



Clamp Body
Profiled Inside Surface with Tension Clearance — 36



Clamp Body
Smooth Inside Surface without Tension Clearance — 38



Clamp Body with Elastomer Insert — 39



Weld Plate for Single Clamps
SPAL — 40



Weld Plate for Double Clamps
SPAS — 40



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

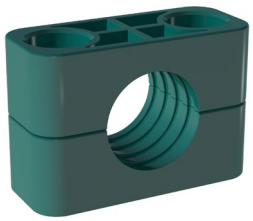
Clamp Assemblies — 48

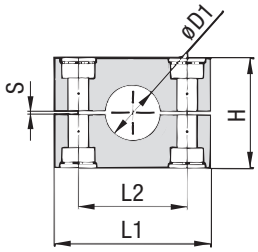
B

B

Clamp Body ▪ Profiled Design

Profiled Inside Surface with Tension Clearance





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

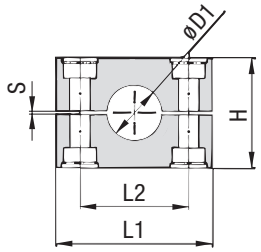
Group STAUFF	Group DIN	Outside Diameter Pipe / Tube Ø D1 (mm)	Outside Diameter Pipe / Tube Ø D1 (in)	Nominal Bore Pipe (in)	Nominal Bore Copper Tube ASTM B88 (in)	Ordering Codes (2 Clamp Halves) (** = Material)	Dimensions (mm/in) L1 PP/PA/SA	L1 AL	L2	H	S min.	Width
3S	1	6				3006-**						
		6,4	1/4			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-**						
		25				4025-**	70	70	45	48	0,6	30,5
		25,4	1			4025.4-**	2.76	2.76	1.77	1.89	.02	1.20
		26,9		3/4		4026.9-**						
		28				4028-**						
		30				4030-**						
5S	3	30				5030-**						
		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-**						
6S	4	38	1-1/2			6038-**						
		42		1-1/4		6042-**						
		44,5	1-3/4			6044.5-**						
		48,3		1-1/2		6048.3-**						
		50,8	2			6050.8-**						
		54			2	6054-**						
		55				6055-**	115	120	90	89	2	45
		57				6057-**	4.53	4.72	3.54	3.50	.08	1.77
		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-**						

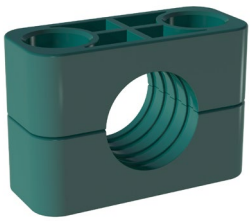
See page 37 for STAUFF Group 7S to 12S (DIN Group 5 to 10).

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 STAUFF	Group DIN	Outside Diameter Pipe / Tube Ø D1 (mm)	Outside Diameter Pipe / Tube Ø D1 (in)	Nominal Bore Pipe (in)	Ordering Codes (2 Clamp Halves) (** = Material)	Dimensions (mm/in) L1 PP/PA	L1 AL	L2	H	S min.	Width
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-**						
		88,9	3-1/2	3	7088.9-**						
8S	6	88,9	3-1/2	3	8088.9-**	206 8.11	208 8.19	168 6.61	168 6.61	2 .08	80 3.15
		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-**						
		168		6	9168-**						
10S	8	168		6	10168-**	336 13.22	326 12.83	265 10.43	270 10.63	3 .12	120 4.72
		177,8			10177.8-**						
		193,7			10193.7-**						
		203	8		10203-**						
		216			10216-**						
		219		8	10219-**						
11S	9	219		8	11219-**	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-**						

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.

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 pages 156 / 157 for material properties and technical information.

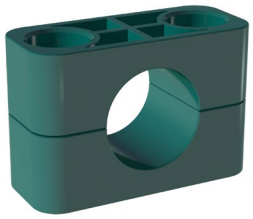
Product Features

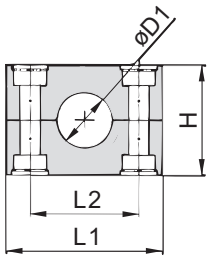
- Proven, tested and trusted product in various markets
- Recommended for the safe installation of rigid pipes and tubes
- Available for all commonly used pipe and tube outside diameters
- Environmental protection due to vibration/noise reducing design
- Excellent weathering resistance, even under extreme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

B

Clamp Body ▪ Type H

Smooth Inside Surface without Tension Clearance





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 Ø 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.

