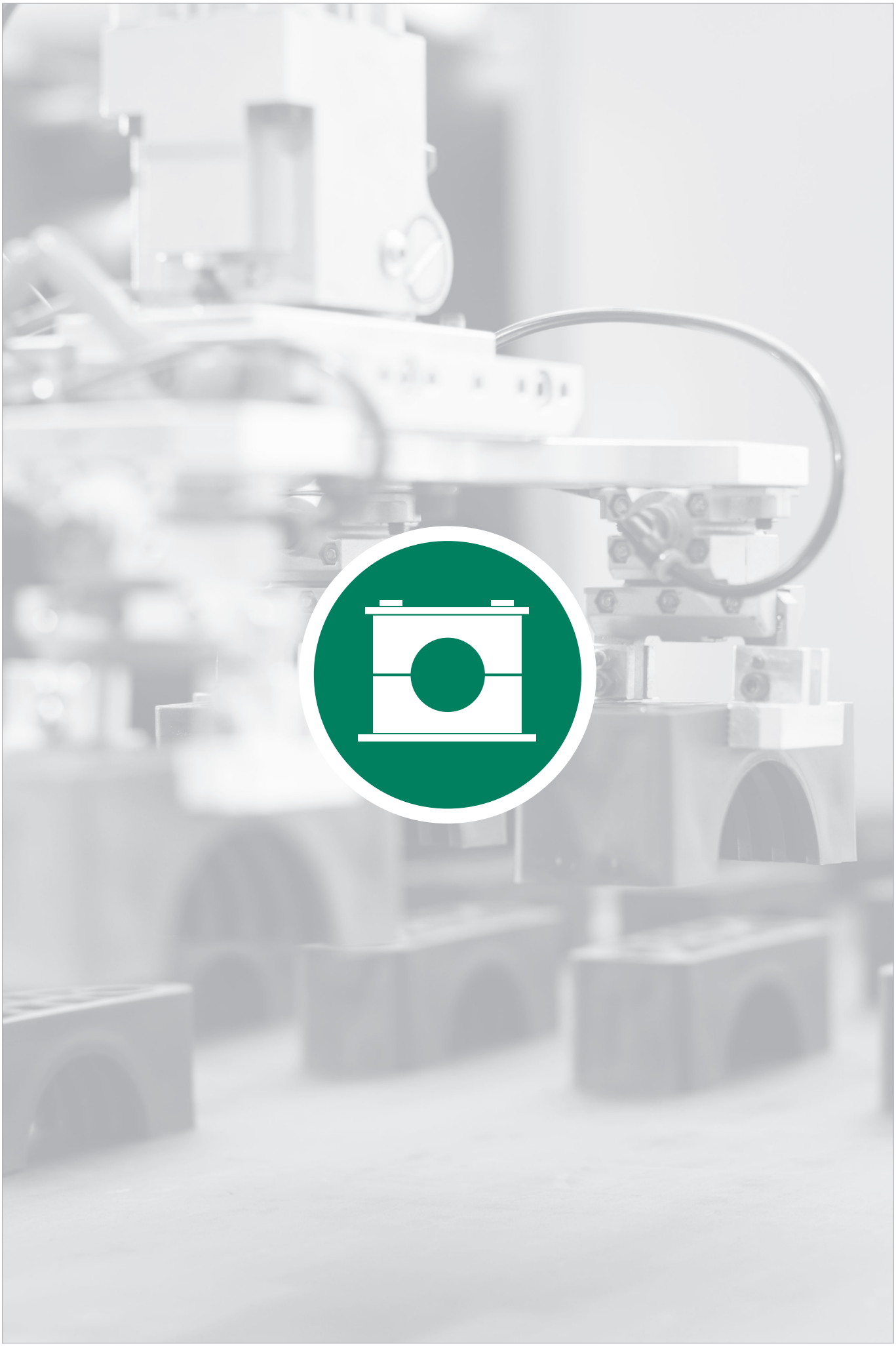




Clamp Body
Profiled Inside Surface with Tension Clearance — 66



Clamp Body with Elastomer Inserts — 66



Weld Plate
SPAD — 67



Cover Plate
DPAD — 67



Hexagon Head Bolt
AS — 68



Mounting Rail Nut
GMV — 68



Mounting Rail
STSV — 68



Channel Rail Adaptor
CRA — 68



Socket Cap Screw
IS — 68



Safety Locking Plate
SIP — 68



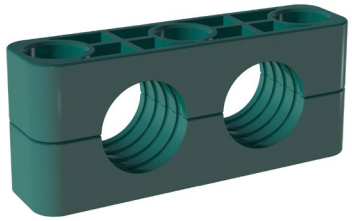
Stacking Bolt
AF — 68

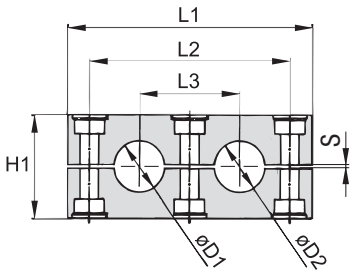
Clamp Assemblies — 69

D

Clamp Body ▪ Profiled Design

Profiled Inside Surface with Tension Clearance





D

Ordering Codes

Clamp Body ***4*012.7/12.7-*PP**

One clamp body is consisting of two clamp halves.

