



Local Solutions for Individual Customers Worldwide

Pipe, Tube and Hose Clamps

Stauff is dedicated to solve your clamping problems from its broad range of catalog products or by a custom clamp designed by our experienced engineering department in conjunction with you, our customer.

STANDARD SERIES

according to DIN 3015, Part 1
(for O.D. 6 to 102 mm)

HEAVY SERIES

according to DIN 3015, Part 2
(for O.D. 6 to 406 mm)

TWIN SERIES

according to DIN 3015, Part 3
(for O.D. 6 to 42 mm)

SPECIAL CLAMPS / ACCESSORIES

MACHINED CUSTOM CLAMPS

MOLDED CUSTOM CLAMPS

LIGHT SERIES – Ideally suited for Pneumatics, Instrumentation, Machine Tool and Lubrication lines sizes from 1/8"-1"

CONSTRUCTION SERIES

TUBE AND PIPE CUSHION CLAMPS

U-BOLT CLAMPS

METAL CLAMPS ACCORDING TO DIN

TECHNICAL APPENDIX



In all industrial countries STAUFF Clamps are used to give a clean and distinct layout for all pipe, tube and hose installations.

The vibration and noise reducing features are appreciated as being an important contribution to environmental protection.

Apart from the technical sophistication of STAUFF Clamps, the prompt delivery and service for both standard product and special constructions can be expected in all countries in the world.

STAUFF Clamps applications are almost unlimited. Due to the wide product range, all application areas where pipe, tube and hose are installed are covered:

- Industrial Hydraulics
- Mobile Hydraulics
- Marine Hydraulics
- Offshore
- General Industrial Pipe Construction
- Mining Industry
- Nuclear Reactor Construction
- Instrumentation and Control Technology
- Pneumatics

STAUFF Clamps have been approved by:

- Bureau Veritas
- Department of the Navy, New York
- Germanischer Lloyd
- Lloyd's Register of Shipping
- Registro Italiano Navale
- TÜV
- United States Coast Guard

PIPE TUBE AND HOSE CLAMPS

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METAL PIPE CLAMPS ACCORDING TO DIN

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








Clamps - Standard Series

(for O.D. 6 to 102 mm)

ORDER CODES - COMPONENTS according to DIN 3015, Part 1

CLAMPS

ALSO AVAILABLE Extensive range of special clamping systems and accessories, e.g. for noise and vibration reduced installation, for electric sensors and cables or for particular mounting purposes see pages C26 to C31 Custom designed pipe clamps (machined and injection molded versions) according to customer's specifications or based on STAUFF developments see pages C32 to C33					CLAMP BODY consisting of two clamp halves	SINGLE WELD PLATE SP	ELONGATED WELD PLATE SPV	CHANNEL RAIL ADAPTOR CRA
					 Group 1  Group 1A -8	 Group 1  Group 1A -8	 Group 1  Group 1A -8	suitable for several types of channel rails, see page C10 
MATERIAL & SURFACE FINISHING CODE (ALL DISPLAYED OPTIONS ARE STANDARD DELIVERY)					SEE COMPONENT PART IDENTIFICATION	W2	W2	W3
ORDERING INFORMATION					**** **	SP * * *	SPV * * *	CRA 1-8/1D * **
STAUFF GROUP	DIN GROUP	OUTSIDE DIAMETER PIPE/TUBE/HOSE IN MM	OUTSIDE DIAMETER PIPE/TUBE/HOSE IN INCH	NOMINAL BORE PIPE IN INCH	STAUFF GROUP OUTSIDE DIAMETER OF PIPE IN MM MATERIAL & DESIGN OF CLAMP BODY	SINGLE WELD PLATE SP STAUFF GROUP TYPE OF THREAD MATERIAL & SURFACE FINISHING	SINGLE WELD PLATE SPV STAUFF GROUP TYPE OF THREAD MATERIAL & SURFACE FINISHING	CHANNEL RAIL ADAPTOR CRA TYPE OF THREAD MATERIAL & SURFACE FINISHING
1	0	6			106 ***	SP 1 ***	SPV 1 ***	CRA 1-8/1D ***
		6,4	1/4		106,4 ***			
		8	5/16		108 ***			
		9,5	3/8		109,5 ***			
		10		1/8	110 ***			
1A	1	12			112 ***	SP 1A ***	SPV 1A ***	
		6			106A ***			
		6,4	1/4		106,4A ***			
		8	5/16		108A ***			
		9,5	3/8		109,5A ***			
2	2	10		1/8	110A ***	SP 2 ***	SPV 2 ***	
		12			112A ***			
		12,7	1/2		212,7 ***			
		13,5		1/4	213,5 ***			
		14			214 ***			
3	3	15			215 ***	SP 3 ***	SPV 3 ***	
		16	5/8		216 ***			
		17,2		3/8	217,2 ***			
		18			218 ***			
		19	3/4		319 ***			
4	4	20			320 ***	SP 4 ***	SPV 4 ***	
		21,3		1/2	321,3 ***			
		22	7/8		322 ***			
		25			325 ***			
		25,4	1		325,4 ***			
5	5	26,9		3/4	426,9 ***	SP 5 ***	SPV 5 ***	
		28			428 ***			
		30			430 ***			
		32	1 1/4		532 ***			
		33,7		1	533,7 ***			
6	6	35			535 ***	SP 6 ***	SPV 6 ***	
		38	1 1/2		538 ***			
		40			540 ***			
		42		1 1/4	542 ***			
		44,5	1 3/4		644,5 ***			
7	7	48,3		1 1/2	648,3 ***	SP 7 ***	SPV 7 ***	
		50,8	2		650,8 ***			
		57,2	2 1/4		757,2 ***			
		60,3		2	760,3 ***			
		63,5	2 1/2		763,5 ***			
8	8	70	2 3/4		770 ***	SP 8 ***	SPV 8 ***	
		73		2 1/2 except DIN 2448	773 ***			
		76,1	3	2 1/2 DIN 2448 only	776,1 ***			
		88,9		3	888,9 ***			
		102	4		8102L ***			

Consult factory for available hose sizes.



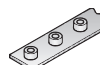
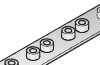








C2



Clamps - Standard Series

(for O.D. 6 to 102 mm)

ORDER CODES - COMPONENTS according to DIN 3015, Part 1

Twin Weld Plate DSP	Group Weld Plate RAP	Cover Plate DP	Hexagon Head Bolt AS	Insert E	Hexagon Head Bolt ASE	Socket Cap Screw IS	Slotted Head Screw LI	Stacking Bolt AF
 Group 1  Group 1A -6	 Group 1  Group 1A -6	 Group 1  Group 1A -8	for use with COVER PLATE DP 		no coverplate for use with INSERT E 			
W2	W1	W3	W3	STEEL / PLASTIC	W3	W3	W3	W3
DSP ** ** ** *	RAP ** ** ** ** ** ** *	DP * * *	AS * * * *	E * ↓ INSERT E ↓ MATERIAL (S/P)	ASE * * * *	IS * * * *	LI * * * *	AF * * * *
TWIN WELD PLATE DSP ↓ STAUFF GROUP ↓ PIPE CENTER SPACING ↓ TYPE OF THREAD ↓ MATERIAL & SURFACE FINISHING	GROUP WELD PLATE RAP ↓ STAUFF GROUP ↓ PIPE CENTER SPACING ↓ NUMBER OF CLAMPS ↓ TYPE OF THREAD ↓ MATERIAL & SURFACE FINISHING	COVER PLATE DP ↓ STAUFF GROUP ↓ MATERIAL & SURFACE FINISHING	HEXAGON HEAD BOLT AS ↓ STAUFF GROUP ↓ TYPE OF THREAD ↓ MATERIAL & SURFACE FINISHING	INSERT E ↓ MATERIAL (S/P)	HEXAGON HEAD BOLT ASE ↓ STAUFF GROUP ↓ TYPE OF THREAD ↓ MATERIAL & SURFACE FINISHING	SOCKET HEAD SCREW IS ↓ STAUFF GROUP ↓ TYPE OF THREAD ↓ MATERIAL & SURFACE FINISHING	SLOTTED HEAD SCREW LI ↓ STAUFF GROUP ↓ TYPE OF THREAD ↓ MATERIAL & SURFACE FINISHING	STACKING BOLT AF ↓ STAUFF GROUP ↓ TYPE OF THREAD ↓ MATERIAL & SURFACE FINISHING
DSP 1/40 * **	RAP 1/30/10 * **	DP 1 **	AS1/1A * **	E * S for Steel P for Plastic	ASE1/1A * **	IS1/1A * **	LI/1A * **	AF1/1A * **
DSP 1A/37 * **	RAP 1A/37/10 * **	DP 1A **	AS1/1A * **		ASE1/1A * **	IS1/1A * **	LI/1A * **	AF1/1A * **
DSP 2/44 * **	RAP 2/44/10 * **	DP 2 **	AS 2 * **		ASE 2 * **	IS 2 * **	LI 2 * **	AF 2 * **
DSP 3/52 * **	RAP 3/52/10 * **	DP 3 **	AS 3 * **		ASE 3 * **	IS 3 * **	LI 3 * **	AF 3 * **
DSP 4/60 * **	RAP 4/60/5 * **	DP 4 **	AS 4 * **		ASE 4 * **	IS 4 * **	LI 4 * **	AF 4 * **
DSP 5/75 * **	RAP 5/75/5 * **	DP 5 **	AS 5 * **		ASE 5 * **	IS 5 * **	LI 5 * **	AF 5 * **
DSP 6/90 * **	RAP 6/90/5 * **	DP 6 **	AS 6 * **		ASE 6 * **	IS 6 * **	LI 6 * **	AF 6 * **
---	---	DP 7 **	AS 7 * **		---	IS 7 * **	---	AF 7 * **
---	---	DP 8 **	AS 8 * **		---	IS 8 * **	---	AF 8 * **

C3

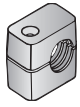


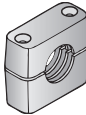
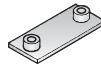
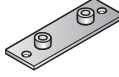



Clamps - Standard Series

(for O.D. 6 to 102 mm)

ORDER CODES - COMPONENTS according to DIN 3015, Part 1

CLAMPS

ALSO AVAILABLE						CLAMP BODY consisting of two clamp halves	SINGLE WELD PLATE SP	ELONGATED WELD PLATE SPV	CHANNEL RAIL ADAPTOR CRA
Extensive range of special clamping systems and accessories, e.g. for noise and vibration reduced installation, for electric sensors and cables or for particular mounting purposes									suitable for several types of channel rails, see page C10
see pages C26 to C31						Group 1	Group 1	Group 1	
Custom designed pipe clamps (machined and injection molded versions) according to customer's specifications or based on STAUFF developments									
see pages C32 to C33						Group 1A -8	Group 1A -8	Group 1A -8	
MATERIAL & SURFACE FINISHING CODE (ALL DISPLAYED OPTIONS ARE STANDARD DELIVERY)						SEE COMPONENT PART IDENTIFICATION	W2	W2	W3
ORDERING INFORMATION						***,* ***	SP * * * *	SPV * * * *	CRA 1-8/1D * * *
STAUFF GROUP	DIN GROUP	OUTSIDE DIAMETER PIPE/TUBE/HOSE IN MM	OUTSIDE DIAMETER PIPE/TUBE/HOSE IN INCH	NOMINAL BORE PIPE IN INCH	STAUFF GROUP OUTSIDE DIAMETER OF PIPE IN MM MATERIAL & DESIGN OF CLAMP BODY	SINGLE WELD PLATE SP STAUFF GROUP TYPE OF THREAD MATERIAL & SURFACE FINISHING	SINGLE WELD PLATE SPV STAUFF GROUP TYPE OF THREAD MATERIAL & SURFACE FINISHING	CHANNEL RAIL ADAPTOR CRA TYPE OF THREAD MATERIAL & SURFACE FINISHING	
1	0	6			106 ***	SP 1 ***	SPV 1 ***	CRA 1-8/1D ***	
		6,4	1/4		106,4 ***				
		8	5/16		108 ***				
		9,5	3/8		109,5 ***				
		10		1/8	110 ***				
1A	1	12			112 ***	SP 1A ***	SPV 1A ***		
		6			106A ***				
		6,4	1/4		106,4A ***				
		8	5/16		108A ***				
		9,5	3/8		109,5A ***				
2	2	10		1/8	110A ***	SP 2 ***	SPV 2 ***		
		12			112A ***				
		12,7	1/2		212,7 ***				
		13,5		1/4	213,5 ***				
		14			214 ***				
3	3	15			215 ***	SP 3 ***	SPV 3 ***		
		16	5/8		216 ***				
		17,2		3/8	217,2 ***				
		18			218 ***				
		19	3/4		319 ***				
4	4	20			320 ***	SP 4 ***	SPV 4 ***		
		21,3		1/2	321,3 ***				
		22	7/8		322 ***				
		25			325 ***				
		25,4	1		325,4 ***				
5	5	26,9		3/4	426,9 ***	SP 5 ***	SPV 5 ***		
		28			428 ***				
		30			430 ***				
		32	1 1/4		532 ***				
		33,7		1	533,7 ***				
6	6	35			535 ***	SP 6 ***	SPV 6 ***		
		38	1 1/2		538 ***				
		40			540 ***				
		42		1 1/4	542 ***				
		44,5	1 3/4		644,5 ***				
7	7	48,3		1 1/2	648,3 ***	SP 7 ***	SPV 7 ***		
		50,8	2		650,8 ***				
		57,2	2 1/4		757,2 ***				
		60,3		2	760,3 ***				
		63,5	2 1/2		763,5 ***				
8	8	70	2 3/4		770 ***	SP 8 ***	SPV 8 ***		
		73		2 1/2 except DIN 2448	773 ***				
		76,1	3	2 1/2 DIN 2448 only	776,1 ***				
		88,9		3	888,9 ***				
		102	4		8102L ***				

Consult factory for available hose sizes.




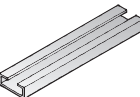

C2



Clamps - Standard Series

(for O.D. 6 to 102 mm)

ORDER CODES - COMPONENTS according to DIN 3015, Part 1

Safety Washer SI	Safety Locking Plate SIG	Mounting Rail TS	Hexagon Rail Nut SM
DIN 93 for use with HEXAGON HEAD BOLT AS 	 Group 1  Group 1A -6		
W3	W3	W1	W3
SI 6,4 ***	SIG ***	TS *** **	SM1-8/1D ***
STACKING BOLT AF MATERIAL & SURFACE FINISHING	SAFETY LOCKING PLATE SIG STAUFF GROUP MATERIAL & SURFACE FINISHING	MOUNTING RAIL TS HEIGHT OF RAIL IN MM LENGTH OF RAIL IN M & SURFACE FINISHING	HEXAGON RAIL NUT SM TYPE OF THREAD MATERIAL & SURFACE FINISHING
SI 6,4 **	SIG 1 **	TS ** - *** available heights: 11, 14 and 30 mm 0,43", 0,55", and 1,18" available lengths: 1m and 2 m 3,26" and 6,56"	SM1-8/1D * **
	SIG 1A **		
	SIG 2 **		
	SIG 3 **		
	SIG 4 **		
	SIG 5 **		
	SIG 6 **		
	SIG 7 **		
	SIG 8 **		

COMPONENT PART IDENTIFICATION FOR STANDARD SERIES CLAMP BODIES AND COMPONENTS		
Clamp Body		
Material	Design	Colour
Polypropylene	profiled inside, with tension clearance	green
Polypropylene	smooth inside, without tension clearance	green
Polyamide	profiled inside, with tension clearance	black
Polyamide	smooth inside, without tension clearance	black
Santoprene	profiled inside, with tension clearance	black
Santoprene	smooth inside, without tension clearance	black
Aluminium	profiled inside, with tension clearance	natural
Aluminium is available up to STAUFF Group 6 only. Alternative materials, designs and colours in addition to the above stated standard are available upon request.		
Metal Parts		
Material	Surface Finishing	Code
carbon steel St37	untreated	W1
carbon steel St37	phosphated	W2
carbon steel St37	zinc plated	W3
stainless steel A2 - 1.4301 / 1.4305 (AISI 304)		W4
stainless steel A4 - 1.4401 / 1.4571 (AISI 316/316Ti)		W5
Alternative materials and surface finishings in addition to the above stated standard are available upon request.		
Threaded Parts		
Type of Thread		Code
Metric Thread		M
UNC Thread		U
All threaded parts are available with Metric or UNC Thread.		

C4



Clamps - Standard Series (for O.D. 6 to 102 mm)

DIMENSIONS - COMPONENTS according to DIN 3015, Part 1

Material & Surface Finishing of Metal Parts		Clamp Body consisting of two clamp halves	Single Weld Plate SP	Elongated Weld Plate SPV
carbon steel St37, untreated	W1			
carbon steel St37, phosphated	W2			
carbon steel St37, zinc plated	W3			
stainless steel A2 - 1.4301/1.4305 (AISI304)	W4			
stainless steel A4 - 1.4401/1.4571 (AISI316/316Ti)	W5			
Alternative materials and surface finishings in addition to the above stated standard are available upon request.				

Material & Surface Finishing Code			SEE COMPONENT PART IDENTIFICATION										W2						W2										
STAUFF GROUP	DIN GROUP	OUTSIDE DIAMETER PIPE IN MM	L1	L2	Inside Surface profiled		smooth	H	S	H	Width	L1	L2	B	S	H	G	ØD	L1	L2	L3	B	S	H	G	ØD1	ØD2		
			mm	in	mm	in	mm					in	mm	in	mm	in		mm	in	mm	in	mm	in	mm		in	mm	in	mm
		ØD1	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
1	0	6 to 12 mm 1/4" to 1/2"	28	9,5	27	0,4 min.	26	30	31,5	10	30	3	6,5	M6, 1/4-20 UNC	12	58	24,5	44	30	3	6,5	M6, 1/4-20 UNC	12	58	24,5	44	30	3	6,5
			1.10	0.37	1.06	0.02	1.02	1.18	1.24	0.39	1.18	0.12	0.26		0.47	2.28	0.96	1.73	1.18	0.12	0.26		0.47	0.26					
1A	1	6 to 12 mm 1/4" to 1/2"	37	20	27	0,4 min.	26	30	36	20	30	3	6,5	M6, 1/4-20 UNC	12	64	20	50	30	3	6,5	M6, 1/4-20 UNC	12	64	20	50	30	3	6,5
			1.46	0.79	1.06	0.02	1.02	1.18	1.41	0.79	1.18	0.12	0.26		0.47	2.52	0.79	1.97	1.18	0.12	0.26		0.47	0.26					
2	2	12,7 to 18 mm 1/2" to 5/8"	42	26	33	0,6 min.	32	30	42	26	30	3	6,5	M6, 1/4-20 UNC	12	70	26	56	30	3	6,5	M6, 1/4-20 UNC	12	70	26	56	30	3	6,5
			1.65	1.02	1.30	0.02	1.26	1.18	1.65	1.02	1.18	0.12	0.26		0.47	2.76	1.02	2.20	1.18	0.12	0.26		0.47	0.26					
3	3	19 to 25,4 mm 3/4" to 1"	50	33	36	0,6 min.	35,5	30	50	33	30	3	6,5	M6, 1/4-20 UNC	12	78	33	64	30	3	6,5	M6, 1/4-20 UNC	12	78	33	64	30	3	6,5
			1.97	1.30	1.42	0.02	1.40	1.18	1.97	1.30	1.18	0.12	0.26		0.47	3.07	1.30	2.52	1.18	0.12	0.26		0.47	0.26					
4	4	26,9 to 30 mm 1-1/16" to 1-3/16"	59	40	42	0,6 min.	41,5	30	60	40	30	3	6,5	M6, 1/4-20 UNC	12	87	40	73	30	3	6,5	M6, 1/4-20 UNC	12	87	40	73	30	3	6,5
			2.32	1.57	1.65	0.02	1.63	1.18	2.36	1.57	1.18	0.12	0.26		0.47	3.43	1.57	2.87	1.18	0.12	0.26		0.47	0.26					
5	5	32 to 42 mm 1-1/4" to 1-5/8"	71	52	58	0,8 min.	56,5	30	71	52	30	3	6,5	M6, 1/4-20 UNC	12	100	52	86	30	3	6,5	M6, 1/4-20 UNC	12	100	52	86	30	3	6,5
			2.80	2.05	2.28	0.03	2.22	1.18	2.80	2.05	1.18	0.12	0.26		0.47	3.94	2.05	3.39	1.18	0.12	0.26		0.47	0.26					
6	6	44,5 to 50,8 mm 1-3/4" to 2"	86	66	66	0,8 min.	64,5	30	88	66	30	3	6,5	M6, 1/4-20 UNC	12	115	66	100	30	3	6,5	M6, 1/4-20 UNC	12	115	66	100	30	3	6,5
			3.39	2.60	2.60	0.03	2.53	1.18	3.46	2.60	1.18	0.12	0.26		0.47	4.53	2.60	3.94	1.18	0.12	0.26		0.47	0.26					
7	7	57,2 to 76,1 mm 2-1/4" to 3"	121	94	93	0,8 min.	92	30	122	94	30	5	6,5	M6, 1/4-20 UNC	12	150	94	136	30	5	6,5	M6, 1/4-20 UNC	12	150	94	136	30	5	6,5
			4.76	3.70	3.66	0.03	3.62	1.18	4.80	3.70	1.18	0.20	0.26		0.47	5.91	3.70	5.35	1.18	0.20	0.26		0.47	0.26					
8	8	88,9 to 102 mm 3-1/2" to 4"	147	120	118	0,8 min.	116	30	148	120	30	5	6,5	M6, 1/4-20 UNC	12	178	120	162	30	5	6,5	M6, 1/4-20 UNC	12	178	120	162	30	5	6,5
			5.79	4.72	4.65	0.03	4.57	1.18	5.83	4.72	1.18	0.20	0.26		0.47	7.01	4.72	6.38	1.18	0.20	0.26		0.47	0.26					