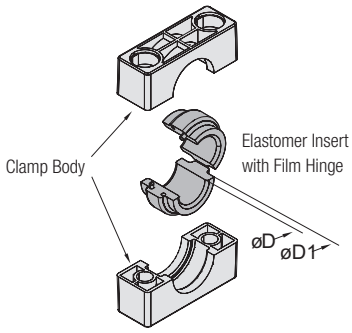
Product Features

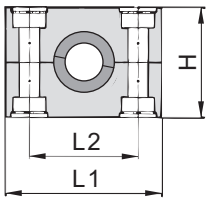
- Proven, tested and trusted product in various markets
- Recommended for the safe installation of hoses and cables
- Chamfered edges avoid damaging of the hose or cable
- Available for all commonly used hose and cable outside diameters
- Excellent weathering resistance, even under extreme conditions

Group STAUFF	Group DIN	Outside Diameter Hose Ø D1 (mm)	(in)	Ordering Codes (2 Clamp Halves) (✱✱-H = Material)	Dimensions (mm/in) L1	L2	H	Width
3S	1	6		3006-✱✱-H	55 2.16	33 1.30	30,5 1.20	30,5 1.20
		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				
4S	2	19	3/4	4019-✱✱-H	70 2.76	45 1.77	46,5 1.83	30,5 1.20
		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				
5S	3	30		5030-✱✱-H	85 3.35	60 2.36	58 2.28	30,5 1.20
		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				
6S	4	38	1-1/2	6038-✱✱-H	115 4.53	90 3.54	87 3.43	45 1.77
		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				

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

Clamp Body with Elastomer Insert Type RI







B

Group STAUFF	Group DIN	Outside Diameter Pipe / Tube / Hose Ø D (mm	(in	Ordering Codes (✱✱R = Clamp Body Material Clamp Assembly (Clamp Body + Insert	Clamp Body (2 Clamp Halves	Insert *	Dimensions (mm/in) Ø D1	L1	L2	H	Width
4S	2	6		4006-✱✱-R	4S-✱✱-R	RI-06-4/4S	25 .98	70 2.76	45 1.77	46,5 4.83	30,5 1.20
		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					
5S	3	20		5020-✱✱-R	5S-✱✱-R	RI-20-6/5S	38 1.50	85 3.35	60 2.36	58 2.28	30,5 1.20
		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					
6S	4	32	1-1/4	6032-✱✱-R	6S-✱✱-R	RI-32-6S	64 2.52	115 4.53	90 3.54	87 3.43	45 1.77
		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					
7S	5	55		7055-✱✱-R	7S-✱✱-R	RI-55-7S	88 3.56	154 6.06	122 4.80	120 4.72	60 2.36
		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					
8S	6	80		8080-✱✱-R	8S-✱✱-R	RI-80-8S	114 4.49	208 8.11	168 6.61	168 6.61	80 3.15
		88,9	3-1/2	8088.9-✱✱-R		RI-88.9-8S					
		102		8102-✱✱-R		RI-102-8S					
9S	7	114		9114-✱✱-R	9S-✱✱-R	RI-114-9S	150 5.91	251 9.88	205 8.07	200 7.87	91 3.58
		133	5-1/4	9133-✱✱-R		RI-133-9S					
		140		9140-✱✱-R		RI-140-9S					
10S	8	150		10150-✱✱-R	10S-✱✱-R	RI-150-10S	200 7.87	336 13.22	265 10.43	270 10.63	120 4.72
		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).

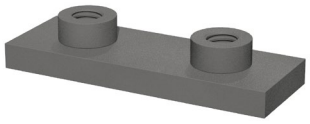
See pages 156 / 157 for material properties and technical information.

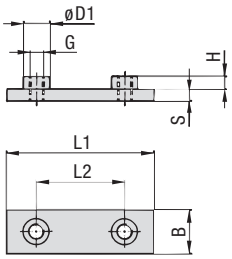
Product Features

- 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

B

Weld Plate for Single Clamps
Type SPAL





Ordering Codes

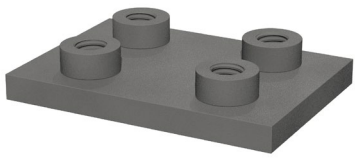
Weld Plate ***SPAL-*3S-*M-*W2**

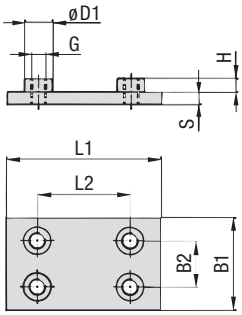
* Weld Plate for Single Clamps		SPAL
* STAUFF Group		3S
* Thread code	Metric ISO thread	M
	Unified coarse (UNC) thread	U
* Material code	Carbon Steel, uncoated	W1
	Carbon Steel, phosphated	W2
	Carbon Steel, zinc/nickel-plated	W3
	Stainless Steel V2A 1.4301 / 1.4305 (AISI 304 / 303)	W4
	Stainless Steel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