* 1st part of STAUFF Group	**4**
* Exact outside diameters Ø D1 / Ø D2 (mm)	**012.7/12.7**
* Material code (see below)	**PP**

Standard Materials

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

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

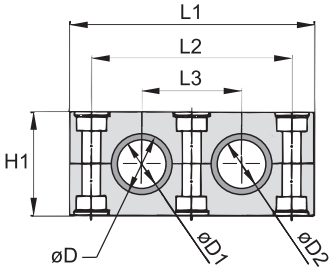
See pages 154 / 155 for material properties and technical information.

Group STAUFF	Outside Diameter Pipe / Tube Ø D1 / Ø D2 (mm)	(in)	Nominal Bore Pipe (in)	Copper Tube ASTM B88 (in)	Ordering Codes (2 Clamp Halves) (✱✱ = Material)	Dimensions (mm/in) L1	L2	L3	H1	S	Width
4S-D	12,7	1/2		3/8	4012.7/12.7-✱✱	115	90	45	48	1,2	30
	19	3/4			4019/19-✱✱	4.53	3.54	1.77	1.89	.05	1.18
	20				4020/20-✱✱						
	21,3		1/2		4021.3/21.3-✱✱						
	22			3/4	4022/22-✱✱						
	25,4	1			4025.4/25.4-✱✱						
	26,9		3/4		4026.9/26.9-✱✱						
5S-D	32	1-1/4			5032/32-✱✱	145	120	60	60	2,0	30
	33,7		1		5033.7/33.7-✱✱	5.71	4.72	2.36	2.36	.08	1.18
	38	1-1/2			5038/38-✱✱						
	42		1-1/4		5042/42-✱✱						

Additional outside diameters and Clamp Bodies, type H (smooth inside surface without tension clearance) are available upon request. Please contact STAUFF for further information.

Clamp Body with Elastomer Inserts Type RI





For use with Elastomer Inserts of the Heavy Series, STAUFF Group 4S and 5S (see page 39 for details)

Ordering Codes

Clamp Assembly ***4*006/06-*PP-R**

One assembly is consisting of one clamp body and two inserts.

* 1st part of STAUFF Group	**4**
* Exact outside diameters Ø D1 / Ø D2 (mm)	**006/06**
* Material code (see below)	**PP-R**

Standard Materials

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

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

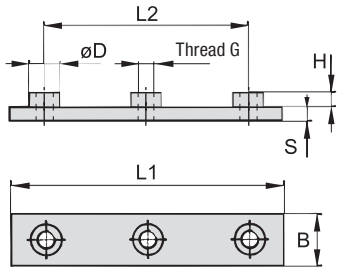
Elastomer Inserts
Thermoplastic Elastomer (73 Shore-A)
Colour: Black

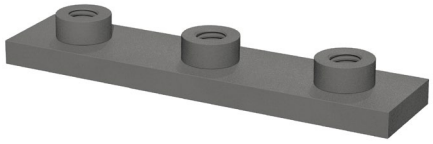
Group STAUFF	Outside Diameter Pipe / Tube / Hose Ø D1 / Ø D2 (mm)	(in)	Ordering Codes (Clamp Assembly) (✱✱R = Material)	Dimensions (mm/in) Ø D	L1	L2	L3	H1	Width
4S-D	6		4006/06-✱✱-R	25	115	90	45	48	30
	8	5/16	4008/08-✱✱-R	.98	4.53	3.54	1.77	1.89	1.18
	10		4010/10-✱✱-R						
	12		4012/12-✱✱-R						
	12,7	1/2	4012.7/12.7-✱✱-R						
	14		4014/14-✱✱-R						
	15		4015/15-✱✱-R						
	16	5/8	4016/16-✱✱-R						
	17,2		4017.2/17.2-✱✱-R						
	18		4018/18-✱✱-R						
	19	3/4	4019/19-✱✱-R						
5S-D	20		5020/20-✱✱-R	38	145	120	60	60	30
	21,3		5021.3/21.3-✱✱-R	1.50	5.71	4.72	2.36	2.36	1.18
	22	7/8	5022/22-✱✱-R						
	25		5025/25-✱✱-R						
	26,9		5026.9/26.9-✱✱-R						
	28		5028/28-✱✱-R						
	30		5030/30-✱✱-R						
	32	1-1/4	5032/32-✱✱-R						

See pages 154 / 155 for properties and technical information.

