM** (Carbon Steel)
Code: **SMG** (Stainless Steel)

Channel Rail Adaptor
Code: **CRA**

② Group Size & Diameters

Please select the required group size and diameter and add the corresponding **Code** to position ② of the order code for your clamp assembly.

Group	Outside Diameter	Availability of Clamp Body Materials & Designs		Code
		P / T / H (mm)	Type H	
1D (1)	6	●	●	106/06
	6,4	●	●	106.4/06.4
	8	●	●	108/08
	9,5	●	●	109.5/09.5
	10	●	●	110/10
	12	●	●	112/12
2D (2)	12,7	●	●	212.7/12.7
	13,5	●	●	213.5/13.5
	14	●	●	214/14
	15	●	●	215/15
	16	●	●	216/16
	17,2	●	●	217.2/17.2
3D (3)	18	●	●	218/18
	19	●	●	319/19
	20	●	●	320/20
	21,3	●	●	321.3/21.3
	22	●	●	322/22
	25	●	●	325/25
4D (4)	25,4	●	●	325.4/25.4
	26,9	●	●	426.9/26.9
	28	●	●	428/28
	30	●	●	430/30
	32	●	●	532/32
	33,7	●	●	533.7/33.7
5D (5)	35	●	●	535/35
	38	●	●	538/38
	40	●	●	540/40
	42	●	●	542/42

● Standard Option

③ Clamp Body Design & Material

Please select the design and material of your clamp body and add the corresponding **Code** to position ③ of the order code for your clamp assembly.

Please check the availability of the selected clamp body design and material according to the matrix table in ②.

Profiled Design

Polypropylene
Code: **PP**

Polypropylene (Colour: Black)
Code: **PP-BK**

Polyamide
Code: **PA**

Type H (Smooth)

Polypropylene
Code: **PP-H**

Polypropylene (Colour: Black)
Code: **PP-H-BK**

Polyamide
Code: **PA-H**

See pages 154 / 155 for material properties and technical information.

Please contact STAUFF for further details on fire-proof clamp body materials, tested and approved according to several international fire-protection standards.

④ Mounting & Fitting Combination

Please select the mounting and fitting combination (e.g. Bolts, Cover Plates, etc.) and add the corresponding **Code** to position ④ of the order code for your clamp assembly.

Installation with Cover Plate and Bolt

Cover Plate GD with
Hexagon Head Bolt AS
Code: **GD-AS**

Cover Plate GD with
Socket Cap Screw IS
Code: **GD-IS**

Installation with Locking Plate and Bolt

Safety Locking Plate SI with
Stacking Bolt AF
Code: **SI-AF**

Safety Locking Plate SIV with
Stacking Bolt AF
Code: **SIV-AF** (for STAUFF Group 1D to 3D only)

⑤ Thread Type

Please select the required thread type and add the corresponding **Code** to position ⑤ of the order code for your clamp assembly.

Metric ISO thread
Code: **M**

Unified coarse (UNC) thread
Code: **U**

All threaded parts are available with Metric ISO thread or unified coarse (UNC) thread according to dimension table.

⑥ Material & Surface Finishing

Please select the required material & surface finishing of the metal parts and add the corresponding **Code** to position ⑥ of the order code for your clamp assembly.

Metal parts made of Carbon Steel, zinc/nickel-plated **W3**

Metal parts made of Stainless Steel V2A
1.4301 / 1.4305 (AISI 304 / 303) **W4**

Metal parts made of Stainless Steel V4A
1.4401 / 1.4571 (AISI 316 / 316 Ti) **W5**

Weld Plate made of Carbon Steel, phosphated; Other metal parts made of Carbon Steel, zinc/nickel-plated **W10**

Individual combinations of alternative materials and surface finishings are available upon request. Contact STAUFF for further information.

⑦ Assembling & Kitting

If required, please select an additional assembling and kitting option and add the corresponding **Code** to the last position of the order code for your clamp assembly.

Components supplied separately
Code: **none** (standard option)

Components assembled
Code: **A** (special option)

Components packed in kits
Code: **K** (special option)





- 1x **Hexagon Head Bolt**
Surface: W3
Thread: Metric
- 1x **Cover Plate**
Surface: W3
- 1x **Clamp Body** (two halves)
STAUFF Group 1D (DIN 1)
both O.D. 6 mm / .24 in
Material: Polypropylene
Profiled inside surface
with tension clearance
- 1x **Weld Plate**
Surface: W2
Thread: Metric

Order Code

SP-106/06-PP-GD-AS-M-W10

W10 is the standard option for this type of installation.



- 1x **Hexagon Head Bolt**
Surface: W3
Thread: Metric
- 1x **Cover Plate**
Surface: W3
- 1x **Clamp Body** (two halves)
STAUFF Group 1D (DIN 1)
both O.D. 6 mm / .24 in
Material: Polypropylene
Profiled inside surface
with tension clearance

Order Code

106/06-PP-GD-AS-M-W3

W3 is the standard option for this type of installation.



- 1x **Stacking Bolt**
Surface: W3
Thread: Metric
- 1x **Safety Locking Plate (Type SI)**
Surface: W3
Thread: Metric
- 1x **Clamp Body** (two halves)
STAUFF Group 1D (DIN 1)
both O.D. 6 mm / .24 in
Material: Polypropylene
Profiled inside surface
with tension clearance

Order Code

106/06-PP-SI-AF-M-W3

W3 is the standard option for this type of installation.



- 1x **Stacking Bolt**
Surface: W3
Thread: Metric
- 1x **Safety Locking Plate (Type SIV)**
Surface: W3
Thread: Metric
- 1x **Clamp Body** (two halves)
STAUFF Group 1D (DIN 1)
both O.D. 6 mm / .24 in
Material: Polypropylene
Profiled inside surface
with tension clearance

Order Code

106/06-PP-SIV-AF-M-W3

W3 is the standard option for this type of installation.
This type of installation is available up to STAUFF Group 3D only.



- 1x **Hexagon Head Bolt**
Surface: W3
Thread: Metric
- 1x **Cover Plate**
Surface: W3
- 1x **Clamp Body** (two halves)
STAUFF Group 1D (DIN 1)
both O.D. 6 mm / .24 in
Material: Polypropylene
Profiled inside surface
with tension clearance
- 1x **Hexagon Rail Nut**
Surface: W3
Thread: Metric

Order Code (Mounting Rail TS not included.)

SM-106/06-PP-GD-AS-M-W3

W3 is the standard option for this type of installation.

Thread Codes

All threaded parts are available with Metric ISO thread or unified coarse (UNC) thread according to dimension table.

Metric ISO thread	M
Unified coarse (UNC) thread	U

Material Codes

The below listed material codes describe the materials and surface finishings of metal parts that are most relevant for Twin Series clamp assemblies. Individual combinations of alternative materials and surface finishings are available upon request. Contact STAUFF for further information.

Metal parts made of Carbon Steel, zinc/nickel-plated	W3
Metal parts made of Stainless Steel V2A: 1.4301 / 1.4305 (AISI 304 / 303)	W4
Metal parts made of Stainless Steel V4A: 1.4401 / 1.4571 (AISI 316 / 316 Ti)	W5
Weld Plate made of Carbon Steel, phosphated	W10
Other metal parts made of Carbon Steel, zinc/nickel-plated	W10

C