Clamps - Standard Series (for O.D. 6 to 102 mm)

DIMENSIONS - COMPONENTS according to DIN 3015, Part 1

CHANNEL RAIL ADAPTOR CRA	TWIN WELD PLATE DSP	GROUP WELD PLATE RAP	COVER PLATE DP	HEX BOLT AS
suitable for several types of channel rails, see page C10				
	Group 1	Group 1	Group 1	
	Group 1A -6	Group 1A -6	Group 1A -8	

W3					W2							W1							W3						W3				
G	L	B	H1	H2	L1	L2	L3	B	S	H	G	ØD	L1	L2	L3	B	S	H	G	ØD	L1	L2	B	S	ØD	G x L			
	mm in	mm in	mm in	mm in	mm in	mm in	mm in	mm in	mm in	mm in		mm in	mm in	mm in	mm in	mm in	mm in	mm in		mm in	mm in	mm in	mm in	mm in	mm in	mm in	mm in		
1/4-20UNC M6	40	16	13	20,5	87	40	40	30	3	6,5	1/4-20UNC M6	12	314	31	31	30	4	6,5	1/4-20UNC M6	12	28	9,5	30	3	7	M6 x 30			
					3,43	1,57	1,57	1,18	0,12	0,26		0,47	12,36	1,22	1,22	1,18	0,16	0,26		0,47	1,10	0,37	1,18	0,12	0,28	1/4-20UNC x 1-1/4			
					77	20	37	30	3	6,5	1/4-20UNC M6	12	373	20	37	30	4	6,5	1/4-20UNC M6	12	34	20	30	3	7	M6 x 30			
					3,03	0,79	1,46	1,18	0,12	0,26		0,47	14,69	0,79	1,46	1,18	0,16	0,26		0,47	1,34	0,79	1,18	0,12	0,28	1/4-20UNC x 1-1/4			
					86	26	44	30	3	6,5	1/4-20UNC M6	12	442	26	44	30	4	6,5	1/4-20UNC M6	12	40,5	26	30	3	7	M6 x 35			
					3,39	1,02	1,73	1,18	0,12	0,26		0,47	17,40	1,02	1,73	1,18	0,16	0,26		0,47	1,59	1,02	1,18	0,12	0,28	1/4-20UNC x 1-3/8			
					102	33	52	30	3	6,5	1/4-20UNC M6	12	521	33	52	30	4	6,5	1/4-20UNC M6	12	48	33	30	3	7	M6 x 40			
					4,02	1,30	2,05	1,18	0,12	0,26		0,47	20,51	1,30	2,05	1,18	0,16	0,26		0,47	1,89	1,30	1,18	0,12	0,28	1/4-20UNC x 1-1/2			
					120	40	60	30	3	6,5	1/4-20UNC M6	12	300	40	60	30	4	6,5	1/4-20UNC M6	12	57	40	30	3	7	M6 x 45			
					4,72	1,57	2,36	1,18	0,12	0,26		0,47	11,81	1,57	2,36	1,18	0,16	0,26		0,47	2,24	1,57	1,18	0,12	0,28	1/4-20UNC x 1-7/8			
				145	52	75	30	3	6,5	1/4-20UNC M6	12	378	52	75	30	4	6,5	1/4-20UNC M6	12	70	52	30	3	7	M6 x 60				
				5,71	2,05	2,95	1,18	0,12	0,26		0,47	14,88	2,05	2,95	1,18	0,16	0,26		0,47	2,76	2,05	1,18	0,12	0,28	1/4-20UNC x 2-3/8				
				178	66	90	30	3	6,5	1/4-20UNC M6	12	450	66	90	30	4	6,5	1/4-20UNC M6	12	86	66	30	3	7	M6 x 70				
				7,01	2,60	3,54	1,18	0,12	0,26		0,47	17,72	2,60	3,54	1,18	0,16	0,26		0,47	3,39	2,60	1,18	0,12	0,28	1/4-20UNC x 2-3/4				
				---																	118	94	30	5	7	M6 x 100	1/4-20UNC x 4		
				---																	144	120	30	5	7	M6 x 125	1/4-20UNC x 4-7/8		
	1,57	0,63	0,51	0,81	---																	5,67	4,72	1,18	0,20	0,28			



(for O.D. 6 to 102 mm)

C5



(for O.D. 6 to 102 mm)

C7

CLAMPS

1 ***

2 ****,*

3 ***

4 **** - **

5 *

6 W**

7 *

1 TYPE OF INSTALLATION

no code	without mounting plate, rail adaptor or rail nuts
SP	Single Weld Plate
SPV	Elongated Weld Plate
CRA	Channel Rail Adaptor
DSP *3	Twin Weld Plate
RAP *3	Group Weld Plate
SM	Hexagon Rail Nut

3 MATERIAL & DESIGN OF CLAMP BODY *1

PP	Polypropylene, profiled inside, with tension clearance
PPH	Polypropylene, smooth inside, without tension clearance
PA	Polyamide, profiled inside, with tension clearance
PAH	Polyamide, smooth inside, without tension clearance
SA	Santoprene, profiled inside, with tension clearance
SAH	Santoprene, smooth inside, without tension clearance
AL *2	Aluminium, profiled inside, with tension clearance

4 MOUNTING & FITTING COMBINATION

DP - AS	Cover Plate / Hexagon Head Bolt
DP - IS	Cover Plate / Socket Cap Screw
ASE	Insert / Hexagon Head Bolt (w/o Cover Plate)
IS	Socket Cap Screw with washer
LI *3	Slotted Head Screw with washer
SIG - AF	Safety Locking Plate / Stacking Bolt

7 ASSEMBLING & PACKAGING

no code	components supplied separately (standard)
A	assembled (optional)
K	packed in kits (optional)

2 STAUFF GROUP & SIZE OF CLAMP BODY

Group	Tube O.D. in mm	Tube O.D. in inch	Nominal Bore Pipe	Material Code
STAUFF 1 DIN 0	6	1/4		106
	6,4	1/4		106,4
	8	5/16		108
	9,5	3/8		109,5
	10		1/2	110
STAUFF 1A DIN 1	12			112
	6			106A
	6,4	1/4		106,4A
	8	5/16		108A
	9,5	3/8		109,5A
STAUFF 2 DIN 2	10		1/2	110A
	12			112A
	12,7	1/2		212,7
	13,5		1/4	213,5
	14			214
STAUFF 3 DIN 3	15			215
	16	5/8		216
	17,2		3/4	217,2
	18			218
	19	3/4		319
STAUFF 4 DIN 4	20			320
	21,3		1/2	321,3
	22	7/8		322
	25			325
	25,4	1		325,4
STAUFF 5 DIN 5	26,9		3/4	426,9
	28			428
	30			430

2 STAUFF GROUP & SIZE OF CLAMP BODY CONTINUATION

Group	Tube O.D. in mm	Tube O.D. in inch	Nominal Bore Pipe	Material Code
STAUFF 5 DIN 5	32	1 1/4		532
	33,7		1	533,7
	35			535
	38	1 1/2		538
	40			540
STAUFF 6 DIN 6	42		1 1/4	542
	44,5	1 3/4		644,5
	48,3		1 1/2	648,3
	50,8	2		650,8
	57,2	2 1/4		757,2
STAUFF 7 DIN 7	60,3		2	760,3
	63,5	2 1/2		763,5
	70	2 3/4		770
	73		2 1/2	773 *4
	76,1	3	2 1/2	776,1 *5
STAUFF 8 DIN 8	88,9		3	888,9
	102	4		8102L

5 TYPE OF THREAD

M	Metric Thread
U	UNC Thread

6 MATERIAL & SURFACE FINISHING OF METAL PARTS *6

W1	all parts are untreated
W2	all parts are phosphated
W3	all parts are zinc plated
W4	all metal parts made of stainless steel A2 - 1.4301/1.4305 (AISI 304)
W5	all metal parts made of stainless steel A4 - 1.4401/1.4571 (AISI 316/316Ti)
W10	weld plate phosphated, all other parts zinc plated
W11	rail nut untreated, all other parts zinc plated

Consult factory for available hose sizes.

TECHNICAL NOTES

*1 SEE MATERIAL PROPERTIES ON PAGE C52. OTHER CLAMP BODY MATERIALS AND COLORS ARE AVAILABLE UPON REQUEST.

*2 AVAILABLE FOR STAUFF GROUP 1A TO 6 ONLY. (DIN GROUP 1 TO 6).

*3 AVAILABLE FOR STAUFF GROUP 1 TO 6 ONLY. (DIN GROUP 0 TO 6).

*4 NOMINAL BORE, EXCEPT DIN 2448.

*5 NOMINAL BORE, ONLY DIN 2448.

*6 INDIVIDUAL COMBINATIONS OF ALTERNATIVE SURFACE FINISHINGS AND SPECIAL PROPERTY MATERIALS ARE AVAILABLE UPON REQUEST.

212,7 PP DP-AS U W3

2x Hexagon Head Bolt

Surface: W3, Zinc Plated

Thread: UNC

1x Cover Plate

Surface: W3, Zinc Plated

1x Clamp (two halves)

Material: Polypropylene

Design: profiled inside, with tension clearance

Group: STAUFF 2

DIN 2

Tube-O.D.12,7 mm

W3 is standard for this type of installation.

212,7 PP IS U W3

2x Socket Cap Screw with washer

Surface: W3, Zinc Plated

Thread: metric

1x Clamp (two halves)

Material: Polypropylene

Design: profiled inside, with tension clearance

Group: STAUFF 2

DIN 2

Tube-O.D.12,7 mm

W3 is standard for this type of installation.

212,7 PP LI U W3

2x Slotted Head Screw with washer

Surface: W3, Zinc Plated

Thread: metric

1x Clamp (two halves)

Material: Polypropylene

Design: profiled inside, with tension clearance

Group: STAUFF 2

DIN 2

Tube-O.D.12,7 mm

W3 is standard for this type of installation.

212,7 PP SIG-AF U W3

2x Stacking Bolt

Surface: W3, Zinc Plated

Thread: UNC

1x Safety Locking Plate

Surface: W3, Zinc Plated

1x Clamp (two halves)

Material: Polypropylene

Design: profiled inside, with tension clearance

Group: STAUFF 2

DIN 2

Tube-O.D.12,7 mm

W3 is standard for this type of installation.

SP 106 PP DP-AS U W10

1x Hexagon Head Bolt

Surface: W3, Zinc Plated

Thread: UNC

1x Cover Plate

Surface: W3, Zinc Plated

1x Clamp (two halves)

Material: Polypropylene

Design: profiled inside, with tension clearance

Group: STAUFF 1

DIN 0

Tube-O.D.6 mm

1x Single Weld Plate

Surface: W2, Phosphated

Thread: UNC

W10 is standard for this type of installation.

106 PP SIG-AF U W3

1x Stacking Bolt

Surface: W3, Zinc Plated

Thread: UNC

1x Safety Locking Plate

Surface: W3, Zinc Plated

1x Clamp (two halves)

Material: Polypropylene

Design: profiled inside, with tension clearance

Group: STAUFF 1

DIN 0

Tube-O.D.6 mm

W3 is standard for this type of installation.

SP 212,7 PPH DP-AS U W10

2x Hexagon Head Bolt

Surface: W3, Zinc Plated

Thread: UNC

1x Cover Plate

Surface: W3, Zinc Plated

1x Clamp (two halves)

Material: Polypropylene

Design: smooth inside, without tension clearance

Group: STAUFF 2

DIN 2

Hose-O.D.12,7 mm

1x Single Weld Plate

Surface: W2, Phosphated

Thread: UNC

W10 is standard for this type of installation.

NOTES REGARDING THE USE OF THE CHANNEL RAIL ADAPTOR CRA

The CHANNEL RAIL ADAPTOR Type CRA is suitable for the following channel rails:

UNISTRUT-Rails

P1000, P1000T, P1000V, P1000VT, P1001

P2000, P2000T

P3003, P3003T, P3300V, P3300VT, P3301

P4000, P4000T

P5000, P5000T, P5001, P5500, P5500T, P5501

STAUFF-Rails

SCS 048-1-PL, SCS 120-1- PL, SCS 120-1-GR,

SCS 048-1-GR (see page C42 for details)

HALFEN-Rails

HM 41/41

HZA 41/22

HZM 41/41

HZM 41/22

HL 41/41, HL 41/B2

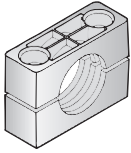
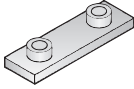
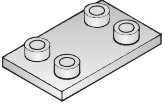
C10



Clamps - Heavy Series

(for O.D. 6 to 406 mm)

ORDER CODES - COMPONENTS according to DIN 3015, Part 2


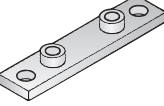
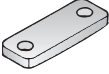
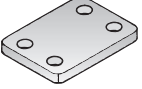



ALSO AVAILABLE						CLAMP BODY consisting of two clamp halves	WELD PLATE FOR SINGLE CLAMPS SPAL	WELD PLATE FOR DOUBLE CLAMPS SPAS
Extensive range of special clamping systems and accessories, e.g. for noise and vibration reduced installation, for electric sensors and cables or for particular mounting purposes see pages C26 to C31								
Custom designed pipe clamps (machined and injection molded versions) according to customer's specifications or based on STAUFF developments see pages C32 to C33								
MATERIAL & SURFACE FINISHING CODE (ALL DISPLAYED OPTIONS ARE STANDARD DELIVERY)						SEE COMPONENT PART IDENTIFICATION	3S- 7S: W2 8S-12S: W1	3S- 7S: W2 8S-12S: W1
ORDERING INFORMATION						* ** * ↓ STAUFF GROUP (SEE BELOW) ↓ OUTSIDE DIAMETERS IN MM ↓ MATERIAL & DESIGN OF CLAMP BODY	SPAL ** * ↓ WELD PLATE FOR SINGLE CLAMPS SPAL ↓ STAUFF GROUP ↓ TYPE OF THREAD & MATERIAL & SURFACE FINISHING	SPAS ** * ↓ WELD PLATE FOR DOUBLE CLAMPS SPAS ↓ STAUFF GROUP ↓ TYPE OF THREAD & MATERIAL & SURFACE FINISHING
STAUFF GROUP	DIN GROUP	O.D. [MM]	O.D. [INCH]	NOMINAL BORE PIPE	HOSE			
3S	1	6				3006 ***	SPAL 3S * **	SPAS 3S * **
		6,4	1/4			3006,4 ***		
		8				3008 ***		
		9,5	3/8			3009,5 ***		
		10		1/8		3010 ***		
		12				3012 ***		
		12,7	1/2			3012,7 ***		
		13,7		1/4		3013,7 ***		
		14				3014 ***		
		15				3015 ***		
		16	5/8			3016 ***		
		17,1		3/8		3017,1 ***		
		18				3018 ***		
		15			1/4	4015 ***	SPAL 4S * **	SPAS 4S * **
4S	2	19	3/4			4019 ***		
		19,8			3/8	4019,8 ***		
		20				4020 ***		
		21,3		1/2		4021,3 ***		
		22,1			1/2	4022,1 ***		
		22,2	7/8			4022,2 ***		
		25,1			5/8	4025,1 ***		
		25,4	1			4025,4 ***		
		26,7		3/4		4026,7 ***		
		29,2			3/4	4029,2 ***		
5S	3	32	1 1/4			5032 ***	SPAL 5S * **	SPAS 5S * **
		33,4		1		5033,4 ***		
		38	1 1/2			5038 ***		
		40				5040 ***		
		42,2		1 1/4		5042,2 ***		
6S	4	37,8			1	6037,8 ***	SPAL 6S * **	SPAS 6S * **
		42,2		1 1/4		6042,2 ***		
		44,5	1 3/4			6044,5 ***		
		48,3		1 1/2		6048,3 ***		
		48,4			1 1/4	6048,4 ***		
		50,8			2	6050,8 ***		
		54,4			1 1/2	6054,4 ***		
		57,2	2 1/4			6057,2 ***		
		60,3		2		6060,3 ***		
		63,5	2 1/2			6063,5 ***		
		70				6070 ***		
		70	2 3/4			7070 ***	SPAL 7S * **	SPAS 7S * **
7S	5	73		2 1/2	ANSI B 36-10	7073 ***		
		76,2	3	2 1/2	other standards	7076,2 ***		
		88,9	3 1/2	3		7088,9 ***		
8S	6	88,9	3 1/2	3		8088,9 ***	SPAL 8S * **	SPAS 8S * **
		102	4	3 1/2		8102 ***		
		114	4 1/2	4		8114 ***		
		127	5			8127 ***		
		127	5			9127 ***	SPAL 9S * **	SPAS 9S * **
9S	7	140		5		9140 ***		
		152	6			9152 ***		
		168		6		9168 ***		
		168		6		10168 ***	SPAL 10S * **	SPAS 10S * **
10S	8	203				10203 ***		
		219		8		10219 ***		
		219		8		11279 ***	SPAL 11S * **	SPAS 11S * **
11S	9	273		10		11273 ***		
		324		12		11324 ***		
12S	10	356		14		12356 ***	SPAL 12S * **	SPAS 12S * **
		406		16		12406 ***		



Clamps - Heavy Series

(for O.D. 6 to 406 mm)

ORDER CODES - COMPONENTS according to DIN 3015, Part 2

CHANNEL RAIL ADAPTOR CRA	ELONGATED WELD PLATE FOR SINGLE CLAMPS SPAL/DUB	COVER PLATE FOR SINGLE CLAMPS DPAL	COVER PLATE FOR DOUBLE CLAMPS DPAS	HEXAGON HEAD BOLT AS	SOCKET CAP SCREW IS	STACKING BOLT AF
suitable for several types of channel rails, see page C19  Group 3S - 6S			 Group 3S - 6S Group 3S - 10S			
W3	3S- 7S: W2 8S-12S: W1	3S- 7S: W2 8S-12S: W1	3S- 7S: W2 8S-12S: W1	W1	W1	W2
CRA ** * ↓ CHANNEL RAIL- ADAPTOR CRA ↓ STAUFF GROUP ↓ TYPE OF THREAD & MATERIAL & SURFACE FINISHING	SPAL/DUB *** ↓ ELONGATED WELD PLATE FOR SINGLE CLAMPS SPAL/DUB ↓ STAUFF GROUP ↓ TYPE OF THREAD & MATERIAL & SURFACE FINISHING	DPAL ** * ↓ COVER PLATE FOR SINGLE CLAMPS DPAL ↓ STAUFF GROUP ↓ MATERIAL & SURFACE FINISHING	DPAS ** * ↓ COVER PLATE FOR DOUBLE CLAMPS DPAS ↓ STAUFF GROUP ↓ MATERIAL & SURFACE FINISHING	AS ** * ↓ HEXAGON HEAD BOLT AS ↓ STAUFF GROUP ↓ TYPE OF THREAD & MATERIAL & SURFACE FINISHING	IS ** * ↓ SOCKET CAP SCREW IS ↓ STAUFF GROUP ↓ TYPE OF THREAD & MATERIAL & SURFACE FINISHING	AF ** * ↓ STACKING BOLT AF ↓ STAUFF GROUP ↓ TYPE OF THREAD & MATERIAL & SURFACE FINISHING
CRA 3-5 S * ** for use with bolt 3/8 - 16UNC x 1-3/4	SPAL/DUB 3S * **	DPAL 3S **	DPAS 3S **	AS 3S * **	IS 3S * **	AF 3S * **
CRA 3-5 S * ** for use with bolt 3/8 - 16UNC x 2 LG	SPAL/DUB 4S * **	DPAL 4S **	DPAS 4S **	AS 4S * **	IS 4S * **	AF 4S * **
CRA 3-5 S * ** for use with bolt 3/8 - 16UNC x 2-1/2 LG	SPAL/DUB 5S * **	DPAL 5S **	DPAS 5S **	AS 5S * **	IS 5S * **	AF 5S * **
CRA 6S * ** for use with bolt 3/16 - 14UNC x 3-3/4 LG	SPAL/DUB 6S * **	DPAL 6S **	DPAS 6S **	AS 6S * **	IS 6S * **	AF 6S * **
---	SPAL/DUB 7S * **	DPAL 7S **	DPAS 7S **	AS 7S * **	---	AF 7S * **
---	SPAL/DUB 8S * **	DPAL 8S **	DPAS 8S **	AS 8S * **	---	AF 8S * **
---	SPAL/DUB 9S * **	DPAL 9S **	DPAS 9S **	AS 9S * **	---	AF 9S * **
---	SPAL/DUB 10S * **	DPAL 10S **	DPAS 10S **	AS 10S * **	---	AF 10S * **
---	SPAL/DUB 11S * **	DPAL 11S **	DPAS 11S **	AS 11S * **	---	---
---	SPAL/DUB 12S * **	DPAL 12S **	DPAS 12S **	AS 12S * **	---	---

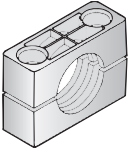
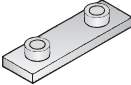
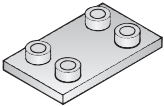