Group STAUFF	DIN	Dimensions (mm/in) L1	L2	B	S	H	Thread G	ØD1	Ordering Codes (Standard Options)
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

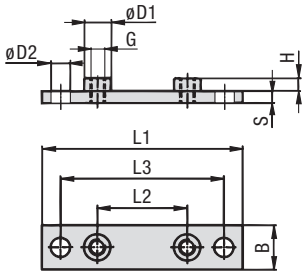
Weld Plate ***SPAS-*3S-*M-*W2**

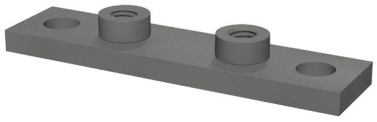
* Weld Plate for Double Clamps		SPAS
* STAUFF Group		3S
* Thread code	Metric ISO thread	M
	Unified coarse (UNC) thread	U
* Material code	Carbon Steel, uncoated	W1
	Carbon Steel, phosphated	W2
	Carbon Steel, zinc/nickel-plated	W3
	Stainless Steel V2A 1.4301 / 1.4305 (AISI 304 / 303)	W4
	Stainless Steel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

Group STAUFF	DIN	Dimensions (mm/in) L1	L2	B1	B2	S	H	Thread G	ØD1	Ordering Codes (Standard Options)
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) L1	L2	L3	B	S	H	Thread G	ØD1	ØD2	Ordering Codes (Standard Options)
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

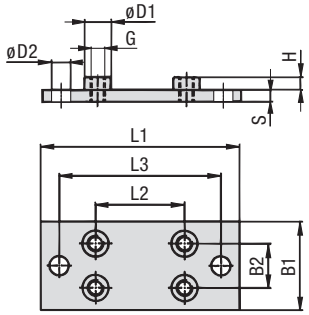
Ordering Codes

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

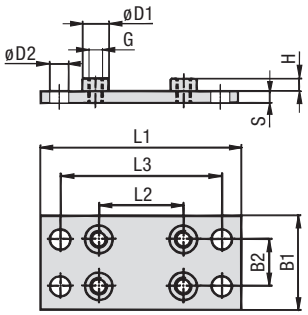
* Elongated Weld Plate for Single Clamps		SPAL-DUEB
* STAUFF Group		3S
* Thread code	Metric ISO thread	M
	Unified coarse (UNC) thread	U
* Material code	Carbon Steel, uncoated	W1
	Carbon Steel, phosphated	W2
	Carbon Steel, zinc/nickel-plated	W3
	Stainless Steel V2A 1.4301 / 1.4305 (AISI 304 / 303)	W4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

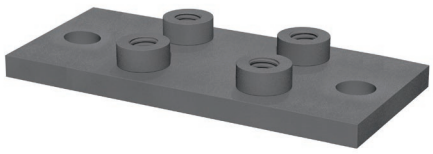
Elongated Weld Plate for Double Clamps Type SPAS-DUEB



STAUFF Group 3S to 9S



STAUFF Group 10S to 12S





Design for STAUFF Group 10S to 12S

Group STAUFF	DIN	Dimensions (mm/in) L1	L2	L3	B1	B2	S	H	Thread G	ØD1	ØD2	Ordering Codes (Standard Options)
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

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 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.

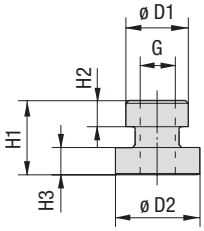
B

Mounting Rail Nut

(for Use with Mounting Rail STSV)

Type GMV





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

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

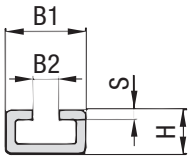
All threaded parts are available with Metric ISO thread or unified coarse (UNC) thread according to dimension table.
Alternative materials and surface finishings are available upon request. Contact STAUFF for further information.