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

Weld Plate Type SPAD





Group STAUFF	Dimensions (mm/in) L1	L2	B	S	H	Thread G	ØD	Ordering Codes (Standard Options)
4S-D	130	90	30	8	8,5	M10	18	SPAD-4S-M-W1
	5.12	3.54	1.18	.31	.33	3/8–16 UNC	.71	SPAD-4S-U-W2*
5S-D	160	120	30	8	8,5	M10	18	SPAD-5S-M-W1
	6.30	4.72	1.18	.31	.33	3/8–16 UNC	.71	SPAD-5S-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.

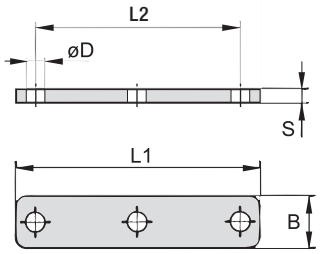
* Standard finishing option in North America is W2 (Carbon Steel, phosphated).

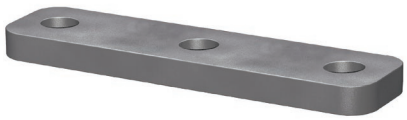
Ordering Codes

Weld Plate ***SPAD-*4S-*M-*W1**

* Weld Plate		SPAD
* STAUFF Group	4S-D	4S
	5S-D	5S
* 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

Cover Plate Type DPAD





Group STAUFF	Dimensions (mm/in) L1	L2	B	S	ØD	Ordering Codes (Standard Options)
4S	115	90	30	8	11	DPAD-4S-W1*
	4.53	3.54	1.18	.31	.43	
5S	145	120	30	8	11	DPAD-5S-W1*
	5.71	4.72	1.18	.31	.43	

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, phosphated).

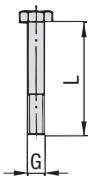
Ordering Codes

Cover Plate ***DPAD-*4S-*W1**

* Cover Plate		DPAD
* STAUFF Group	4S-D	4S
	5S-D	5S
* 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

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 DPAD

D

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**

Group STAUFF	DIN	Dimensions (mm/in) Thread G x L	Ordering Codes (Standard Options)
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*

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

If required, use Safety Washers, type SI as locking devices to prevent Hexagon Head Bolts, type AS from loosening. See page 46 for details.

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

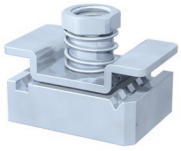
Further Metal Hardware
For Use with the Heavy Twin Series



Mounting Rail Nut Type GMV
Heavy Series, STAUFF Group 4S and 5S
(See page 42 for details)



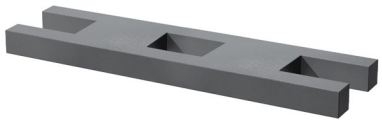
Mounting Rail Type STSV
Heavy Series
(See page 42 for details)



Channel Rail Adaptor Type CRA
Heavy Series, STAUFF Group 4S and 5S
(See page 43 for details)



Socket Cap Screw Type IS
Heavy Series, STAUFF Group 4S and 5S
(See page 45 for details)



Safety Locking Plate Type SIPD
Heavy Twin Series, STAUFF Group 4S-D and 5S-D
(Contact STAUFF for details)



Stacking Bolt Type AF
Heavy Series, STAUFF Group 4S and 5S
(See page 47 for details)

SPAD - **4012.7/12.7** - **PP** - **DPAD-AS** - **M** - **W1** - **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



Single Weld Plate
Code: **SPAD**

Installation on Mounting / Channel Rail



Mounting Rail Nut
Code: **GMV**



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 crder code for your clamp assembly.

Group STAUFF	Outside Diameter P / T / H (mm)	Availability of Clamp Body Materials & Designs Profiled Design	Type RI	Code
4S-D	6	○	●	4006/06
	8	○	●	4008/08
	10	○	●	4010/10
	12	○	●	4012/12
	12,7	●	●	4012.7/12.7
	14	○	●	4014/14
	15	○	●	4015/15
	16	○	●	4016/16
	17,2	○	●	4017.2/17.2
	18	○	●	4018/18
	19	●	●	4019/19
	20	●	○	4020/20
	21,3	●	○	4021.3/21.3
	22	●	○	4022/22
	25,4	●	○	4025.4/25.4
	26,9	●	○	4026.9/26.9
5S-D	20	○	●	5020/20
	21,3	○	●	5021.3/21.3
	22	○	●	5022/22
	25	○	●	5025/25
	26,9	○	●	5026.9/26.9
	28	○	●	5028/28
	30	○	●	5030/30
	32	●	●	5032/32
	33,7	●	○	5033.7/33.7
	38	●	○	5038/38
	42	●	○	5042/42

● 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**



Polyamide
Code: **PA**

Type RI (with Elastomer Insert)



Polypropylene
Code: **PP-R**



Polyamide
Code: **PA-R**

Clamp Bodies, Type H (smooth Inside surface without tension clearance) are available upon request.
Please contact STAUFF for further information.

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 Bolts

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

Installation with Locking Plate and Bolts

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

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; 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**

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)

D