Clamps - Heavy Series

(for O.D. 6 to 406 mm)

ORDER CODES - COMPONENTS

according to DIN 3015, Part 2

ALSO AVAILABLE Extensive range of special clamping systems and accessories, e.g. for noise and vibration reduced installation, for electric sensors and cables or for particular mounting purposes see pages C26 to C31 Custom designed pipe clamps (machined and injection molded versions) according to customer's specifications or based on STAUFF developments see pages C32 to C33						CLAMP BODY consisting of two clamp halves	WELD PLATE FOR SINGLE CLAMPS SPAL	WELD PLATE FOR DOUBLE CLAMPS SPAS
								
MATERIAL & SURFACE FINISHING CODE (ALL DISPLAYED OPTIONS ARE STANDARD DELIVERY)						SEE COMPONENT PART IDENTIFICATION	3S- 7S: W2 8S-12S: W1	3S- 7S: W2 8S-12S: W1
ORDERING INFORMATION						* ** * ** * ↓ STAUFF GROUP (SEE BELOW) ↓ OUTSIDE DIAMETERS IN MM ↓ MATERIAL & DESIGN OF CLAMP BODY	SPAL * ** * ** * ↓ WELD PLATE FOR SINGLE CLAMPS SPAL ↓ STAUFF GROUP ↓ TYPE OF THREAD & MATERIAL & SURFACE FINISHING	SPAS * ** * ** * ↓ WELD PLATE FOR DOUBLE CLAMPS SPAS ↓ STAUFF GROUP ↓ TYPE OF THREAD & MATERIAL & SURFACE FINISHING
STAUFF GROUP	DIN GROUP	O.D. [MM]	O.D. [INCH]	NOMINAL BORE PIPE	HOSE			
3S	1	6				3006 ***	SPAL 3S * **	SPAS 3S * **
		6,4	1/4			3006,4 ***		
		8				3008 ***		
		9,5	3/8			3009,5 ***		
		10		1/8		3010 ***		
		12				3012 ***		
		12,7	1/2			3012,7 ***		
		13,7		1/4		3013,7 ***		
		14				3014 ***		
		15				3015 ***		
		16	5/8			3016 ***		
		17,1		3/8		3017,1 ***		
		18				3018 ***		
4S	2	15			1/4	4015 ***	SPAL 4S * **	SPAS 4S * **
		19	3/4			4019 ***		
		19,8			3/8	4019,8 ***		
		20				4020 ***		
		21,3		1/2		4021,3 ***		
		22,1			1/2	4022,1 ***		
		22,2	7/8			4022,2 ***		
		25,1			5/8	4025,1 ***		
		25,4	1			4025,4 ***		
		26,7		3/4		4026,7 ***		
		29,2			3/4	4029,2 ***		
5S	3	32	1 1/4			5032 ***	SPAL 5S * **	SPAS 5S * **
		33,4		1		5033,4 ***		
		38	1 1/2			5038 ***		
		40				5040 ***		
6S	4	42,2		1 1/4		5042,2 ***	SPAL 6S * **	SPAS 6S * **
		37,8			1	6037,8 ***		
		42,2		1 1/4		6042,2 ***		
		44,5	1 3/4			6044,5 ***		
		48,3		1 1/2		6048,3 ***		
		48,4			1 1/4	6048,4 ***		
		50,8			2	6050,8 ***		
		54,4			1 1/2	6054,4 ***		
		57,2	2 1/4			6057,2 ***		
		60,3		2		6060,3 ***		
		63,5	2 1/2			6063,5 ***		
		70				6070 ***		
		70	2 3/4			7070 ***		
		73		2 1/2	ANSI B 36-10	7073 ***		
7S	5	76,2	3		2 1/2 other standards	7076,2 ***	SPAL 7S * **	SPAS 7S * **
		88,9	3 1/2		3	7088,9 ***		
		88,9	3 1/2		3	8088,9 ***		
8S	6	102		4	3 1/2	8102 ***	SPAL 8S * **	SPAS 8S * **
		114	4 1/2		4	8114 ***		
		127		5		8127 ***		
9S	7	127		5		9127 ***	SPAL 9S * **	SPAS 9S * **
		140			5	9140 ***		
		152		6		9152 ***		
		168			6	9168 ***		
10S	8	168			6	10168 ***	SPAL 10S * **	SPAS 10S * **
		203				10203 ***		
		219			8	10219 ***		
11S	9	219			8	11279 ***	SPAL 11S * **	SPAS 11S * **
		273			10	11273 ***		
		324			12	11324 ***		
12S	10	356			14	12356 ***	SPAL 12S * **	SPAS 12S * **
		406			16	12406 ***		


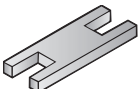
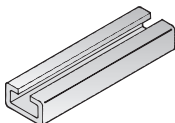



Clamps - Heavy Series

(for O.D. 6 to 406 mm)

ORDER CODES - COMPONENTS

according to DIN 3015, Part 2

SAFETY WASHER SI	SAFETY LOCKING PLATE SIP	MOUNTING RAIL STSV	MOUNTING RAIL NUT GMV
for use with HEXAGON HEAD BOLT AS 	 Group 3S - 10S	 up to Group 6S	 up to Group 6S
W3	3S- 7S: W2 8S-10S: W1	W1	W3
SI ** ** ↓ SAFETY WASHER SI ↓ INNER DIAMETER ↓ MATERIAL & SURFACE FINISHING	SIP ** ** ↓ SAFETY LOCKING PLATE SIP ↓ STAUFF GROUP ↓ MATERIAL & SURFACE FINISHING	STSV * ** ↓ MOUNTING RAIL STSV ↓ LENGTH OF RAIL IN M ↓ MATERIAL & SURFACE FINISHING	GMV * ** ** ↓ MOUNTING RAIL NUT GMV ↓ STAUFF GROUP (3-5S OR 6S) ↓ TYPE OF THREAD & MATERIAL & SURFACE FINISHING
SI 10,5 **	SIP 3S **	STSV * ** available lengths: 1m and 2m 3,28' and 6,56'	GMV 3-5S * **
SI 10,5 **	SIP 4S **		
SI 10,5 **	SIP 5S **		
SI 13 **	SIP 6S **		
SI 17 **	SIP 7S **	---	---
SI 21 **	SIP 8S **	---	---
SI 25 **	SIP 9S **	---	---
SI 31 **	SIP 10S **	---	---
SI 31 **	---	---	---
SI 31 **	---	---	---

COMPONENT PART IDENTIFICATION			
FOR HEAVY SERIES CLAMP BODIES AND COMPONENTS			
CLAMP BODY			
MATERIAL	DESIGN	COLOR	CODE
Polypropylene	profiled inside, with tension clearance	green	PP
Polypropylene	smooth inside, without tension clearance	green	PPH
Polyamide	profiled inside, with tension clearance	black	PA
Polyamide	smooth inside, without tension clearance	black	PAH
Santoprene	profiled inside, with tension clearance	black	SA
Santoprene	smooth inside, without tension clearance	black	SAH
Aluminium	profiled inside, with tension clearance	natural	AL
PPH, PAH, SA and SAH are available up to STAUFF Group 6S only. Alternative materials, designs and colors in addition to the above stated standard are available upon request.			
METAL PARTS			
MATERIAL	SURFACE FINISHING		CODE
carbon steel St37	untreated		W1
carbon steel St37	phosphated		W2
carbon steel St37	zinc plated		W3
stainless steel A2 - 1.4301 / 1.4305 (AISI 304)			W4
stainless steel A4 - 1.4401 / 1.4571 (AISI 316/316Ti)			W5
Alternative materials and surface finishings in addition to the above stated standard are available upon request			
THREADED PARTS			
TYPE OF THREAD			CODE
Metric Thread			M
UNC Thread			U
All threaded parts are available with Metric or UNC Thread.			



Clamps - Heavy Series

(for O.D. 6 to 406 mm)

DIMENSIONS - COMPONENTS according to DIN 3015, Part 2

MATERIAL & SURFACE FINISHING OF METAL PARTS				CLAMP BODY consisting of two clamp halves					WELD PLATE FOR SINGLE CLAMPS SPAL										WELD PLATE FOR DOUBLE CLAMPS SPAS														
<div>carbon steel St37, untreated</div> <div>carbon steel St37, phosphated</div> <div>carbon steel St37, zinc plated</div> <div>stainless steel A2 - 1.4301/1.4305 (AISI304)</div> <div>stainless steel A4 - 1.4401/1.4571 (AISI316/316Ti)</div> <div>W1</div> <div>W2</div> <div>W3</div> <div>W4</div> <div>W5</div>																																	
				SEE COMPONENT PART IDENTIFICATION										3S- 7S: W2 8S-12S: W1										3S- 7S: W2 8S-12S: W1									
				STAUFF GROUP	DIN GROUP	O.D.	L1		L2	Inside Surface			Width	L1	L2	B	S	H	G	ØD1	L1	L2	B1	B2	S	H	G	ØD1					
							PP/PA	AL		Profiled		Smooth																	mm	in	mm	in	mm
							mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	
3S	1	6 to 18 mm 1/4" to 5/8"	55	56	33	32	0,6 min.	30,5	30,5	74	33	30	8	8	M10	18	74	33	60	30,5	8	8	M10	18									
			2,16	2,20	1,30	1,26	0,02	1,20	1,20	2,91	1,30	1,18	0,31	0,31	3/8-16UNC	0,71	2,91	1,30	2,36	1,20	0,31	0,31	3/8-16UNC	0,71									
4S	2	15 to 29,2 mm 3/4" to 1 1/8"	70	70	45	48	0,6 min.	46,5	30,5	86	45	30	8	8	M10	18	88	45	60	30,5	8	8	M10	18									
			2,76	2,76	1,77	1,89	0,02	1,83	1,20	3,39	1,77	1,18	0,31	0,31	3/8-16UNC	0,71	3,39	1,77	2,36	1,20	0,31	0,31	3/8-16UNC	0,71									
5S	3	32 to 42,2 mm 1 1/4" to 1 5/8"	85	85	60	60	0,6 min.	58	30,5	100	60	30	8	8	M10	18	100	60	60	30,5	8	8	M10	18									
			3,35	3,35	2,36	2,36	0,02	2,28	1,20	3,94	2,36	1,18	0,31	0,31	3/8-16UNC	0,71	3,94	2,36	2,36	1,20	0,31	0,31	3/8-16UNC	0,71									
6S	4	37,8 to 70 mm 1 3/4" to 2 3/4"	115	120	90	89	2 min.	87	45	140	90	45	10	8	M12	20	140	90	90	46	10	8	M12	20									
			4,53	4,72	3,54	3,50	0,08	3,43	1,77	5,51	3,54	1,77	0,39	0,31	7/16-14UNC	0,78	5,51	3,54	3,54	1,81	0,39	0,31	7/16-14UNC	0,78									
7S	5	70 to 88,9 mm 2-3/4" to 3-1/2"	152	150	122	120	2 min.		60	180	122	60	10	12	M16	24	180	122	120	61	10	12	M16	24									
			5,98	5,91	4,80	4,72	0,08		2,36	7,09	4,80	2,36	0,39	0,47	5/8-11UNC	0,94	7,09	4,80	4,72	2,40	0,39	0,47	5/8-11UNC	0,94									
8S	6	88,9 to 127 mm 3-1/2" to 5"	206	208	168	168	2 min.		80	226	168	80	15	18	M20	30	226	168	160	81	15	18	M20	30									
			8,11	8,19	6,61	6,61	0,08		3,15	8,90	6,61	3,15	0,59	0,71	3/4-10UNC	1,18	8,90	6,61	6,30	3,19	0,59	0,71	3/4-10UNC	1,18									
9S	7	127 to 168 mm 5" to 6"	251	255	205	200	3 min.		91	270	205	90	15	21	M24	35	270	205	180	91	15	21	M24	35									
			9,88	10,04	8,07	7,87	0,12		3,58	10,63	8,07	3,54	0,59	0,83	7/8-9UNC	1,38	10,63	8,07	7,09	3,58	0,59	0,83	7/8-9UNC	1,38									
10S	8	168 to 219 mm 6" to 8"	336	326	265	270	3 min.		120	340	265	120	25	21	M30	45	340	265	240	121	25	21	M30	45									

C15

CHANNEL RAIL ADAPTOR CRA					ELONGATED WELD PLATE FOR SINGLE CLAMPS SPAL/DUB										COVER PLATE FOR SINGLE CLAMPS DPAL						COVER PLATE FOR DOUBLE CLAMPS DPAS					
 Group 3S - 6S					 										 						 					
W3					3S- 7S: W2 8S-12S: W1										3S- 7S: W2 8S-12S: W1						3S- 7S: W2 8S-12S: W1					
G	L	B	H1	H2	L1	L2	L3	B	S	H	G	øD1	øD2	L1	L2	B	S	øD	L1	L2	B1	B2	S	øD		
mm	in	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
M10	38	22	18,5	27,5	/	/	/	/	/	/	M10	18	13	/	/	/	/	/	/	/	/	/	/	/		
/	/	/	/	/	4.45	1.30	3.35	1.18	0.31	0.31	3/8-16UNC	0.71	0.71	2.16	1.30	1.18	0.31	0.43	2.16	1.30	2.36	1.18	0.31	0.43		
/	/	/	/	/	125	45	97	30	8	8	M10	18	13	70	45	30	8	11	70	45	60	30	8	11		
/	/	/	/	/	/	/	/	/	/	/	3/8-16UNC	0.71	0.71	2.76	1.77	1.18	0.31	0.43	2.76	1.77	2.36	1.18	0.31	0.43		
/	/	/	/	/	140	60	112	30	8	8	M10	18	13	83	60	30	8	11	83	60	60	30	8	11		
3/8-16UNC	1.50	0.87	0.73	1.08	5.51	2.36	4.41	1.18	0.31	0.31	3/8-16UNC	0.71	0.71	3.27	2.36	1.18	0.31	0.43	3.27	2.36	2.36	1.18	0.31	0.43		
M12	45	25	17	27,5	187	90	155	45	10	8	M12	20	16	115	90	45	10	14	116	90	90	46	10	14		
/	/	/	/	/	7.36	3.54	6.10	1.77	0.39	0.31	7/16-14UNC	0.78	0.79	4.53	3.54	1.77	0.39	0.55	4.57	3.54	3.54	1.81	0.39	0.55		
7/16-14UNC	1.77	0.98	0.67	1.08	238	122	198	60	10	12	M16	24	21	152	122	60	10	19	153	122	120	61	10	19		
---	---	---	---	---	9.37	4.80	7.80	2.36	0.39	0.47	5/8-11UNC	0.94	0.94	5.98	4.80	2.36	0.39	0.75	6.02	4.80	4.72	2.40	0.39	0.75		
---	---	---	---	---	309	168	259	80	15	18	M20	30	26	206	168	80	15	22	206	168	160	81	15	22		
---	---	---	---	---	12.17	6.61	10.20	3.15	0.59	0.71	3/4-10UNC	1.18	1.18	8.11	6.61	3.15	0.59	0.87	8.11	6.61	6.30	3.19	0.59	0.87		
---	---	---	---	---	370	205	310	90	15	21	M24	35	31	251	205	90	15	26	251	205	180	91	15	26		
---	---	---	---	---	14.57	8.07	12.20	3.54	0.59	0.83	7/8-9UNC	1.38	1.38	9.88	8.07	3.54	0.59	1.02	9.88	8.07	7.09	3.58	0.59	1.02		
---	---	---	---	---	440	265	380	120	25	21	M30	45	31	320	265	120	25	35	320	265	240	120	25	35		
---	---	---	---	---	17.32	10.43	14.96	4.72	0.98	0.83	1-1/8-7UNC	1.77	1.77	12.60	10.43	4.72	0.98	1.38	12.60	10.43	9.45	4.72	0.98	1.38		
---	---	---	---	---	590	395	530	160	30	38	M30	50	31	470	395	160	30	35	470	395	321	166	30	35		
---	---	---	---	---	23.23	15.55	20.87	6.30	1.18	1.50	1-1/4-7UNC	1.97	1.97	18.50	15.55	6.30	1.18	1.38	18.50	15.55	12.64	6.54	1.18	1.38		
---	---	---	---	---	750	534	690	180	30	38	M30	50	31	630	534	180	30	35	630	534	361	186	30	35		
---	---	---	---	---	29.53	21.02	27.17	7.09	1.18	1.50	1-1/4-7UNC	1.97	1.97	24.80	21.02	7.09	1.18	1.38	24.80	21.02	14.21	7.32	1.18	1.38		



Clamps - Heavy Series

(for O.D. 6 to 406 mm)

DIMENSIONS - COMPONENTS according to DIN 3015, Part 2

CLAMPS

MATERIAL & SURFACE FINISHING OF METAL PARTS			CLAMP BODY consisting of two clamp halves										WELD PLATE FOR SINGLE CLAMPS SPAL										WELD PLATE FOR DOUBLE CLAMPS SPAS																				
carbon steel St37, untreated carbon steel St37, phosphated carbon steel St37, zinc plated stainless steel A2 - 1.4301/1.4305 (AISI304) stainless steel A4 - 1.4401/1.4571 (AISI316/316Ti)			W1 W2 W3 W4 W5																																								
						SEE COMPONENT PART IDENTIFICATION										3S- 7S: W2 8S-12S: W1										3S- 7S: W2 8S-12S: W1																	
						L1		L2		Inside Surface		Width		L1		L2		B		S		H		G		ØD1		L1		L2		B1		B2		S		H		G		ØD1	
						PP/PA	AL	Profiled		Smooth																																	
STAUFF GROUP	DIN GROUP	O.D.	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in							
3S	1	6 to 18 mm 1/4" to 5/8"	55	56	33	32	0,6 min.	30,5	30,5	74	33	30	8	8	M10	18	74	33	60	30,5	8	8	M10	18	2,16	2,20	1,30	1,26	0,02	1,20	1,20	2,91	1,30	1,18	0,31	0,31	3/8-16UNC	0,71					
			2,16	2,20	1,30	1,26	0,02	1,20	1,20	2,91	1,30	1,18	0,31	0,31	3/8-16UNC	0,71	2,91	1,30	2,36	1,20	0,31	0,31	3/8-16UNC	0,71																			
4S	2	15 to 29,2 mm 3/4" to 1 1/8"	70	70	45	48	0,6 min.	46,5	30,5	86	45	30	8	8	M10	18	88	45	60	30,5	8	8	M10	18	2,76	2,76	1,77	1,89	0,02	1,83	1,20	3,39	1,77	1,18	0,31	0,31	3/8-16UNC	0,71					
			2,76	2,76	1,77	1,89	0,02	1,83	1,20	3,39	1,77	1,18	0,31	0,31	3/8-16UNC	0,71	3,39	1,77	2,36	1,20	0,31	0,31	3/8-16UNC	0,71																			
5S	3	32 to 42,2 mm 1 1/4" to 1 5/8"	85	85	60	60	0,6 min.	58	30,5	100	60	30	8	8	M10	18	100	60	60	30,5	8	8	M10	18	3,35	3,35	2,36	2,36	0,02	2,28	1,20	3,94	2,36	1,18	0,31	0,31	3/8-16UNC	0,71					
			3,35	3,35	2,36	2,36	0,02	2,28	1,20	3,94	2,36	1,18	0,31	0,31	3/8-16UNC	0,71	3,94	2,36	2,36	1,20	0,31	0,31	3/8-16UNC	0,71																			
6S	4	37,8 to 70 mm 1 3/4" to 2 3/4"	115	120	90	89	2 min.	87	45	140	90	45	10	8	M12	20	140	90	90	46	10	8	M12	20	4,53	4,72	3,54	3,50	0,08	3,43	1,77	5,51	3,54	1,77	0,39	0,31	7/16-14UNC	0,78					
			4,53	4,72	3,54	3,50	0,08	3,43	1,77	5,51	3,54	1,77	0,39	0,31	7/16-14UNC	0,78	5,51	3,54	3,54	1,81	0,39	0,31	7/16-14UNC	0,78																			
7S	5	70 to 88,9 mm 2-3/4" to 3-1/2"	152	150	122	120	2 min.		60	180	122	60	10	12	M16	24	180	122	120	61	10	12	M16	24	5,98	5,91	4,80	4,72	0,08		2,36	7,09	4,80	2,36	0,39	0,47	5/8-11UNC	0,94					
			5,98	5,91	4,80	4,72	0,08		2,36	7,09	4,80	2,36	0,39	0,47	5/8-11UNC	0,94	7,09	4,80	4,72	2,40	0,39	0,47	5/8-11UNC	0,94																			
8S	6	88,9 to 127 mm 3-1/2" to 5"	206	208	168	168	2 min.		80	226	168	80	15	18	M20	30	226	168	160	81	15	18	M20	30	8,11	8,19	6,61	6,61	0,08		3,15	8,90	6,61	3,15	0,59	0,71	3/4-10UNC	1,18					
			8,11	8,19	6,61	6,61	0,08		3,15	8,90	6,61	3,15	0,59	0,71	3/4-10UNC	1,18	8,90	6,61	6,30	3,19	0,59	0,71	3/4-10UNC	1,18																			
9S	7	127 to 168 mm 5" to 6"	251	255	205	200	3 min.		91	270	205	90	15	21	M24	35	270	205	180	91	15	21	M24	35	9,88	10,04	8,07	7,87	0,12		3,58	10,63	8,07	3,54	0,59	0,83	7/8-9UNC	1,38					
			9,88	10,04	8,07	7,87	0,12		3,58	10,63	8,07	3,54	0,59	0,83	7/8-9UNC	1,38	10,63	8,07	7,09	3,58	0,59	0,83	7/8-9UNC	1,38																			
10S	8	168 to 219 mm 6" to 8"	336	326	265	270	3 min.		120	340	265	120	25	21	M30	45	340	265	240	121	25	21	M30	45	13,22	12,83	10,43	10,63	0,12		4,72	13,39	10,43	4,72	0,98	0,83	1-1/8-7UNC	1,77					
			13,22	12,83	10,43	10,63	0,12		4,72	13,39	10,43	4,72	0,98	0,83	1-1/8-7UNC	1,77	13,69	10,43	9,45	4,76	0,98	0,83	1-1/8-7UNC	1,77																			
11S	9	219 to 324 mm 8" to 12"	470	470	395	410	8 min.		162	520	395	160	30	38	M30	50	520	395	324	166	30	38	M30	50	18,50	18,50	15,55	16,14	0,31		6,38	20,47	15,55	6,30	1,18	1,50	1-1/4-7UNC	1,97					
			18,50	18,50	15,55	16,14	0,31		6,38	20,47	15,55	6,30	1,18	1,50	1-1/4-7UNC	1,97	20,47	15,55	12,76	6,54	1,18	1,50	1-1/4-7UNC	1,97																			
12S	10	356 to 406 mm 14" to 16"	630	630	534	530	20 min.		182	680	534	180	30	38	M30	50	680	534	364	186	30	38	M30	50	24,80	24,80	21,02	20,87	0,79		7,16	26,77	21,02	7,09	1,18	1,50	1-1/4-7UNC	1,97					
			24,80	24,80	21,02	20,87	0,79		7,16	26,77	21,02	7,09	1,18	1,50	1-1/4-7UNC	1,97	26,77	21,02	14,33	7,32	1,18	1,50	1-1/4-7UNC	1,97																			