Mounting Rail

(for Use with Mounting Rail Nut GMV)

Type STSV





Ordering Codes

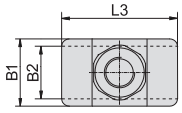
Mounting Rail ***STSV-*1M-*W1**

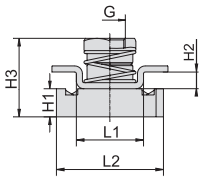
* Mounting Rail		**STSV**
* Length of rail	1 m / 3.28 ft	**1M**
	2 m / 6.56 ft	**2M**
	Alternative lengths available upon request. Contact STAUFF for further information.	
* Material code	Carbon Steel, uncoated	**W1**
	Carbon Steel, zinc-plated, blue-chromated	**W32**
	Stainless Steel V4A 1.4401 / 1.4571 (AISI 316 / 316 Ti)	**W5**

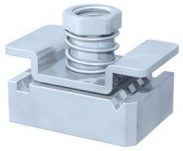
Group STAUFF	DIN	Dimensions (mm/in) B1	B2	H	S	Ordering Codes (Standard Options) Length of Rail: 1 m / 3.28 ft	Length of Rail: 2 m / 6.56 ft
3S	1						
4S	2	40	13	22	5	**STSV -1M-W1**	**STSV -2M-W1**
5S	3	1.57	.51	.86	.19		
6S	4						

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







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

Ordering Codes

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

* Channel Rail Adaptor		CRA
* 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 V4A 1.4401 / 1.4571 (AISI 316 / 316 Ti)	W5

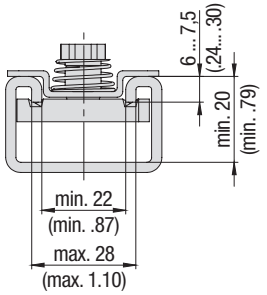


Compatibility with Channel Rails

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

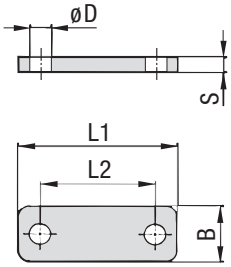
Group STAUFF	DIN	Hexagon Head Bolts AS (used with Cover Plates DPAL or DPAS) Metric ISO thread	Unified coarse (UNC) thread	Socket Cap Screws IS (used without Cover Plates DPAL or DPAS) Metric ISO thread	Unified coarse (UNC) thread
3S	1	M10 x 40	3/8–16 UNC x 1-1/2	M10 x 25	3/8–16 UNC x 1
4S	2	M10 x 55	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 x100	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.

B

Cover Plate for Single Clamps
Type DPAL





Ordering Codes

Cover Plate ***DPAL-*3S-*W2**

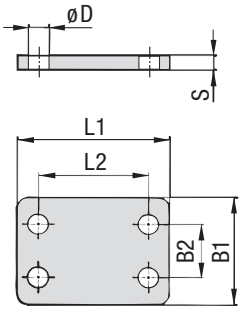
* Cover Plate for Single Clamps		DPAL
* STAUFF Group		3S
* Material code	Carbon Steel, uncoated	W1
	Carbon Steel, phosphated	W2
	Carbon Steel, zinc/nickel-plated	W3
	Stainless Steel V2A 1.4301 / 1.4305 (AISI 304 / 303)	W4
	Stainless Steel V4A 1.4401 / 1.4571 (AISI 316 / 316 Ti)	W5
	Aluminium EN AW-6060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

Group STAUFF	DIN	Dimensions (mm/in) L1	L2	B	S	ØD	Ordering Codes (Standard Options)
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

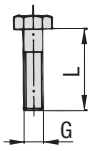
Cover Plate ***DPAS-*3S-*W2**

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

Group STAUFF	DIN	Dimensions (mm/in) L1	L2	B1	B2	S	ØD	Ordering Codes (Standard Options)
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

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-M30x250-W1
		1-1/4–7 UNC x 22	AS-1-1/4-7UNCx22-W1

Ordering Codes

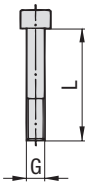
Hexagon Head Bolt ***AS-*M10x70-*W1**

* 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

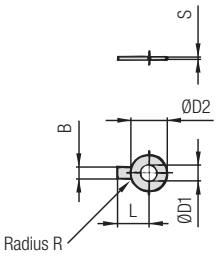
All threaded parts are available with Metric ISO thread or unified coarse (UNC) thread according to dimension table.
Alternative materials and surface finishings are available upon request. Contact STAUFF for further information.