C14



Clamps - Heavy Series

(for O.D. 6 to 406 mm)

DIMENSIONS - COMPONENTS according to DIN 3015, Part 2

HEXAGON HEAD BOLT AS	SOCKET CAP SCREW IS	STACKING BOLT AF	SAFETY WASHER SI	SAFETY LOCKING PLATE SIP	MOUNTING RAIL STSV	MOUNTING RAIL NUT GMV
	Group 3S - 6S	Group 3S - 10S	for use with HEXAGON HEAD BOLT AS	Group 3S - 10S	up to Group 6S	up to Group 6S
W3	W3	W2	W3	3S- 7S: W2 8S-10S: W1	W1	W3
G x L	G x L	G L1 L2 L3 SW	ØD	L1 L2 B1 B2 S	B1 B2 H S	ØD1 ØD2 H1 H2 H3 G
mm	mm	mm mm mm mm mm	mm	mm mm mm mm mm	mm mm mm mm	mm mm mm mm mm
in	in	in in in in in	in	in in in in in	in in in in	in in in in in
M10 x 45	M10 x 30	M10 49 25 15 min. 15	10,5	57 13 30 15,2 8	40 13 22 5	17,8 24 21 7,6 7,4 M10
3/8-16UNC x 1-3/4	3/8-16UNC x 1-3/4	3/8-16UNC 1.93 0.98 0.59 0.59	0.41	2.24 0.51 1.18 0.60 0.31		
M10 x 60	M10 x 40	M10 65 40 15 min. 15	10,5	70 26 30 15,2 8		
3/8-16UNC x 2-1/4	3/8-16UNC x 2-1/4	3/8-16UNC 2.56 1.57 0.59 0.59	0.41	2.76 1.02 1.18 0.60 0.31		
M10 x 70	M10 x 50	M10 77 51 15 min. 17	10,5	85 40 30 15,2 8		
3/8-16UNC x 2-3/4	3/8-16UNC x 2-3/4	3/8-16UNC 3.03 2.01 0.59 0.59	0.41	3.35 1.57 1.18 0.60 0.31		0.70 0.94 0.83 0.30 0.29 3/8-16UNC
M12 x 100	M12 x 80	M12 110 82 18 min. 17	13,0	116 68 45 17,2 10		19,8 24 23 8,8 8,2 M12
7/16-14UNC x 4	7/16-14UNC x 4	7/16-14UNC 4.33 3.23 0.71 0.67	0.51	4.57 2.68 1.77 0.68 0.39	1.57 0.51 0.87 0.20	0.70 0.94 0.83 0.30 0.29 7/16-14UNC
M16 x 130	5/8-11UNC x 5-1/4	M16 144 110 24 min. 21	17,0	153 96 60 22 10		
M20 x 190	3/4-10UNC x 7-1/2	M20 200 150 30 min. 27	21,0	206 130 80 28 15		
M24 x 220	7/8-9UNC x 8-3/4	M24 240 180 50 min. 30	25,0	251 166 90 31 15		
M30 x 300	1-1/8-7UNC x 12	M30 331 256 62 min. 46	31,0	317 205 120 49 25		
M30 x 450	1-1/4-7UNC x 17-1/2		31,0			
M30 x 560	1-1/4-7UNC x 22		31,0			

C16

1 ***	2 *****, *	3 ***	4 ***** - **	5 *	6 W **	7 *
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1 TYPE OF INSTALLATION *11	
no code	without mounting plate, rail adaptor or rail nuts
SPAL	Weld Plate for Single Clamps
SPAS	Weld Plate for Double Clamps
SPAL/DUB	Elongated Weld Plate for Single Clamps
CRA *2 *3	Channel Rail Adaptor
GMV *2	Mounting Rail Nut

3 MATERIAL & DESIGN OF CLAMP BODY *1	
PP	Polypropylene, profiled inside, with tension clearance
PPH*2	Polypropylene, smooth inside, without tension clearance
PA	Polyamide, profiled inside, with tension clearance
PAH*2	Polyamide, smooth inside, without tension clearance
SA*10	Santoprene, profiled inside, with tension clearance
SAH*10	Santoprene, smooth inside, without tension clearance
AL	Aluminium, profiled inside, with tension clearance

4 MOUNTING & FITTING COMBINATION *11	
DPAL - AS	Single Cover Plate / Hexagon Head Bolt
DPAS - AS	Double Cover Plate / Hexagon Head Bolt
DPAS - IS	Cover Plate / Socket Cap Screw
IS *2	Socket Cap Screw
SIP - AF *4	Safety Locking Plate / Stacking Bolt

7 ASSEMBLING & PACKAGING	
no code	components supplied separately (standard)
A	assembled (optional)
K	packed in kits (optional)

2 STAUFF GROUP & SIZE OF CLAMP BODY					
Group	Tube O.D. in mm	Tube O.D. in inch	Nominal Bore Pipe	Hose	Material Code Clamp Body (both halves)
STAUFF 3S DIN 1	6				3006
	6,4	1/4			3006,4
	8				3008
	9,5	3/8			3009,5
	10		1/2		3010
	12				3012
	12,7	1/2			3012,7
	13,7		1/2		3013,7
	14				3014
	15				3015
STAUFF 4S DIN 2	16	5/8			3016
	17,1		3/4		3017,1
	18				3018
	15		1/4		4015 *7
	19	3/4			4019
	19,8		3/8		4019,8 *7
	20				4020
	21,3	1/2			4021,3
	22,1		1/2		4022,1 *7
	22,2	7/8			4022,2
STAUFF 5S DIN 3	25,1		5/8		4025,1 *7
	25,4	1			4025,4
	26,7	3/4			4026,7
	29,2		3/4		4029,2 *7
	32	1 1/4			5032
	33,4		1		5033,4
	38	1 1/2			5038
	40				5040
	42,2	1 3/4			5042,2

2 STAUFF GROUP & SIZE OF CLAMP BODY CONTINUATION					
Group	Tube O.D. in mm	Tube O.D. in inch	Nominal Bore Pipe	Hose	Material Code Clamp Body (both halves)
STAUFF 6S DIN 4	37,8			1	6037,8 *7
	42,2		1 1/4		6042,2
	44,5	1 1/4			6044,5
	48,3		1 1/2		6048,3
	48,4			1 1/4	6048,4 *7
	50,8	2			6050,8 *7
	54,4		1 1/2		6054,4 *7
	57,2	2 1/4			6057,2
	60,3		2		6060,3
	63,5	2 1/2			6063,5
STAUFF 7S DIN 5	70	2 3/4			6070
	70				7070
	73		2 1/2	*8	7073
	76,2	3	2 1/2	*9	7076,2
	88,9	3 1/2	3		7088,9
	88,9	3 1/2	3		8088,9
	102	4	3 1/2		8102
	114	4 1/2	4		8114
	127	5			8127
	127				9127
STAUFF 8S DIN 6	140		5		9140
	152	6			9152
	168		6		9168
	168		6		10168
	203				10203
	219		8		10219
	219		8		11219
	273		10		11273
	324	12			11324
	356	14			12356
STAUFF 10S DIN 8	406	16			12406

5 TYPE OF THREAD *5	
M	Metric Thread
U	UNC Thread

6 MATERIAL & SURFACE FINISHING OF METAL PARTS *6	
W1	all parts are untreated
W2	all parts are phosphated
W3	all parts are zinc plated
W4	all metal parts made of stainless steel A2 - 1.4301/1.4305 (AISI 304)
W5	all metal parts made of stainless steel A4 - 1.4401/1.4571 (AISI 316/316Ti)
W10	weld plate phosphated, all other parts zinc plated
W12	weld plate and cover plate phosphated, bolts untreated
W13	rail nut zinc plated, cover plate phosphated, bolts untreated
W15	weld plate and cover plate phosphated, bolts zinc plated
W16	rail nut zinc plated, cover plate phosphated, bolts zinc plated
W17	safety locking plate phosphated, stacking bolts zinc plated
W18	safety locking plate untreated, stacking bolts phosphated

TECHNICAL NOTES

- *1 SEE MATERIAL PROPERTIES ON PAGE C52. OTHER CLAMP BODY MATERIALS AND COLORS ARE AVAILABLE UPON REQUEST.
- *2 AVAILABLE UP TO STAUFF GROUP 6S ONLY
- *3 SPECIAL LENGTH BOLTS REQUIRED. SUPPLIED WHEN ORDERED AS KITS.
- *4 AVAILABLE FOR STAUFF GROUP 3S TO 10S ONLY
- *5 PLEASE NOTE THAT YOU HAVE TO SPECIFY THREAD TYPE.
- *6 INDIVIDUAL COMBINATIONS OF ALTERNATIVE SURFACE FINISHINGS AND SPECIAL PROPERTY MATERIALS ARE AVAILABLE UPON REQUEST.
- *7 CLAMPS WILL BE SMOOTH INSIDE AND WITHOUT TENSION CLEARANCE.
- *8 ACCORDING TO ANSI B 36-10.
- *9 OTHER STANDARDS.
- *10 SA AND SAH ARE SPECIAL ORDER MATERIALS AND ONLY AVAILABLE UP TO STAUFF GROUP 6S ONLY. CONTACT FACTORY FOR FURTHER INFORMATION.
- *11 METAL PARTS ARE UNTREATED FOR STAUFF GROUPS 8S TO 12S.

SPAL 3006 PP DPAL-AS U W15 <p>2x Hexagon Head Bolt Surface: W3, Zinc Plated Thread: UNC</p> <p>1x Cover Plate for Single Clamps Surface: W2, phosphated</p> <p>1x Clamp (two halves) Material: Polypropylene Design: profiled inside, with tension clearance Group: STAUFF 3S / DIN 1 Tube-O.D. 6 mm / 0.24"</p> <p>1x Weld Plate for Single Clamps Surface: W2, phosphated Thread: UNC</p> <p>W15 (up to Group 7S) or W1 (Group 8S to 12S) are standards for this type of installation.</p>	SPAS 3006 PP DPAS-AS U W15 <p>4x Hexagon Head Bolt Surface: W3, Zinc Plated Thread: UNC</p> <p>1x Cover Plate for Double Clamps Surface: W2, phosphated</p> <p>2x Clamp (two halves) Material: Polypropylene Design: profiled inside, with tension clearance Group: STAUFF 3S / DIN 1 Tube-O.D. 6 mm / 0.24"</p> <p>1x Weld Plate for Double Clamps Surface: W2, phosphated Thread: UNC</p> <p>W15 (up to Group 7S) or W1 (Group 8S to 12S) are standards for this type of installation.</p>
SPAL/DUB 3006 PP DPAL-AS U W15 <p>2x Hexagon Head Bolt Surface: W3, Zinc Plated Thread: UNC</p> <p>1x Cover Plate for Single Clamps Surface: W2, phosphated</p> <p>1x Clamp (two halves) Material: Polypropylene Design: profiled inside, with tension clearance Group: STAUFF 3S / DIN 1 Tube-O.D. 6 mm / 0.24"</p> <p>1x Elongated Weld Plate for Single Clamps Surface: W2, phosphated Thread: UNC</p> <p>W15 (up to Group 7S) or W1 (Group 8S to 12S) are standards for this type of installation.</p>	SPAL 3006 PP IS U W10 <p>2x Socket Cap Screw Surface: W3, Zinc Plated Thread: UNC</p> <p>1x Clamp (two halves) Material: Polypropylene Design: profiled inside, with tension clearance Group: STAUFF 3S / DIN 1 Tube-O.D. 6 mm / 0.24"</p> <p>1x Weld Plate for Single Clamps Surface: W2, phosphated Thread: UNC</p> <p>W10 (up to Group 6S) is standard for this type of installation. This combination is available up to group 6S only.</p>

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1 TYPE OF INSTALLATION *11	
no code	without mounting plate, rail adaptor or rail nuts
SPAL	Weld Plate for Single Clamps
SPAS	Weld Plate for Double Clamps
SPAL/DUB	Elongated Weld Plate for Single Clamps
CRA *2 *3	Channel Rail Adaptor
GMV *2	Mounting Rail Nut

3 MATERIAL & DESIGN OF CLAMP BODY *1	
PP	Polypropylene, profiled inside, with tension clearance
PPH *2	Polypropylene, smooth inside, without tension clearance
PA	Polyamide, profiled inside, with tension clearance
PAH *2	Polyamide, smooth inside, without tension clearance
SA *10	Santoprene, profiled inside, with tension clearance
SAH *10	Santoprene, smooth inside, without tension clearance
AL	Aluminium, profiled inside, with tension clearance

4 MOUNTING & FITTING COMBINATION *11	
DPAL - AS	Single Cover Plate / Hexagon Head Bolt
DPAS - AS	Double Cover Plate / Hexagon Head Bolt
DPAS - IS	Cover Plate / Socket Cap Screw
IS *2	Socket Cap Screw
SIP - AF *4	Safety Locking Plate / Stacking Bolt

7 ASSEMBLING & PACKAGING	
no code	components supplied separately (standard)
A	assembled (optional)
K	packed in kits (optional)

2 STAUFF GROUP & SIZE OF CLAMP BODY					
Group	Tube O.D. in mm	Tube O.D. in inch	Nominal Bore Pipe	Hose	Material Code Clamp Body (both halves)
STAUFF 3S DIN 1	6				3006
	6,4	1/4			3006,4
	8				3008
	9,5	3/8			3009,5
	10		1/2		3010
	12				3012
	12,7	1/2			3012,7
	13,7		1/4		3013,7
	14				3014
	15				3015
STAUFF 4S DIN 2	16	5/8			3016
	17,1		3/8		3017,1
	18				3018
	15			1/4	4015 *7
	19	3/4			4019
	19,8			3/8	4019,8 *7
	20				4020
	21,3		1/2		4021,3
	22,1			1/2	4022,1 *7
	22,2	1/2			4022,2
STAUFF 5S DIN 3	25,1			5/8	4025,1 *7
	25,4	1			4025,4
	26,7		3/4		4026,7
	29,2			3/4	4029,2 *7
	32	1 1/4			5032
	33,4		1		5033,4
	38	1 1/2			5038
	40				5040
	42,2		1 1/4		5042,2

2 STAUFF GROUP & SIZE OF CLAMP BODY CONTINUATION					
Group	Tube O.D. in mm	Tube O.D. in inch	Nominal Bore Pipe	Hose	Material Code Clamp Body (both halves)
STAUFF 6S DIN 4	37,8			1	6037,8 *7
	42,2		1 1/4		6042,2
	44,5	1 3/4			6044,5
	48,3		1 1/2		6048,3
	48,4			1 1/4	6048,4 *7
	50,8	2			6050,8 *7
	54,4			1 1/2	6054,4 *7
	57,2	2 1/4			6057,2
	60,3		2		6060,3
	63,5	2 1/2			6063,5
ST 7S DIN 3	70	2 3/4			6070
	70	2 3/4			7070
	73		2 1/2	*8	7073
	76,2	3	2 1/2	*9	7076,2
	88,9	3 1/2	3		7088,9
ST 8S DIN 6	88,9	3 1/2	3		8088,9
	102	4	3 1/2		8102
	114	4 1/2	4		8114
	127	5			8127
ST 9S DIN 5	127	5			9127
	140		5		9140
	152	6			9152
	168		6		9168
ST 10S DIN 7	168		6		10168
	203				10203
	219	8			10219
	219	8			11219
ST 11S DIN 10	273	10			11273
	324	12			11324
	356	14			12356
	406	16			12406

5 TYPE OF THREAD *5	
M	Metric Thread
U	UNC Thread

6 MATERIAL & SURFACE FINISHING OF METAL PARTS *6	
W1	all parts are untreated
W2	all parts are phosphated
W3	all parts are zinc plated
W4	all metal parts made of stainless steel A2 - 1.4301/1.4305 (AISI 304)
W5	all metal parts made of stainless steel A4 - 1.4401/1.4571 (AISI 316/316Ti)
W10	weld plate phosphated, all other parts zinc plated
W12	weld plate and cover plate phosphated, bolts untreated
W13	rail nut zinc plated, cover plate phosphated, bolts untreated
W15	weld plate and cover plate phosphated, bolts zinc plated
W16	rail nut zinc plated, cover plate phosphated, bolts zinc plated
W17	safety locking plate phosphated, stacking bolts zinc plated
W18	safety locking plate untreated, stacking bolts phosphated

TECHNICAL NOTES

- *1 SEE MATERIAL PROPERTIES ON PAGE C52. OTHER CLAMP BODY MATERIALS AND COLORS ARE AVAILABLE UPON REQUEST.
- *2 AVAILABLE UP TO STAUFF GROUP 6S ONLY
- *3 SPECIAL LENGTH BOLTS REQUIRED. SUPPLIED WHEN ORDERED AS KITS.
- *4 AVAILABLE FOR STAUFF GROUP 3S TO 10S ONLY
- *5 PLEASE NOTE THAT YOU HAVE TO SPECIFY THREAD TYPE.
- *6 INDIVIDUAL COMBINATIONS OF ALTERNATIVE SURFACE FINISHINGS AND SPECIAL PROPERTY MATERIALS ARE AVAILABLE UPON REQUEST.
- *7 CLAMPS WILL BE SMOOTH INSIDE AND WITHOUT TENSION CLEARANCE.
- *8 ACCORDING TO ANSI B 36-10.
- *9 OTHER STANDARDS.
- *10 SA AND SAH ARE SPECIAL ORDER MATERIALS AND ONLY AVAILABLE UP TO STAUFF GROUP 6S ONLY. CONTACT FACTORY FOR FURTHER INFORMATION.
- *11 METAL PARTS ARE UNTREATED FOR STAUFF GROUPS 8S TO 12S.

3006 PP SIP-AF U W17

2x **Stacking Bolt**
Surface: W3, Zinc Plated
Thread: UNC

1x **Safety Locking plate**
Surface: W2, phosphated

1x **Clamp (two halves)**
Material: Polypropylene
Design: profiled inside, with tension clearance
Group: STAUFF 3S / DIN 1
Tube-O.D. 6 mm / 0.24"

W17 (up to Group 7S) or W18 (Group 8S to 10S) are standards for this type of installation.

GMV 3006 PP DPAL-AS U W16

2x **Hexagon Head Bolt**
Surface: W3, Zinc Plated
Thread: UNC

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

1x **Clamp (two halves)**
Material: Polypropylene
Design: profiled inside, with tension clearance
Group: STAUFF 3S / DIN 1
Tube-O.D. 6 mm / 0.24"

2x **Mounting Rail Nut**
Surface: W3, Zinc Plated
Thread: UNC

W16 (up to Group 6S) is standard for this type of installation. This combination is available up to Group 6S only.

SPAL 3006 PPH DPAL-AS U W15

2x **Hexagon Head Bolt**
Surface: W3, Zinc Plated
Thread: UNC

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

1x **Clamp (two halves)**
Material: Polypropylene
Design: smooth inside, without tension clearance
Group: STAUFF 3S / DIN 1
Hose-O.D. 6 mm / 0.24"

1x **Weld Plate for Single Clamps**
Surface: W2, phosphated
Thread: UNC

W15 (up to Group 6S) is standard for this type of installation. This combination is available up to Group 6S only.

NOTES REGARDING THE USE OF THE CHANNEL RAIL ADAPTOR CRA

The CHANNEL RAIL ADAPTOR Type **CRA** is suitable for the following channel rails:

UNISTRUT-Rails
P 1000, P 1000T, P 1000V, P 1000VT, P 1001
P 2000, P 2000T
P 3003, P 3003T, P 3300V, P 3300VT, P 3301
P 4000, P 4000T
P 5000, P 5000T, P 5001, P 5500, P 5500T, P 5501

STAUFF-Rails
SCS-048-1-PL, SCS-120-1-PL, SCS-048-1-GR, SCS-120-1-GR
(see page C42 for details)

HALFEN-Rails
HM 41/41
HZA 41/22
HZA 41/41
HZA 41/22
HL 41/41, HL 41/B2

Clamps - Twin Series

(for O.D. 6 to 42 mm)

ORDER CODES - COMPONENTS according to DIN 3015, Part 3

ALSO AVAILABLE

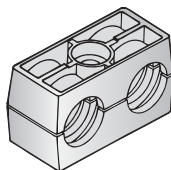
Extensive range of special clamping systems and accessories, e.g. for noise and vibration reduced installation, for electric sensors and cables or for particular mounting purposes

see pages C26 to C31

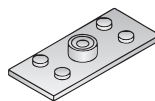
Custom designed pipe clamps (machined and injection molded versions) according to customer's specifications or based on STAUFF developments

see pages C32 to C33

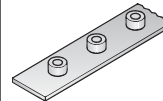
CLAMP BODY
consisting of two
clamp halves



SINGLE
WELD PLATE
SP



GROUP WELD
PLATE
RAP



CHANNEL RAIL
ADAPTOR
CRA

suitable for several
types of channel rails,
see page C25



MATERIAL & SURFACE FINISHING CODE
(ALL DISPLAYED OPTIONS ARE STANDARD DELIVERY)

SEE COMPONENT
PART IDENTIFICATION

W2

W1

W3

ORDERING INFORMATION

***,*/**,* **

SP ** ** *

RAP **/**/** **

CRA ** ** *

STAUFF GROUP	DIN GROUP	OUTSIDE DIAMETER PIPE / TUBE / HOSE IN MM	OUTSIDE DIAMETER PIPE / TUBE / HOSE IN INCH	NOMINAL BORE PIPE IN INCH	STAUFF GROUP OUTSIDE DIAMETERS OF BOTH PIPES IN MM MATERIAL & DESIGN OF CLAMP BODY	SINGLE WELD PLATE SP STAUFF GROUP TYPE OF THREAD MATERIAL & SURFACE FIN- ISHING	GROUP WELD PLATE RAP STAUFF GROUP PIPE CENTER SPACING NUMBER OF CLAMPS TYPE OF THREAD MATERIAL & SURFACE FINISHING	CHANNEL RAIL ADAPTOR CRA STAUFF GROUP TYPE OF THREAD MATERIAL & SURFACE FIN- ISHING
1D	1	6			106/06 ***	SP 1D ***	RAP 1D/40/5 ***	CRA 1-8/1D *** for use with bolt 1/4 - 20UNC x 1 LG
		6,4	1/4		106,4/06,4 ***			
		8	5/16		108/08 ***			
		9,5	3/8		109,5/09,5 ***			
		10		1/8	110/10 ***			
		12			112/12 ***			
2D	2	12,7	1/2		212,7/12,7 ***	SP 2D ***	RAP 2D/58/5 ***	CRA 2-3 D *** for use with bolt 5/16 - 18UNC x 1-3/8 LG
		13,5		1/4	213,5/13,5 ***			
		14			214/14 ***			
		15			215/15 ***			
		16	5/8		216/16 ***			
		17,2		3/8	217,2/17,2 ***			
3D	3	18			218/18 ***	SP 3D ***	RAP 3D/72/5 ***	CRA 2-3 D *** for use with bolt 5/16 - 18UNC x 1-3/4 LG
		19	3/4		319/19 ***			
		20			320/20 ***			
		21,3		1/2	321,3/21,3 ***			
		22	7/8		322/22 ***			
		25			325/25 ***			
4D	4	25,4	1		325,4/25,4 ***	SP 4D ***	RAP 4D/90/5 ***	CRA 4-5D *** for use with bolt 5/16 - 18UNC x 2 LG
		26,9		3/4	426,9/26,9 ***			
		28			428/28 ***			
5D	5	30			430/30 ***	SP 5D ***	RAP 5D/112/5 ***	CRA 4-5D *** for use with bolt 5/16 - 18UNC x 2-1/2 LG
		32			532/32 ***			
		33,7			533,7/33,7 ***			
		35			535/35 ***			
		38			538/38 ***			
		40			540/40 ***			
		42			542/42 ***			

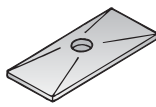



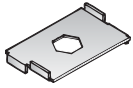
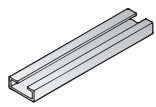


COMPONENT PART IDENTIFICATION FOR TWIN SERIES CLAMP BODIES AND COMPONENTS

CLAMP BODY

MATERIAL	DESIGN	COLOR	CODE
Polypropylene	profiled inside, with tension clearance	green	PP
Polypropylene	smooth inside, without tension clearance	green	PPH

MATERIAL	DESIGN	COLOR	CODE
Polyamide	profiled inside, with tension clearance	black	PA
Polyamide	smooth inside, without tension clearance	black	PAH

Alternative materials, designs and colors in addition to the above stated standard are available upon request.

COVER PLATE GD	HEXAGON HEAD BOLT AS	STACKING BOLT AF	SAFETY LOCKING PLATE SI	SAFETY LOCKING PLATE SIV	MOUNTING RAIL TS	HEXAGON RAIL NUT SM
				<div>for multi-level assembly, prevents upper clamp from turning</div> 		 SM 1-8/1D  SM 2-5D
W3	W3	W3	W3	W3	W1	W3
<div>GD ** **</div> <div>↓ ↓ ↓</div> <div>COVER PLATE GD</div> <div>STAUFF GROUP</div> <div>MATERIAL & SURFACE FIN- ISHING</div>	<div>AS ** * **</div> <div>↓ ↓ ↓ ↓</div> <div>HEXAGON HEAD BOLT AS</div> <div>STAUFF GROUP</div> <div>TYPE OF THREAD</div> <div>MATERIAL & SURFACE FIN- ISHING</div>	<div>AF ** * **</div> <div>↓ ↓ ↓ ↓</div> <div>STACKING BOLT AF</div> <div>STAUFF GROUP</div> <div>TYPE OF THREAD</div> <div>MATERIAL & SURFACE FIN- ISHING</div>	<div>SI **** **</div> <div>↓ ↓ ↓ ↓</div> <div>SAFETY LOCKING PLATE SI</div> <div>STAUFF GROUP (1D OR 2-5D ONLY)</div> <div>MATERIAL & SURFACE FIN- ISHING</div>	<div>SIV **** **</div> <div>↓ ↓ ↓ ↓</div> <div>SAFETY LOCKING PLATE SIV</div> <div>STAUFF GROUP (1D OR 2-3D ONLY)</div> <div>MATERIAL & SURFACE FIN- ISHING</div>	<div>TS **- * **</div> <div>↓ ↓ ↓ ↓</div> <div>MOUNTING RAIL TS</div> <div>HEIGHT OF RAIL IN MM</div> <div>LENGTH OF RAIL IN M</div> <div>MATERIAL & SURFACE FIN- ISHING</div>	<div>SM ** * **</div> <div>↓ ↓ ↓ ↓</div> <div>HEXAGON RAIL NUT SM</div> <div>STAUFF GROUP (1-8/1D OR 2-5D ONLY)</div> <div>TYPE OF THREAD</div> <div>MATERIAL & SURFACE FIN- ISHING</div>
GD 1D **	AS 1D ***	AF 1D ***	SI 1D **	SIV 1D **	<div>TS *** **</div> <div>available heights: 11, 14 and 30 mm 0.43", 0.55" and 1.18"</div> <div>available lengths: 1m and 2 m 3.28' and 6.56'</div>	SM 1-8/1D ***
GD 2D **	AS 2D ***	AF 2D ***	SI 2-5D **	SIV 2-3D **		SM 2-5D ***
GD 3D **	AS 3D ***	AF 3D ***				
GD 4D **	AS 4D ***	AF 4D ***				
GD 5D **	AS 5D ***	AF 5D ***		SIV 2-3D **		

COMPONENT PART IDENTIFICATION FOR TWIN SERIES CLAMP BODIES AND COMPONENTS

METAL PARTS

Alternative materials and surface finishings in addition to the below stated standard are available upon request

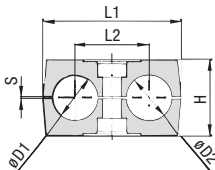
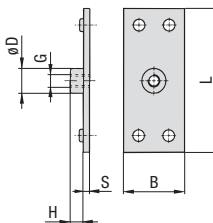
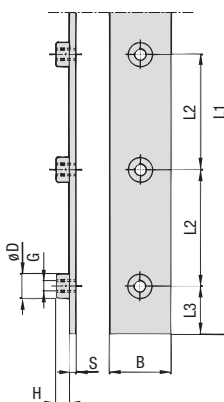
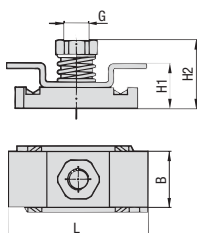
MATERIAL	SURFACE FINISHING	CODE
carbon steel St37	untreated	W1
carbon steel St37	phosphated	W2
carbon steel St37	zinc plated	W3
stainless steel A2 - 1.4301/1.4305 (AISI 304)		W4
stainless steel A4 - 1.4401/1.4571 (AISI 316/316Ti)		W5

THREADED PARTS

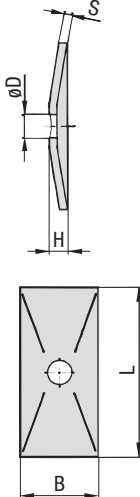
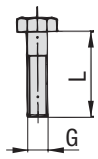
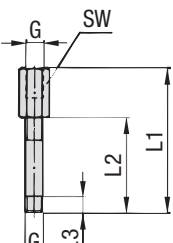
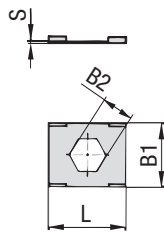
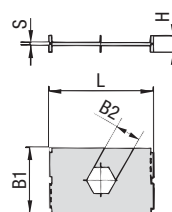
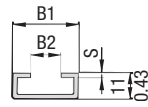
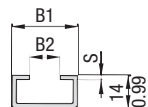
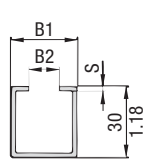
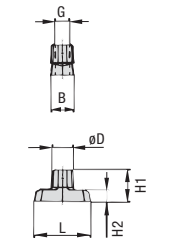
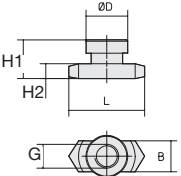
TYPE OF THREAD	CODE
Metric Thread	M
UNC Thread	U

All threaded parts are available with Metric or UNC Thread.

DIMENSIONS - COMPONENTS according to DIN 3015, Part 3

MATERIAL & SURFACE FINISHING OF METAL PARTS			CLAMP BODY consisting of two clamp halves							SINGLE WELD PLATE SP							GROUP WELD PLATE RAP							CHANNEL RAIL ADAPTOR CRA							
carbon steel St37, untreated			W1																												
carbon steel St37, phosphated			W2																												
carbon steel St37, zinc plated			W3																												
stainless steel A2 - 1.4301/1.4305 (AISI304)			W4																												
stainless steel A4 - 1.4401/1.4571 (AISI316/316Ti)			W5																												
Alternative materials and surface finishings in addition to the above stated standard are available upon request.																															
MATERIAL & SURFACE FINISHING CODE			SEE COMPONENT PART IDENTIFICATION							W2							W1							W3							
STAUFF GROUP	DIN GROUP	OUTSIDE DIAMETER PIPE / TUBE / HOSE								L	B	S	H	ØD	G	L1	L2	L3	B	S	H	ØD	G	G	L	B	H1	H2			
			Inside Surface																												
			L1	L2	profiled		smooth	Width																							
1D	1	6 to 12 mm 1/4" to 1/2"	36	20	27	0,6 min.	26,5	30	37	30	3	6,5	12	M6 1/4-20" UNC	196	40	18	30	3	6,5	12	M6 1/4-20" UNC	196	40	18	30	3	6,5	12	M6 1/4-20" UNC	
2D	2	12,7 to 18 mm 1/2" to 5/8"	53	29	27	0,7 min.	26,5	30	55	30	5	6	14	M8 5/16-18" UNC	288	58	28	30	5	6	14	M8 5/16-18" UNC	288	58	28	30	5	6	14	M8 5/16-18" UNC	
3D	3	19 to 25,4 mm 3/4" to 1"	67	36	37	0,7 min.	36,5	30	70	30	5	6	14	M8 5/16-18" UNC	358	72	35	30	5	6	14	M8 5/16-18" UNC	358	72	35	30	5	6	14	M8 5/16-18" UNC	
4D	4	26,9 to 30 mm 1 1/16" to 1 3/16"	80	45	40	0,7 min.	38	30	85	30	5	6	14	M8 5/16-18" UNC	445	90	42	30	5	6	14	M8 5/16-18" UNC	445	90	42	30	5	6	14	M8 5/16-18" UNC	
5D	5	32 to 42 mm 1 1/4" to 1 5/8"	106	56	53	0,7 min.	52	30	110	30	5	6	14	M8 5/16-18" UNC	558	112	55	30	5	6	14	M8 5/16-18" UNC	558	112	55	30	5	6	14	M8 5/16-18" UNC	

DIMENSIONS - COMPONENTS according to DIN 3015, Part 3

COVER PLATE GD	HEXAGON HEAD BOLT AS	STACKING BOLT AF	SAFETY LOCKING PLATE SI	SAFETY LOCKING PLATE SIV	MOUNTING RAIL TS	HEXAGON RAIL NUT SM	
				<p>for multi-level assembly, prevents upper clamp from turning</p> 	 <p>TS 11</p>  <p>TS 14</p>  <p>TS 30</p>	 <p>SM 1-8/1D</p>  <p>SM 2-5D</p>	
W3	W3	W3	W3	W3	W1	W3	
L B H S øD	G x L	G L1 L2 L3 SW	L B1 B2 S	L B1 B2 S H	Nominal Size B1 B2 S	L B H1 H2 øD G	
34 30 7 3 7 1.33" 1.18" 0.27" 0.11" 0.27"	M6 x 35 1/4 - 20" x 1 3/8" UNC	M6 34 20 12 min. 11 27 1/4-20" 1.33" 0.78" 0.47" 0.43" 1.06"	22 11,2 0,5 27 0.86" 0.44" 0.02" 1.06"	27 28 11,1 1 7 0.44" 0.03" 0.28"	TS 11 TS 14 TS 30 1.10" 0.43" 0.07"	25,5 10,2 13,5 5,5 12 M6 1.00" 0.40" 0.53" 0.22" 0.47" 1/4-20" UNC	
52 30 7 3 9 2.04" 1.18" 0.27" 0.11" 0.35"	M8 x 35 5/16 - 18" x 1 3/8" UNC	M8 33 20 12 min. 12 27 5/16-18" 1.30" 0.78" 0.47" 0.47" 1.06"	22 12,2 0,5 45 0.86" 0.48" 0.02" 1.77"	28 12,1 1 7 0.48" 0.03" 0.28"		25,5 10,4 13 5 14 M8 1.00" 0.41" 0.51" 0.20" 0.55" 5/16-18" UNC	
65 30 7 3 9 2.55" 1.18" 0.27" 0.11" 0.35"	M8 x 45 5/16 - 18" x 1 3/4" UNC	M8 44 29 12 min. 12 27 5/16-18" 1.73" 1.14" 0.47" 0.47" 1.06"	22 12,2 0,5 45 0.86" 0.48" 0.02" 1.77"	28 12,1 1 7 0.48" 0.03" 0.28"			
79 30 7 3 9 3.11" 1.18" 0.27" 0.11" 0.35"	M8 x 50 5/16 - 18" x 2" UNC	M8 49 34 12 min. 12 27 5/16-18" 1.92" 1.33" 0.47" 0.47" 1.06"	22 12,2 0,5 --- 0.86" 0.48" 0.02"	---			
102 30 7 3 9 4.02" 1.18" 0.27" 0.11" 0.35"	M8 x 60 5/16 - 18" x 2 1/2" UNC	M8 61 46 12 min. 12 27 5/16-18" 2.40" 1.81" 0.47" 0.47" 1.06"	22 12,2 0,5 --- 0.86" 0.48" 0.02"	---			

1 ***	2 ***, */**, *	3 ***	4 ** - **	5 *	6 W **	7 *
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1 TYPE OF INSTALLATION

no code	without mounting plate, rail adaptor or rail nuts
SP	Single Weld Plate
RAP	Group Weld Plate
CRA	Channel Rail Adaptor
SM	Hexagon Rail Nut

3 MATERIAL & DESIGN OF CLAMP BODY *1

PP	Polypropylene, profiled inside, with tension clearance
PPH	Polypropylene, smooth inside, without tension clearance
PA	Polyamide, profiled inside, with tension clearance
PAH	Polyamide, smooth inside, without tension clearance

4 MOUNTING & FITTING COMBINATION

GD - AS	Cover Plate / Hexagon Head Bolt
SI - AF	Safety Locking Plate / Stacking Bolt
SIV - AF	Safety Locking Plate / Multi-Assembly Stacking Bolt

7 ASSEMBLING & PACKAGING

no code	components supplied separately (standard)
A	assembled (optional)
K	packed in kits (optional)

2 STAUFF GROUP & SIZE OF CLAMP BODY

Group	Tube O.D. in mm	Tube O.D. in inch	Nominal Bore Pipe	Hose	Material Code Clamp Body (both halves)
STAUFF 1D DIN 1	6				106/06
	6,4	1/4			106,4/06,4
	8	5/16			108/08
	9,5	3/8			109,5/09,5
	10		1/8		110/10
STAUFF 2D DIN 2	12				112/12
	12,7	1/2			212,7/12,7
	13,7		1/4		213,7/13,7
	14				214/14
	15				215/15
STAUFF 3D DIN 3	16		5/8		216/16
	17,1		3/8		217,1/17,1
	18				218/18
	19		3/4		319/19
	20				320/20
STAUFF 4D DIN 4	21,3		1/2		321,3/21,3
	22,2		7/8		322,2/22,2
	25,4	1			325,4/25,4
	26,6		3/4		426,6/26,6
	28,5	1 1/8			428,5/28,5
STAUFF 5D DIN 5	32		1 1/4		532/32
	33,4		1		533,4/33,4
	38,1	1 1/2			538,1/38,1
	42,2		1 1/4		542,2/42,2

MOST HOSE SIZES CAN BE ACCOMMODATED - CONTACT FACTORY.

5 TYPE OF THREAD

M	Metric Thread
U	UNC Thread

6 MATERIAL & SURFACE FINISHING OF METAL PARTS *2

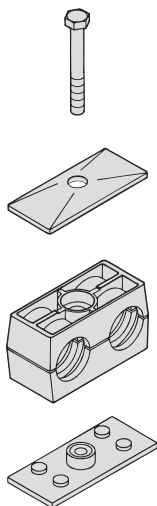
W1	all parts are untreated
W2	all parts are phosphated
W3	all parts are zinc plated
W4	all metal parts made of stainless steel A2 - 1.4301/1.4305 (AISI 304)
W5	all metal parts made of stainless steel A4 - 1.4401/1.4571 (AISI 316/316Ti)
W10	weld plate phosphated, all other parts zinc plated
W11	rail nut untreated, all other parts zinc plated

TECHNICAL NOTES

*1 SEE MATERIAL PROPERTIES ON PAGE C52. OTHER CLAMP BODY MATERIALS AND COLORS ARE AVAILABLE UPON REQUEST.

*2 INDIVIDUAL COMBINATIONS OF ALTERNATIVE SURFACE FINISHINGS AND SPECIAL PROPERTY MATERIALS ARE AVAILABLE UPON REQUEST.

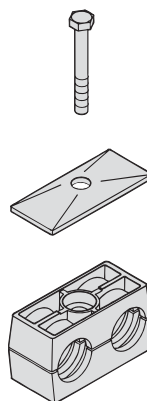
SP 106/06 PP GD-AS U W10



- 1x **Hexagon Head Bolt**
Surface: W3, Zinc Plated
Thread: UNC
- 1x **Cover Plate**
Surface: W3, Zinc Plated
- 1x **Clamp (two halves)**
Material: Polypropylene
Design: profiled inside, with tension clearance
Group: STAUFF 1D / DIN 1
Tube-O.D. both 6 mm / **0.24"**
- 1x **Weld Plate**
Surface: W2, Phosphated
Thread: UNC

W10 is standard for this type of installation.

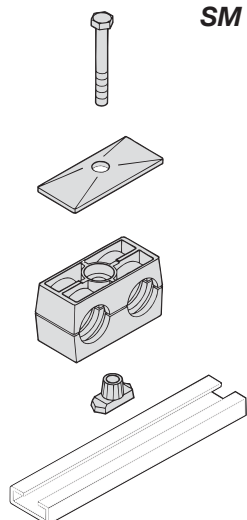
106/06 PP GD-AS U W3



- 1x **Hexagon Head Bolt**
Surface: W3, Zinc Plated
Thread: UNC
- 1x **Cover Plate**
Surface: W3, Zinc Plated
- 1x **Clamp (two halves)**
Material: Polypropylene
Design: profiled inside, with tension clearance
Group: STAUFF 1D / DIN 1
Tube-O.D. both 6 mm / **0.24"**

W3 is standard for this type of installation.