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

B

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





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**

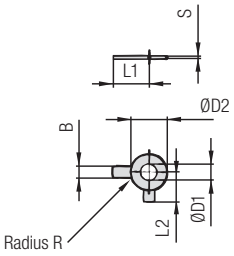
* Safety Washer		**SI**
* Exact inner diameter ØD1 (mm)		**10.5**
* Type of washer	Safety washer with 1 tab (according to DIN 93)	**DIN 93**
* Material code	Carbon Steel, zinc/nickel-plated	**W3**
	Stainless Steel V4A 1.4401 / 1.4571 (AISI 316 / 316 Ti)	**W5**

Group STAUFF	DIN	Dimensions (mm/in) ØD1	B	ØD2	L	R	S	Ordering Codes (Standard Options)
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

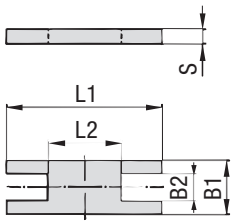
Safety Washer ***SI-*10.5-*DIN463-*W3**

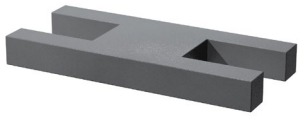
* Safety Washer		**SI**
* Exact inner diameter ØD1 (mm)		**10.5**
* Type of washer	Safety washer with 2 tabs (according to DIN 463)	**DIN 463**
* Material code	Carbon Steel, zinc/nickel-plated	**W3**
	Stainless Steel V4A 1.4401 / 1.4571 (AISI 316 / 316 Ti)	**W5**

Group STAUFF	DIN	Dimensions (mm/in) ØD1	B	ØD2	L1	L2	R	S	Ordering Codes (Standard Options)
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





Group STAUFF	DIN	Dimensions (mm/in) L1	L2	B1	B2	S	Ordering Codes (Standard Options)
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	

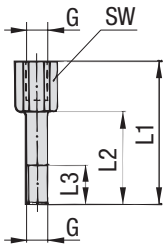
Ordering Codes

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 1.4301 / 1.4305 (AISI 304 / 303)	W4
	Stainless Steel V4A 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) L1	L2	L3 min.	Hex	Thread G	Ordering Codes (Standard Options)
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 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 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

SPAL - 3006 - PP - DPAL-AS - M - W12 - K
① ② ③ ④ ⑤ ⑥ ⑦

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 Design	Type H	Type RI	Code
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 Design	Type H	Type RI	Code
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
	25	●	●	○	4025
	25,4	●	●	○	4025.4
	26,9	●	●	○	4026.9
	28	●	●	○	4028
	30	●	●	○	4030
5S (3)	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 Design	Type H	Type RI	Code
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
	76	○	○	●	7076
	76,1	●	○	○	7076.1
	80	●	○	○	7080
	82,5	●	○	○	7082.5
	88,9	●	○	○	7088.9
8S (6)	80	○	○	●	8080
	88,9	●	○	●	8088.9
	100	●	○	○	8100
	102	●	○	●	8102
	108	●	○	○	8108
	114	●	○	○	8114
	127	●	○	○	8127
	133	●	○	○	8133
9S (7)	114	○	○	●	9114
	127	●	○	○	9127
	133	●	○	●	9133
	140	●	○	●	9140
	152	●	○	○	9152
	159	●	○	○	9159
	165	●	○	○	9165
	168	●	○	○	9168
10S (8)	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 lenghts, 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

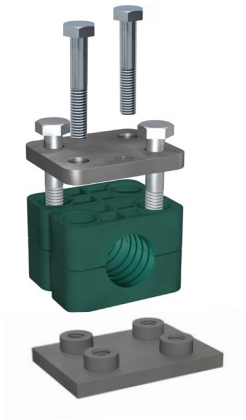
1x **Clamp Body** (two halves)
STAUFF Group 3S (DIN 1)
O.D. 6 mm / .24 in
Material: Polypropylene
Profiled inside surface with tension clearance

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

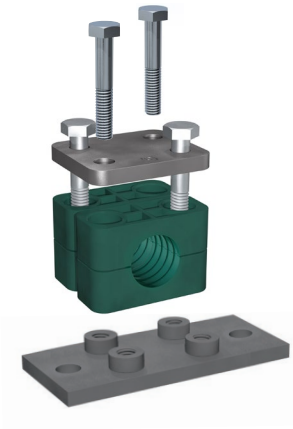
1x **Clamp Body** (two halves)
STAUFF Group 3S (DIN 1)
O.D. 6 mm / .24 in
Material: Polypropylene
Profiled inside surface with tension clearance

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

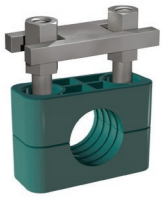
1x **Cover Plate for Single Clamps**
Surface: W2

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**