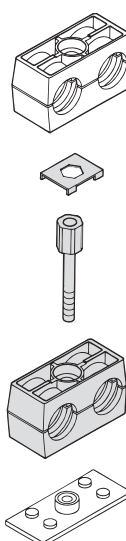
SM 106/06 PP GD-AS U W3



- 1x **Hexagon Head Bolt**
Surface: W3, Zinc Plated
Thread: UNC
- 1x **Cover Plate**
Surface: W3, Zinc Plated
- 1x **Clamp (two halves)**
Material: Polypropylene
Design: profiled inside, with tension clearance
Group: STAUFF 1D / DIN 1
Tube-O.D. both 6 mm / **0.24"**
- 1x **Mounting Rail Nut**
Surface: W3, Zinc Plated
Thread: UNC

W3 is standard for this type of installation.

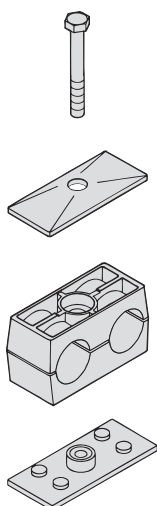
106/06 PP SI-AF U W3



- 1x **Safety Locking Plate**
Surface: W3, Zinc Plated
- 1x **Stacking Bolt**
Surface: W3, Zinc Plated
Thread: UNC
- 1x **Clamp (two halves)**
Material: Polypropylene
Design: profiled inside, with tension clearance
Group: STAUFF 1D / DIN 1
Tube-O.D. both 6 mm / **0.24"**

W3 is standard for this type of installation.

SP 106/06 PPH GD-AS U W10



- 1x **Hexagon Head Bolt**
Surface: W3, Zinc Plated
Thread: UNC
- 1x **Cover Plate**
Surface: W3, Zinc Plated
- 1x **Clamp (two halves)**
Material: Polypropylene
Design: smooth inside, without tension clearance
Group: STAUFF 1D / DIN 1
Hose-O.D. both 6 mm / **0.24"**
- 1x **Weld Plate**
Surface: W2, Phosphated
Thread: UNC

W10 is standard for this type of installation.

NOTES REGARDING THE USE OF THE CHANNEL RAIL ADAPTOR CRA

The CHANNEL RAIL ADAPTOR Type **CRA** is suitable for the following channel rails:

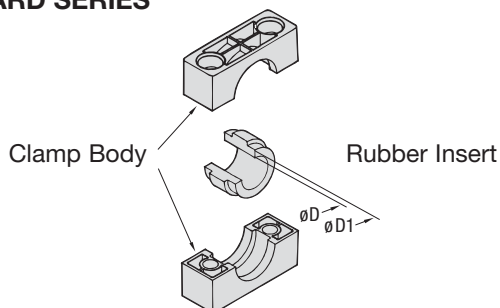
UNISTRUT-Rails
P 1000, P 1000T, P 1000V, P 1000VT, P 1001
P 2000, P 2000T
P 3003, P 3003T, P 3300V, P 3300VT, P 3301
P 4000, P 4000T
P 5000, P 5000T, P 5001, P 5500, P 5500T, P 5501

STAUFF-Rails
SCS-048-1-PL, SCS-120-1-PL, SCS-048-1-GR,
SCS-120-1-GR (see page C42 for details)

HALFEN-Rails
HM 41/41
HZA 41/22
HZA 41/41
HZA 41/22
HL 41/41, HL 41/B2

RI-CLAMPS (Clamps with Rubber Insert)

STANDARD SERIES

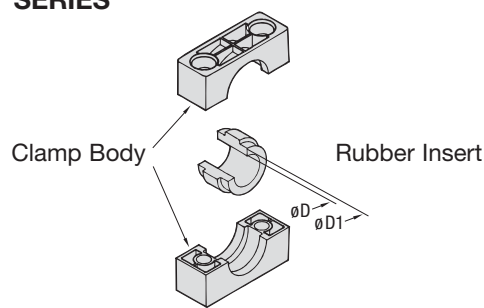


STAUFF Group	Pipe-O.D.			Order Code		
	ØD [mm]	ØD [inch]	ØD1	Rubber Insert	Clamp Body	Rubber Insert + Clamp Body
4	6	0.24"	25 0.98"	RI 406	4 xxR	406 xxR
	8	0.31"		RI 408	4 xxR	408 xxR
	10	0.39"		RI 410	4 xxR	410 xxR
	12	0.47"		RI 412	4 xxR	412 xxR
	12,7	0.5"		RI 412,7	4 xxR	412,7 xxR
	14	0.55"		RI 414	4 xxR	414 xxR
	15	0.59"		RI 415	4 xxR	415 xxR
	16	0.63"		RI 416	4 xxR	416 xxR
	17,2	0.68"		RI 417,2	4 xxR	417,2 xxR
	18	0.71"		RI 418	4 xxR	418 xxR
6	19	0.75"		RI 419	4 xxR	419 xxR
	20	0.79"	38 1.50"	RI 620	6 xxR	620 xxR
	21,3	0.84"		RI 621,3	6 xxR	621,3 xxR
	22	0.87"		RI 622	6 xxR	622 xxR
	25,4	1"		RI 625,4	6 xxR	625,4 xxR
	26,9	1.06"		RI 626,9	6 xxR	626,9 xxR
	28	1.10"		RI 628	6 xxR	628 xxR
	30	1.18"		RI 630	6 xxR	630 xxR
	32	1.26"		RI 632	6 xxR	632 xxR

Other diameters are available on request.

Clamp Body	Material XX
	Polypropylene PP Polyamide PA
Elastomer Insert	Material
	Thermoplastic Elastomer (TPE)
Elastomer Insert	Material Properties
Mechanical Properties Shore Hardness: Modulus of Elasticity: Tensile Stress	70 A 0,97 g/cm ² 3,3 N/mm ² (acc. to ISO 37)
Temperature Properties Temperature Resistance:	-40°C - +125°C -40°F - +257°F
Chemical Properties weak acids, solvents benzine, mineral oils alcohol, other oils, seawater	consistent conditionally consistent consistent

HEAVY SERIES



STAUFF Group	Pipe-O.D.			Order Code		
	ØD [mm]	ØD [inch]	ØD1	Rubber Insert	Clamp Body	Rubber Insert + Clamp Body
4S / 4S-D *	06	0.24"	25 0.98"	RI 4006	4S xxR	4006 xxR
	08	0.31"		RI 4008	4S xxR	4008 xxR
	10	0.39"		RI 4010	4S xxR	4010 xxR
	12	0.47"		RI 4012	4S xxR	4012 xxR
	12,7	0.5"		RI 4012,7	4S xxR	4012,7 xxR
	14	0.55"		RI 4014	4S xxR	4014 xxR
	15	0.59"		RI 4015	4S xxR	4015 xxR
	16	0.63"		RI 4016	4S xxR	4016 xxR
	17,2	0.68"		RI 4017,2	4S xxR	4017,2 xxR
	18	0.71"		RI 4018	4S xxR	4018 xxR
5S / 5S-D *	19	0.75"		RI 4019	4S xxR	4019 xxR
	20	0.79"	38 1.50"	RI 5020	5S xxR	5020 xxR
	21,3	0.84"		RI 5021,3	5S xxR	5021,3 xxR
	22	0.87"		RI 5022	5S xxR	5022 xxR
	25,4	1"		RI 5025,4	5S xxR	5025,4 xxR
	26,9	1.06"		RI 5026,9	5S xxR	5026,9 xxR
	28	1.10"		RI 5028	5S xxR	5028 xxR
	30	1.18"		RI 5030	5S xxR	5030 xxR
	32	1.26"		RI 5032	5S xxR	5032 xxR
	32	1.26"	64 2.52"	RI 6032	6S xxR	6032 xxR
	33,7	1.33"		RI 6033,7	6S xxR	6033,7 xxR
6S	35	1.38"		RI 6035	6S xxR	6035 xxR
	38,7	1.52"		RI 6038,7	6S xxR	6038,7 xxR
	40	1.57"		RI 6040	6S xxR	6040 xxR
	42	1.65"		RI 6042	6S xxR	6042 xxR
	45,5	1.79"		RI 6045,5	6S xxR	6045,5 xxR
	48	1.89"		RI 6048	6S xxR	6048 xxR
	51	2.01"		RI 6051	6S xxR	6051 xxR
	53,4	2.10"		RI 6053,4	6S xxR	6053,4 xxR
	56,4	2.22"		RI 6056,4	6S xxR	6056,4 xxR
7S	55	2.17"	88 3.46"	RI 7055	7S xxR	7055 xxR
	57	2.24"		RI 7057	7S xxR	7057 xxR
	60	2.36"		RI 7060	7S xxR	7060 xxR
	65	2.56"		RI 7065	7S xxR	7065 xxR
	70	2.76"		RI 7070	7S xxR	7070 xxR
	72	2.83"		RI 7072	7S xxR	7072 xxR
	76	2.99"		RI 7076	7S xxR	7076 xxR
8S	80	3.15"	114 4.49"	RI 8080	8S xxR	8080 xxR
	88,9	3.5"		RI 8088,9	8S xxR	8088,9 xxR

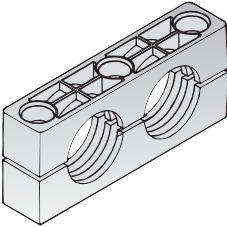
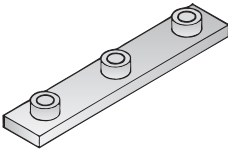
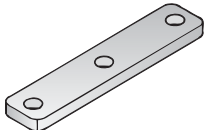

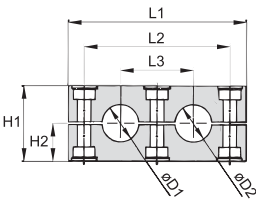
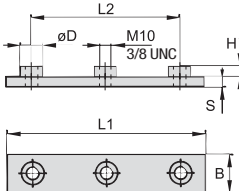
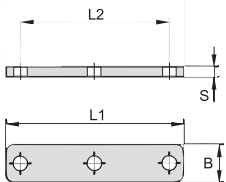
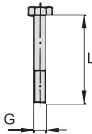
Other diameters are available on request.

* Note 4S & 5S rubber inserts are available for heavy twin series clamp. Contact factory for further information.

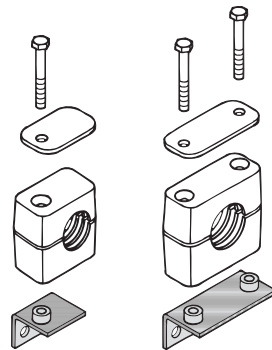
Attention!

The relation between tube O.D. and RI-clamp size does not match with that of standard series (profiled and smooth bore).

For dimensions of clamp bodies please refer to the dimensional tables of the standard series, heavy series, and heavy twin respectively.

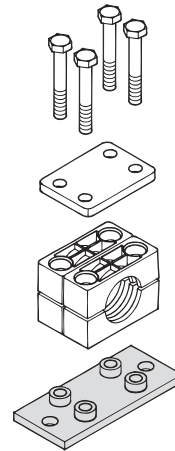
MATERIAL & DESIGN OF CLAMP BODY				PP		CLAMP BODY consisting of two clamp halves		WELD PLATE		COVER PLATE		HEXAGON HEAD BOLT AS									
Polypropylene, profiled inside, with tension clearance				PA				SPAD		DPAD											
Polyamide, profiled inside, with tension clearance																					
MATERIAL & SURFACE FINISHING OF METAL PARTS				W1 W2 W3 W4																	
carbon steel St37, untreated				W5																	
carbon steel St37, phosphated																					
carbon steel St37, zinc plated																					
stainless steel A2 - 1.4301/1.4305 (AISI304)																					
stainless steel A4 - 1.4401/1.4571 (AISI316/316Ti)																					
TYPE OF THREAD				M U																	
Metric Thread																					
UNC Thread																					
MATERIAL & SURFACE FINISHING (STANDARD DELIVERY / DETAILS ABOVE)				SEE COMPONENT PART IDENTIFICATION		W2		W2		W3											
ORDERING INFORMATION				*****/****/*		SPAD *** **		DPAD *** **		AS *** **											
STAUFF GROUP	OUTSIDE DIAMETER PIPE / TUBE / HOSE Ø D1/ D2 IN MM	OUTSIDE DIAMETER PIPE / TUBE / HOSE Ø D1/ D2 IN INCH	NOMINAL BORE PIPE IN INCH	FIRST DIGIT OF STAUFF GROUP (SEE BELOW)	OUTSIDE DIAMETERS OF PIPES IN MM	MATERIAL & DESIGN OF CLAMP BODY	WELD PLATE SPAD	COVER PLATE DPAD	HEXAGON HEAD BOLT AS	FIRST 2 DIGITS OF STAUFF GROUP (SEE BELOW)	MATERIAL & SURFACE FIN- ISHING	FIRST 2 DIGITS OF STAUFF GROUP (SEE BELOW)	MATERIAL & SURFACE FIN- ISHING								
4S-D	12,7/12,7	1/2 / 1/2				4012,7/12,7 **	SPAD 4S * **	DPAD 4S **	AS 4S * **												
	19/19	3/4 / 3/4				4019/19 **															
	20/20					4020/20 **															
	21,3/21,3		1/2 / 1/2			4021,3/21,3 **															
	22/22	7/8 / 7/8				4022/22 **															
	25,4/25,4	1 / 1				4025,4/25,5 **															
5S-D	26,9/26,9	3/4 / 3/4				4026,9/26,9 **	SPAD 5S * **	DPAD 5S **	AS 5S * **												
	32/32	1 1/4 / 1 1/4				5032/32 **															
	33,7/33,7		1 / 1			5033,7/33,7 **															
	38/38	1 1/2 / 1 1/2				5038/38 **															
	42/42		1 1/4 / 1 1/4			5042/42 **															
DIMENSIONS - COMPONENTS																					
STAUFF GROUP	OUTSIDE DIAMETER PIPE / TUBE / HOSE Ø D1/ D2 IN MM	OUTSIDE DIAMETER PIPE / TUBE / HOSE Ø D1/ D2 IN INCH	NOMINAL BORE PIPE IN INCH																		
				L1	L2	L3	H1	H2	Width	L1	L2	B	S	H	Ø D	L1	L2	B	S	Ø D	G x L
4S-D	19/19	3/4 / 3/4																			
	20/20																				
	21,3/21,3		1/2 / 1/2	115	90	45	48	24	30	130	90	30	8	8,5	18	115	90	30	8	11	M10 x 60
	22/22	7/8 / 7/8		4.52"	3.54"	1.77"	1.89"	0.94"	1.18"	5.12"	3.54"	1.18"	0.31"	0.33"	0.71"	4.52"	3.54"	1.18"	0.31"	0.43"	3/8" - 16 x 2 3/4"
	25,4/25,4	1 / 1																			UNC
5S-D	26,9/26,9	3/4 / 3/4																			
	32/32	1 1/4 / 1 1/4																			
	33,7/33,7		1 / 1	144	120	60	60	30	30	160	120	30	8	8,5	18	144	120	30	8	11	M10 x 70
	38/38	1 1/2 / 1 1/2		5.69"	4.72"	2.36"	2.36"	1.18"	1.18"	6.30"	4.72"	1.18"	0.31"	0.33"	0.71"	5.69"	4.72"	1.18"	0.31"	0.43"	3/8" - 16 x 2 3/4"
	40/40																				
	42/42		1 1/4 / 1 1/4																		UNC

* Consult factory for details on stacking assemblies.

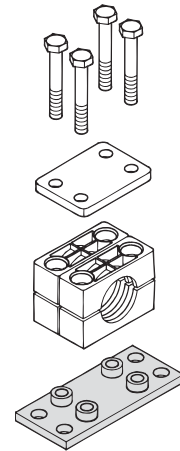


ANGLED WELD PLATES
TYPE WSP

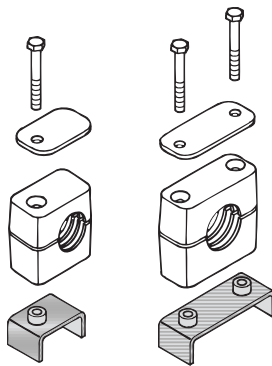
Group 3S - 9S



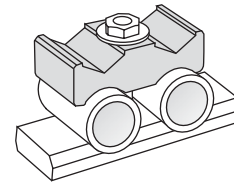
Group 10S - 12S



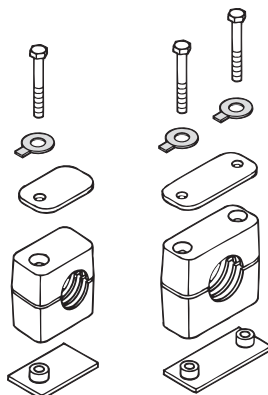
ELONGATED WELD PLATES FOR DOUBLE CLAMPS
TYPE SPAS/DUB



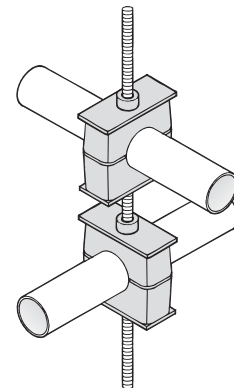
BRIDGE WELD PLATES
TYPE BSP



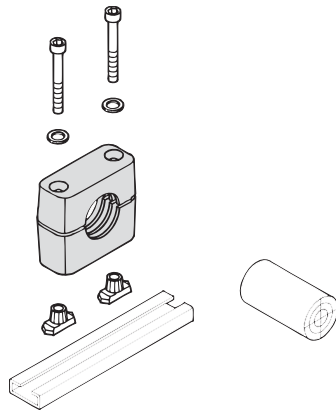
AGRICULTURAL CLAMPS
TYPE AG (See P. C31)



SAFETY WASHERS
TYPE SI-6,4 W3 (DIN 463) (See P. C4)

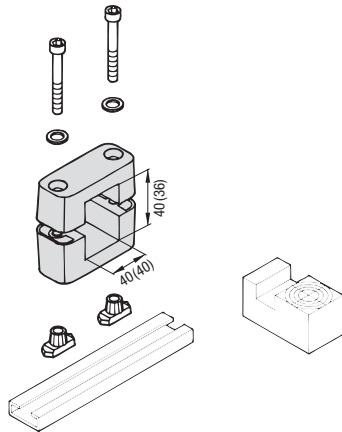


HI-CLEAN SERIES
CLAMP BODIES AND SPECIAL MOUNTING ACCESSORIES
FOR FOOD / BIOTECH / PROCESS APPLICATIONS
(CONSULT FACTORY FOR FURTHER INFORMATION)



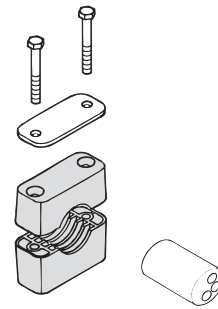
For proximity switches according to DIN EN 60947-5-2 or similar

Proximity switch – **round** construction, 30 mm diameter – fastened with a Group 4 Standard-Series clamp mounted on mounting rail with hexagon rail nuts. Loosening of the bolts provides **axial and horizontal position adjustment**.



For proximity switches according to DIN EN 60947-5-2 or similar

Proximity switch – **rectangular** construction, 40 mm square – fastened with Group 5 Standard-Series clamp mounted on mounting rail with hexagon rail nuts. Loosening of the bolts provides **axial and horizontal position adjustment**.



For clamping of electric cables:
STAUFF-Oval Clamps

Group 6 Standard-Series for cable diameters between 20 and 50 mm.
Group 6 S Heavy-Series for cable diameters between 40 and 72 mm.

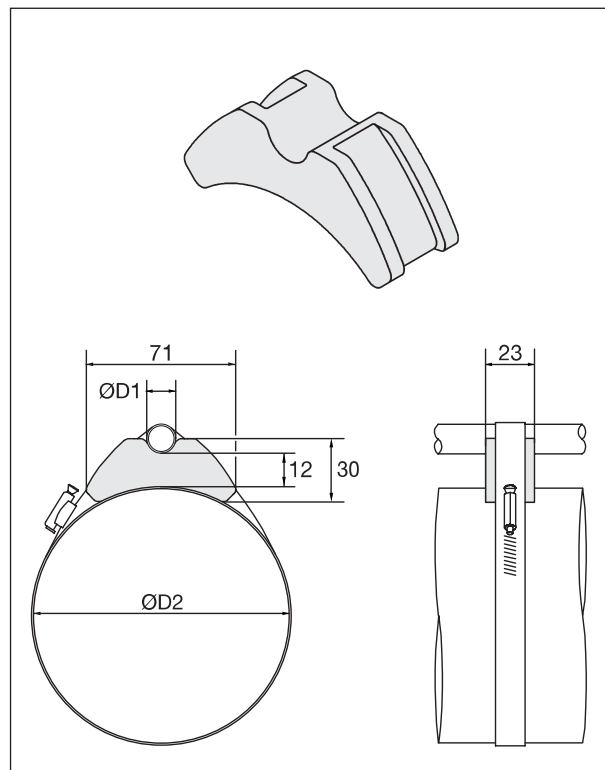
Bolt types:
Standard-Series: Hexagon Head Bolt in conjunction with cover plate. Socket Cap Screw with washer. Slotted Head Screw with washer.
Heavy Series: Hexagon Head Bolt in conjunction with cover plate. For varying cable diameters only the bolt length needs to be varied.

Saddle Clamps For Cylinder Supply Lines (ZR Series)

Material: **Thermoplastic Elastomer (TPE)**
Shore Hardness: **75±5 A**
Color: **Black (Standard)**
Order Code: **ZR 518**

Outer Diameter of Pipes in mm		Steel Strap Dimensions in mm	
ØD1	ØD2	Length	Width
10 - 22	50 - 70	196 - 254	13
10 - 22	60 - 80	225 - 284	13
10 - 22	70 - 90	254 - 314	13
10 - 22	80 - 105	284 - 359	13
10 - 22	90 - 120	314 - 404	13
10 - 22	105 - 140	359 - 464	13
10 - 22	125 - 160	419 - 525	13
10 - 22	145 - 180	479 - 586	13
10 - 22	165 - 200	540 - 647	13

Steel Strap is not included in scope of delivery.



Custom-designed saddle clamps according to customer's specifications or based on STAUFF developments are available on request.

Junction Adaptor Clamps (Steel Fitting)

STANDARD-SERIES

For Use With Hydro- Craft®

MALE JUNCTION ADAPTER - B SERIES

FEMALE JUNCTION ADAPTER - BSAE SERIES

MALE JUNCTION ADAPTER-PIPE - BFM SERIES

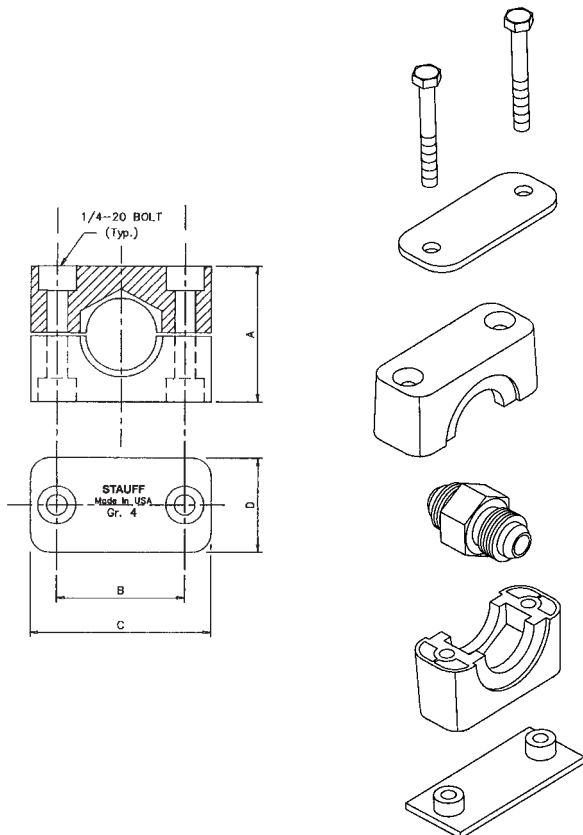
O-RING FACE SEAL - MALE JUNCTION ADAPTER

FB SERIES

LFB SERIES

Part Number	STAUFF Group	Hydro-Craft® Series
4BA10PP	4	10
5BA16 PP	5	16

DIMENSIONS								
GROUP	A		B		C		D	
	mm	in	mm	in	mm	in	mm	in
4	40	1.57	40	1.57	58	2.28	30	1.18
5	59	2.32	52	2.05	69	2.72	30	1.18
7	93	3.66	94	3.70	118	4.65	30	1.18



Truck Clamp Type TC for Brake Lines

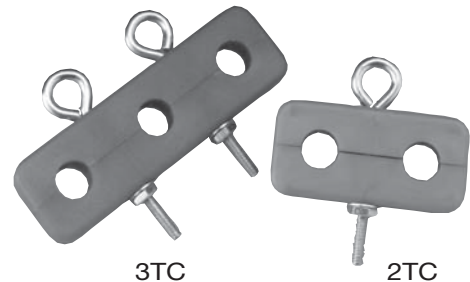
Size Range:

1/4" - 7/8"

Notes:

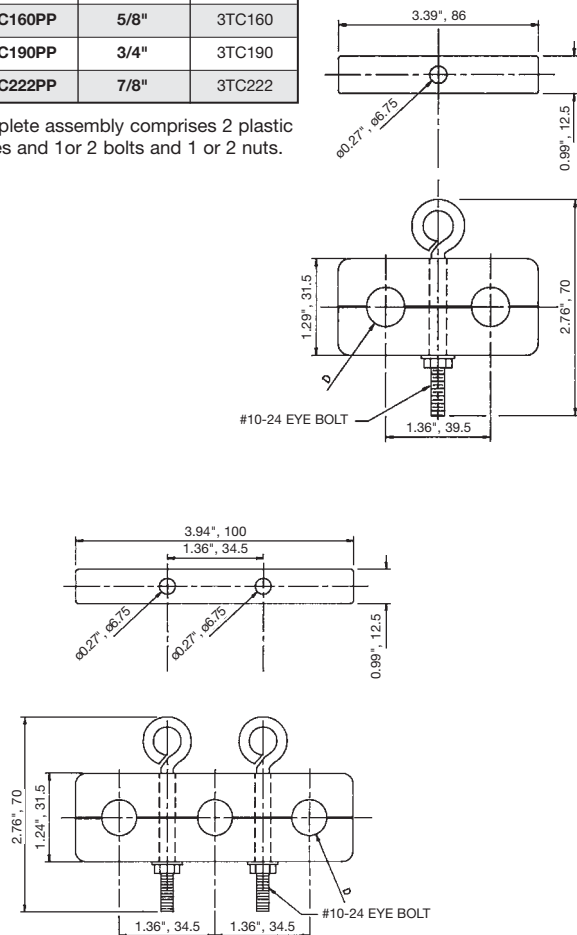
Material: PP

Color: Green



Part Number Plastic Only	Line Size D	Part Number Complete Assembly
2TC064PP	1/4"	2TC064
2TC095PP	3/8"	2TC095
2TC127PP	1/2"	2TC127
2TC160PP	5/8"	2TC160
2TC190PP	3/4"	2TC190
2TC222PP	7/8"	2TC222
3TC064PP	1/4"	3TC064
3TC095PP	3/8"	3TC095
3TC127PP	1/2"	3TC127
3TC160PP	5/8"	3TC160
3TC190PP	3/4"	3TC190
3TC222PP	7/8"	3TC222

Complete assembly comprises 2 plastic halves and 1 or 2 bolts and 1 or 2 nuts.



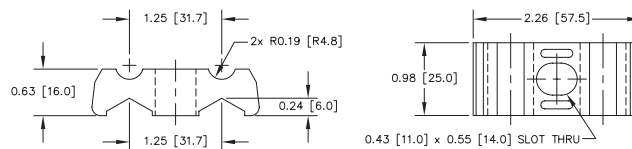
AG Series Clamps

- 2 Sizes, AG2 for 1/8"-5/8", AG3 for 1/4" to 1"
- Fasten Directly to Machine
- Material is: Polypropylene Black
- Temperature Range: -22°F to 194°F (-30°C to 90°C)
- Can Be Stacked
- V Design Allows for a Range of Sizes to be Fixed With One Clamp
- Suitable for 3/8" Bolt
- Sold in Bags of 10

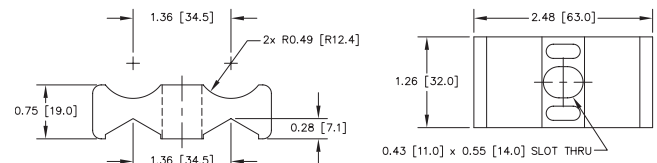


PART #	AG2				AG3			
	Min		Max		Min		Max	
V-Groove	4	3/16	15	5/8	7	1/4	20	3/4
Radius Groove	3	1/8	10	3/8	4	1/4	25	1

AG2



AG3

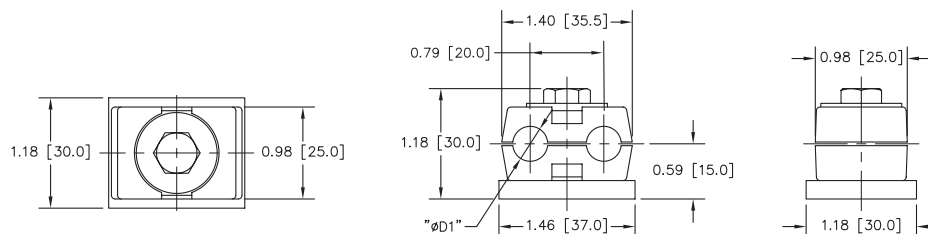


Compact Twin Series Clamps

- For Supporting Two Pipes or Tubes of the Same Diameter
- Low Profile Installation
- Suitable for OEM Applications
- Polypropylene Body
- Carbon Steel Hardware
- Consult Factory if Stainless Steel Required



Clamp Body		Weld Plate W2	Cover Plate W3	Bolt W3
Size	Part #			
6mm x 6mm	DS 1060/060PP	SPDS1	USDS1	ASDS1
1/4" T x 1/4" T	DS 1064/064PP			
6 mm x 6 mm	DS 1080/080PP			
3/8" T x 3/8" T	DS 1095/095PP			
1/8" P x 1/8" P	DS 1102/102PP			

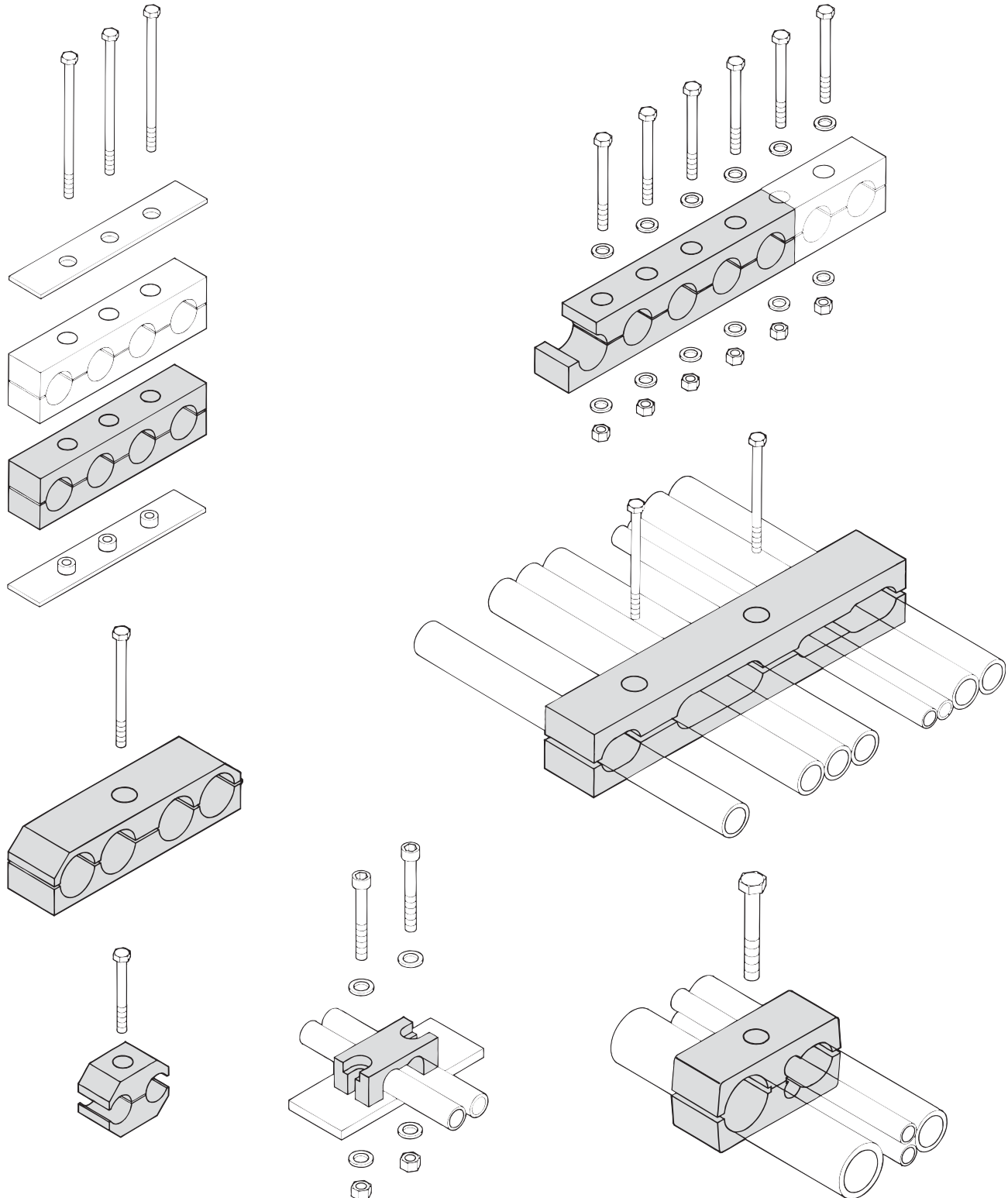


Custom-designed according to customer's specifications or based on STAUFF developments.

MACHINED VERSION

Dimensions and designs acc. to customer's specifications.

Materials: Plastics, Metals



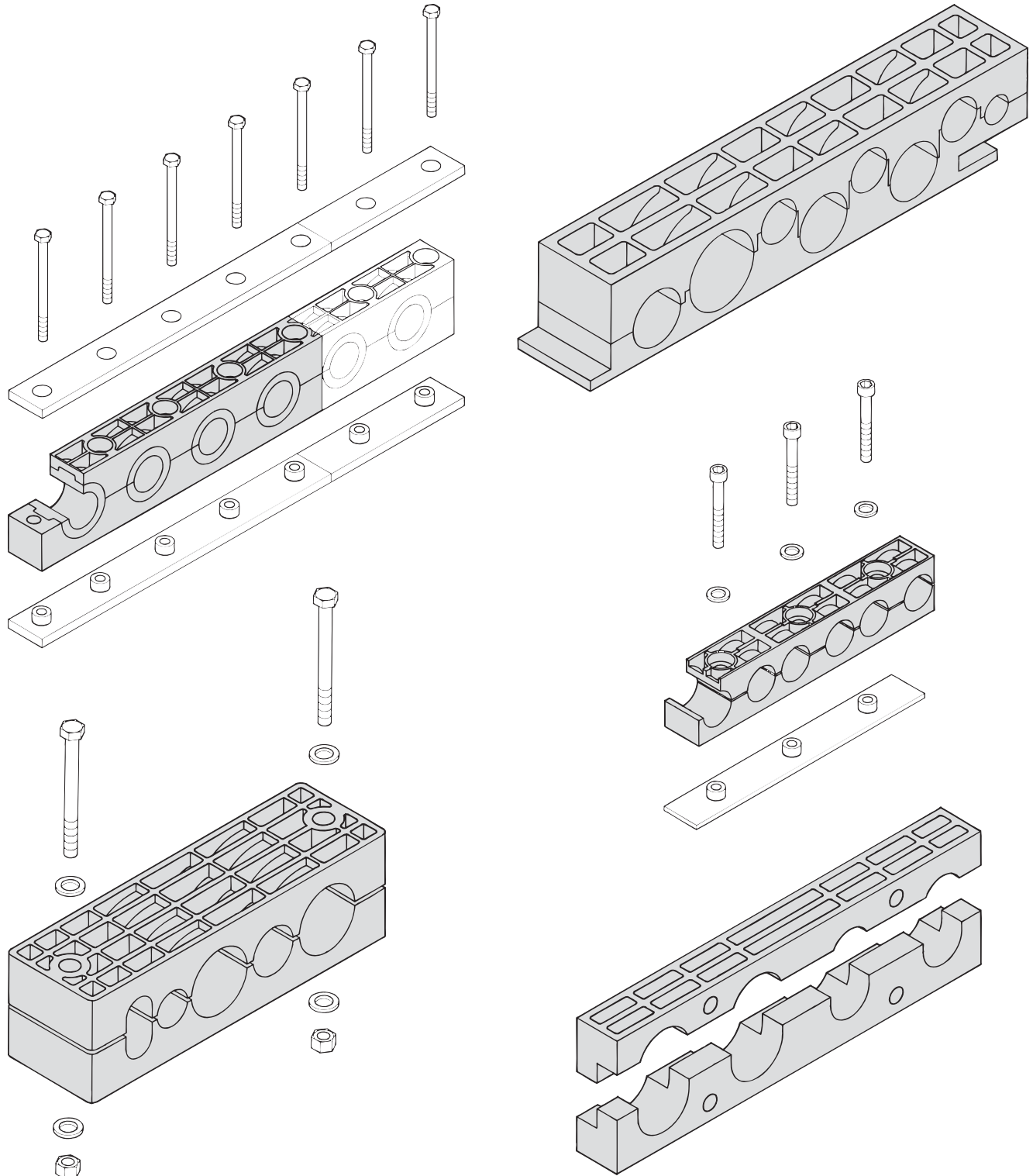
Accessories such as weld plates, cover plates, bolts as well as rubber inserts are available upon request.

Custom-designed according to customer's specifications or based on STAUFF developments.

INJECTION MOLDED VERSIONS

Max. dimensions: Length 650 mm · Height 80 mm · Width 70 mm

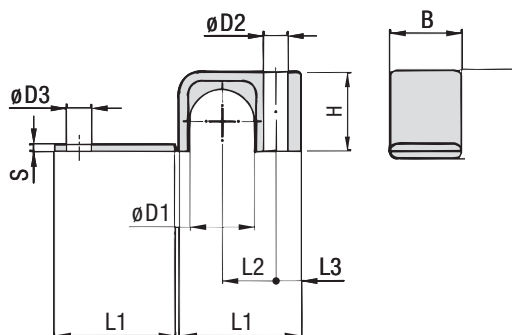
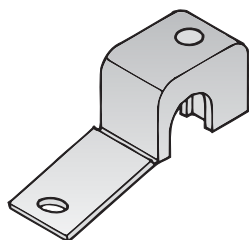
Materials: Polypropylene, Polyamide
Other thermoplastics on request.



Accessories such as weld plates, cover plates, bolts as well as rubber inserts are available upon request.

Applications: Pneumatics, Instrumentation and Automotive Technology, Machine Tool Industry, Lubrication, Mechanical Engineering

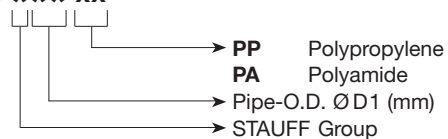
Type LB



Stauff Group	Outside diameter Tube or Hose Ø D1		Nominal bore Pipe inch	L1	L2	L3	B	H	S	Ø D2	Ø D3	Clamp Material XX	Color
1	03,2	1/8											
	06			22	9	6,5	12	10,5	2	6,8	7	PP	black
	06,4	1/4		0.87"	0.35"	0.26"	0.47"	0.41"	0.08"	0.27"	0.28"	PA	yellow
	08												
2	09,5	3/8											
	10		1/8	27	11	7	16	15	2	6,8	7	PP	black
	11,1			1.06"	0.43"	0.28"	0.63"	0.59"	0.08"	0.27"	0.28"	PA	yellow
	12												
3	12,7	1/2											
	13,5		1/4										
	14			34	15	7	20	22,5	2	6,8	7	PP	black
	15			1.39"	0.59"	0.28"	0.79"	0.89"	0.08"	0.27"	0.28"	PA	yellow
	16	5/8											
	17,2		3/8										
	18												
4	19	3/4											
	20												
	21,3		1/2	42	19	7	20	30	2	6,8	7	PP	black
	22			1.65"	0.75"	0.28"	0.79"	1.18"	0.08"	0.27"	0.28"	PA	yellow
	25												
	25,4	1											

ORDER CODE

LB *** xx

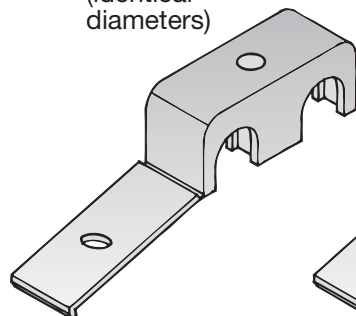


Other thermoplastics and diameters upon request.

Applications: Pneumatics, Instrumentation and Automotive Technology, Machine Tool Industry, Lubrication, Mechanical Engineering

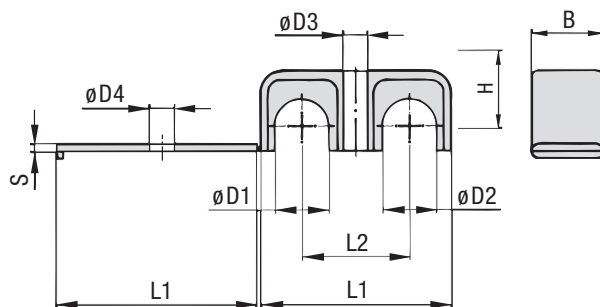
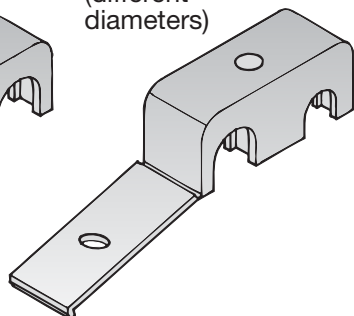
Type LBG

(identical diameters)



Type LBU

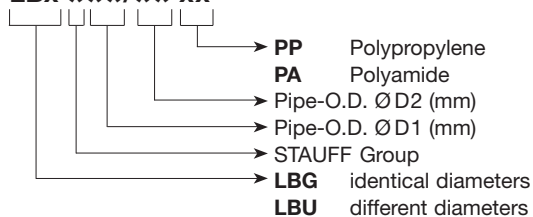
(different diameters)



STAUFF Group	Outside diameter Tube or Hose Ø D1/D2 mm	Nominal bore Pipe inch	L1	L2	B	H	S	Ø D3	Ø D4	Clamp Material XX	Color
1	03,2/03,2	1/8 / 1/8	31 1.22"	18 0.71"	12 0.47"	10,5 0.41"	2 0.08"	6,8 0.27"	7 0.28"	PP	black
	06/06									PA	yellow
	06,4/06,4	1/4 / 1/4									
	08/08										
2	09,5/09,5	3/8 / 3/8	39 1.54"	22 0.87"	16 0.63"	14,5 0.57"	2 0.08"	6,8 0.27"	7 0.28"	PP	black
	10/10	1/8 / 1/8								PA	yellow
	11,1/11,1										
	12/12										
3	12,7/12,7	1/2 / 1/2	53 2.08"	30 1.18"	20 0.79"	22,5 0.89"	2 0.08"	6,8 0.27"	7 0.28"	PP	black
	13,5/13,5	1/4 / 1/4								PA	yellow
	14/14										
	15/15										
	16/16	5/8 / 5/8									
	17,2/17,2	3/8 / 3/8									
4	18/18		70 2.76"	38 1.50"	20 0.79"	30 1.18"	2 0.08"	6,8 0.27"	7 0.28"	PP	black
	19/19	3/4 / 3/4								PA	yellow
	20/20										
	21,3/21,3	1/2 / 1/2									
	22/22										
	25/25										
	25,4/25,4	1 / 1									

ORDER CODE

LBx ***/** xx



Other thermoplastics and diameters upon request.

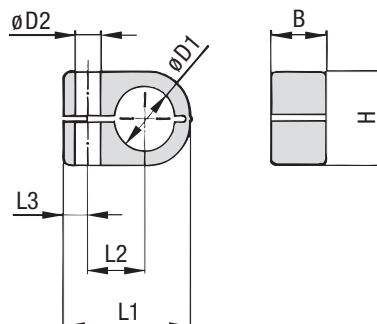
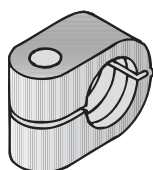
Type

LBG Double pipe clamp for two identical diameters

LBU Double pipe clamp for two different diameters

Applications: Pneumatics, Instrumentation and Automotive Technology, Machine Tool Industry, Lubrication, Mechanical Engineering. Also suitable for cables and hoses.

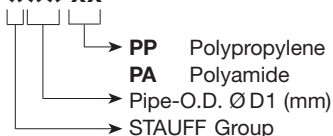
Type LN



STAUFF Group	Outside diameter Tube or Hose Ø D1 mm	Nominal bore Pipe inch	L1	L2	L3	B	H	ØD2	Clamp Material XX	Color
1	06		22	9	7	14,5	13,5	6,8	PP PA	green black
	06,4	1/4	0.87"	0.35"	0.28"	0.57"	0.53"	0.31"		
	08									
2	08		27 1.06"	11 0.43"	7 0.28"	14,5 0.57"	18,5 0.73"	6,8 0.31"	PP PA	green black
	09,5	3/8								
	10									
	12	1/8								
3	12,7	1/2	33 1.30"	15 0.59"	7 0.28"	14,5 0.57"	23,5 0.93"	6,8 0.31"	PP PA	green black
	10									
	12									
	12,7	1/2								
	13,5	1/4								
	14									
4	15		40 1.57"	19 0.75"	7 0.28"	14,5 0.57"	30,5 1.20"	6,8 0.31"	PP PA	green black
	16	5/8								
	17,2	3/8								
	18									
	19	3/4								
	20									
	21,3	1/2								
	22									

ORDER CODE

LN *** xx

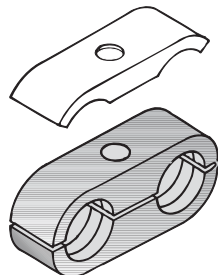


Other thermoplastics and diameters upon request.

Applications: Pneumatics, Instrumentation and Automotive Technology, Machine Tool Industry, Lubrication, Mechanical Engineering. Also suitable for cables and hoses.

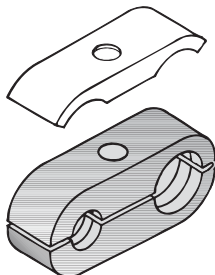
Type LNGF

(identical diameters)

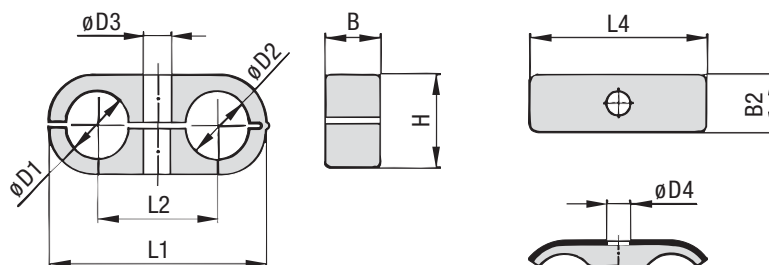


Type LNUF

(different diameters)



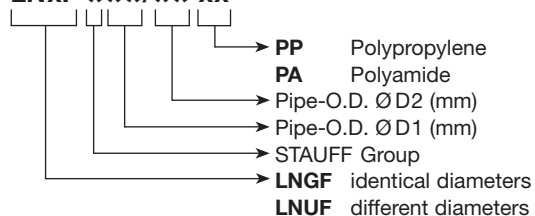
DPL



STAUFF Group	Outside diameter Tube or Hose Ø D1/ D2 mm inch		Nominal Bore Pipe inch	L1	L2	B	H	Ø D3	L4	B2	Ø D4	Clamp Material XX	Color	Cover Plate
1	06/06			32	18	14,5	13,5	6,8	29,5	15,5	6,8	PP	green	DPL 1
	06,4/06,4	1/4 / 1/4		1.26"	0.71"	0.57"	0.53"	0.27"	1.16"	0.61"	0.27"	PA	black	
	08/08													
2	08/08			41	22	14,5	18,5	6,8	40	15,5	6,8	PP	green	DPL 2
	09,5/09,5	3/8 / 3/8		1.61"	0.87"	0.57"	0.73"	0.27"	1.57"	0.61"	0.27"	PA	black	
	10/10		1/8 / 1/8											
	12/12													
3	12,7/12,7	1/2 / 1/2		54	30	14,5	23,5	6,8	51	16	6,8	PP	green	DPL 3
	13,5/13,5		1/4 / 1/4	2.13"	1.18"	0.57"	0.93"	0.27"	2.00"	0.63"	0.27"	PA	black	
	14/14													
	15/15													
	16/16	5/8 / 5/8												
4	14/14			70	38	14,5	30,5	6,8	63,5	16,5	6,8	PP	green	DPL 4
	15/15			2.76"	1.50"	0.57"	1.20"	0.27"	2.50"	0.65"	0.27"	PA	black	
	16/16	5/8 / 5/8												
	17,2/17,2		3/8 / 3/8											
	18/18													
	19/19	3/4 / 3/4												
	20/20													
	21,3/21,3		1/2 / 1/2											
	22/22													

ORDER CODE

LNxF ***/** xx



Other thermoplastics and diameters upon request.

Type

LNGF Double pipe clamp for two identical diameters (one piece design)

LNUF Double pipe clamp for two different diameters (one piece design) (on request only)

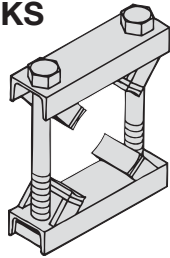
Accessories

Cover Plate DPL
Steel, Zinc Plated

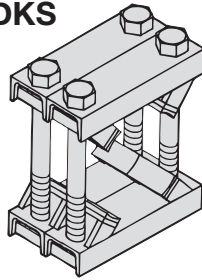
Information

Max. tightening torque: 2,5 Nm

KS

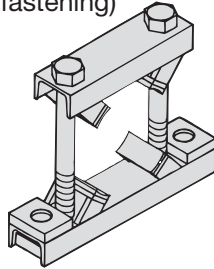


DKS



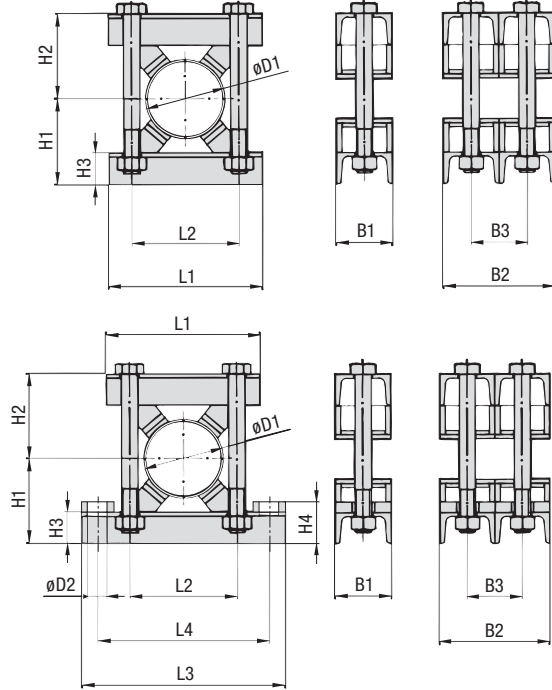
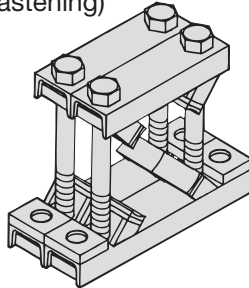
KSV

(for anchor bolt fastening)



DKSV

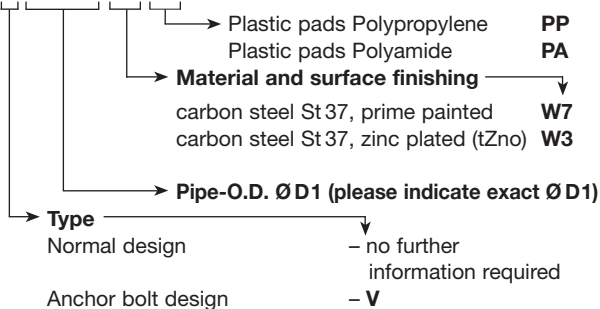
(for anchor bolt fastening)



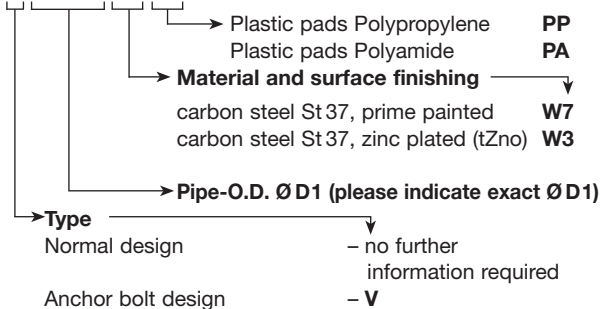
Pipe-O.D. Ø D1 mm in	L1	L2	L3	L4	H1	H2	H3	H4	B1	B2	B3	D2	Hexagon Head Bolt	Number of plastic pads
220 to 275 8.66" to 10.85"	420 16.54"	330 12.99"	580 22.83"	490 19.29"	220 8.66"	220 8.66"	60 2.36"	90 3.54"	140 5.51"	290 11.41"	150 5.91"	35 1.38"	M30 x 420	4
276 to 325 10.87" to 12.80"	460 18.11"	370 14.57"	620 24.41"	530 20.87"	240 9.45"	240 9.45"	60 2.36"	90 3.54"	140 5.51"	290 11.41"	150 5.91"	35 1.38"	M30 x 460	4
326 to 370 12.83" to 14.57"	510 20.08"	420 16.53"	670 26.38"	580 22.83"	260 10.23"	260 10.23"	60 2.36"	90 3.54"	140 5.51"	290 11.41"	150 5.91"	35 1.38"	M30 x 500	4
371 to 425 14.61" to 16.73"	570 22.44"	480 18.89"	750 29.53"	640 25.20"	290 11.42"	290 11.42"	60 2.36"	90 3.54"	140 5.51"	290 11.41"	150 5.91"	35 1.38"	M30 x 560	4
426 to 485 16.77" to 19.09"	620 24.41"	530 20.87"	800 31.50"	730 28.74"	305 12.01"	305 12.01"	60 2.36"	90 3.54"	140 5.51"	290 11.41"	150 5.91"	35 1.38"	M30 x 590	4
486 to 550 19.13" to 21.65"	680 26.77"	590 23.23"	860 33.86"	790 31.10"	370 14.57"	370 14.57"	60 2.36"	90 3.54"	140 5.51"	290 11.41"	150 5.91"	35 1.38"	M30 x 720	4
551 to 630 21.69" to 24.80"	760 29.92"	670 26.38"	940 37.00"	870 34.25"	410 16.14"	410 16.14"	60 2.36"	90 3.54"	140 5.51"	290 11.41"	150 5.91"	35 1.38"	M30 x 800	5
631 to 715 24.84" to 28.15"	845 33.27"	755 29.72"	1025 40.35"	955 37.60"	452 17.80"	452 17.80"	60 2.36"	90 3.54"	140 5.51"	290 11.41"	150 5.91"	35 1.38"	M30 x 884	5
716 to 800 28.19" to 31.50"	940 37.00"	850 33.46"	1120 44.09"	1050 41.34"	495 19.49"	495 19.49"	60 2.36"	90 3.54"	140 5.51"	290 11.41"	150 5.91"	35 1.38"	M30 x 970	5

ORDER CODES

KSx **** xx xx



DKSx **** xx xx



Other materials, surface finishings and diameters upon request.



Cushion Clamps - Tube and Pipe

Sizes 1/4" through 6"

STC and SPC series cushion clamp assemblies are designed to mount directly on 1 5/8" wide strut channel. These clamps are well-suited for most fluid power applications ranging from mobile equipment to industrial machinery.

Stauff cushion clamps can be sized for tube, pipe and hose and offer:

- Reduced horizontal mounting space
- Elimination of shoulder stud provides greater flexibility in securing O. D.
- Reduces shock and vibration while preventing galvanic corrosion
- Easy installation and retro fit capability
- Interchangeable with ZSI, Unistrut, Hydro-Craft® and others.



CLAMPS



TYPICAL INSTALLATION PROCEDURE

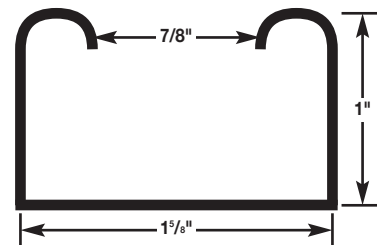
CONSTRUCTION MATERIALS

Clamp Halves — Carbon steel with zinc dichromate (yellow) plating, one clamp half with threaded stud. Lock nut has Nylon insert.

Cushion — Thermoplastic elastomer has 50 (shore D) hardness and operating temperature of -30°F to +275°F. Cushion material is compatible with most oils, chemicals and cleaning solvents.

Strut Channel: SCS Series — Single 1" high profile

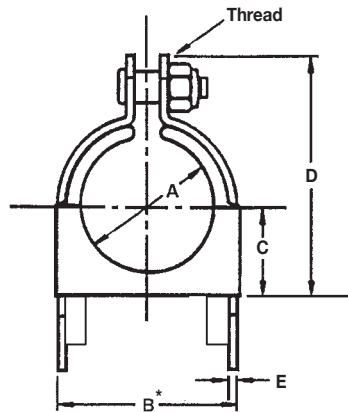
Material:	12 Gauge Carbon Steel
Finish:	Plain or Green (Painted)
Weight:	143 Lbs. per 100 Ft.
Stock Length:	4 Ft. and 10 Ft.



NOTE: Consult factory for other rail profiles.

TUBE STC SERIES		PIPE SPC SERIES		Package Quantity	DIMENSIONS					
Steel Tube	Assembly Part No	Nom. Pipe Size	Assembly Part No		Dim A	Dim B*	Dim C	Dim D	Dim E	UNC Thd Size
1/4"	STC 025-24			24/Box	0.25	0.62	0.22	1.11	0.08	1/4-20
3/8"	STC 037-24				0.37	0.75	0.28	1.24	0.08	1/4-20
1/2"	STC 050-24				0.50	0.87	0.34	1.36	0.08	1/4-20
		1/4"	SPC 025-24		0.54	0.91	0.36	1.41	0.08	1/4-20
5/8"	STC 062-24				0.62	1.00	0.41	1.50	0.08	1/4-20
		3/8"	SPC 037-24		0.67	1.07	0.45	1.59	0.08	1/4-20
3/4"	STC 075-24				0.75	1.33	0.53	1.78	0.08	1/4-20
		1/2"	SPC 050-24		0.84	1.45	0.59	1.91	0.08	1/4-20
7/8"	STC 087-24			12/Box	0.87	1.45	0.58	1.91	0.08	1/4-20
1"	STC 100-12				1.00	1.66	0.66	2.03	0.11	1/4-20
		3/4"	SPC 075-12		1.05	1.79	0.72	2.16	0.11	1/4-20
1 1/4"	STC 125-12				1.25	1.92	0.78	2.30	0.11	1/4-20
		1"	SPC 100-12		1.31	2.22	0.91	2.75	0.12	5/16-18
1 1/2"	STC 150-12				1.50	2.22	0.91	2.75	0.12	5/16-18
		1 1/4"	SPC 125-12		1.66	2.47	1.03	3.03	0.12	5/16-18
		1 1/2"	SPC 150-12		1.90	2.47	1.16	3.28	0.12	5/16-18
2"	STC 200-12			1/Bag	2.00	2.72	1.16	3.28	0.12	5/16-18
		2"	SPC 200		2.37	3.22	1.41	3.78	0.12	5/16-18
2 1/2"	STC 250				2.50	3.47	1.53	4.03	0.12	5/16-18
		2 1/2"	SPC 250		2.87	3.72	1.66	4.27	0.12	5/16-18
3"	STC 300				3.00	3.97	1.78	4.52	0.12	5/16-18
		3"	SPC 300		3.50	4.36	1.97	4.91	0.12	3/8-16
		3 1/2"	SPC 350		4.00	4.97	2.28	5.53	0.12	3/8-16
		4"	SPC 400		4.50	5.47	2.53	6.03	0.12	3/8-16
		5"	SPC 500		5.56	6.47	3.03	7.03	0.14	3/8-16
		6"	SPC 600		6.62	7.47	3.53	8.03	0.14	3/8-16

*Minimum required for installation



NOTE: For hoses and other line types, measure outside diameter and select nearest Dimension "A".

INTERCHANGE LIST – TUBE

TUBE INCH O. D.	STAUFF ASS'Y NO.	ZSI / UNISTRUT ASS'Y NO	HYCON / HYDAC ASS'Y NO	HYDRA - ZORB ASS'Y NO	HYDRO -CRAFT ASS'Y NO
1/4"	STC 025	004T008	H004T008	100025	WS - 04
3/8"	STC 037	006T010	H006T010	100037	WS - 06
1/2"	STC 050	008T012	H008T012	100050	WS - 08
5/8"	STC 062	010T014	H010T014	100062	WS - 10
3/4"	STC 075	012T016	H012T016	100075	WS - 12
7/8"	STC 087	014T018	H014T018	100087	WS - 14
1"	STC 100	016T020	H016T020	100100	WS - 16
1 1/4"	STC 125	020T024	H020T024	100125	WS - 20
1 1/2"	STC 150	024N028	H024N028	100150	WS - 24
2"	STC 200	032N036	H032N036	100200	WS - 32
2 1/2"	STC 250	040N046	H040N046	100251	WS - 40
3"	STC 300	050N054	H050N054	100300	WS - 48

INTERCHANGE LIST – PIPE

PIPE NORM. BORE	STAUFF ASS'Y NO.	ZSI / UNISTRUT ASS'Y NO	HYCON / HYDAC ASS'Y NO	HYDRA - ZORB ASS'Y NO	HYDRO -CRAFT ASS'Y NO
1/4"	SPC 025	009N012	H009N012	200025	WS - 04P
3/8"	SPC 037	011N014	H011N041	200037	WS - 06P
1/2"	SPC 050	014N018	H014N018	200050	WS - 08P
3/4"	SPC 075	017N022	H071N022	200075	WS - 12P
1"	SPC 100	021N026	H021N026	200100	WS - 16P
1 1/4"	SPC 125	027N032	H027N032	200125	WS - 20P
1 1/2"	SPC 150	030N034	H030N034	200150	WS - 24P
2"	SPC 200	038N044	H038N044	200200	WS - 32P
2 1/2"	SPC 250	046N052	H046N052	200250	WS - 40P
3"	SPC 300	056N062	H056N062	200300	WS - 48P
3 1/2"	SPC 350	064N072	H064N072	200350	WS - 56P
4"	SPC 400	072N080	H072N080	200400	WS - 64P
5"	SPC 500	089N096	H089N096	200500	WS - 80P
6"	SPC 600	106N114	H106N114	200600	WS - 96P

HOW TO ORDER

Cushion Clamp Assembly

CLAMP SERIES	SIZE CODE
STC - Tube SPC - Pipe	See Page C40

Determine if assembly for tube or pipe and establish size of line to be clamped. All parts are marked to identify tube or pipe series, clamp size and cushion size.

Example:

Installation requires 1" O. D. tube assembly

STC 100 (1.00" O. D.)

Installation requires 2" nominal pipe assembly

SPC 200 (2.37" O. D.)

Strut Channel

SCS	— 1 —	
048 - 4 Ft.		PL- Plain
120 - 10 Ft.		GR - Green

Select 4 FT. or 10 Ft. length and plain or green (painted) finish.

Applications

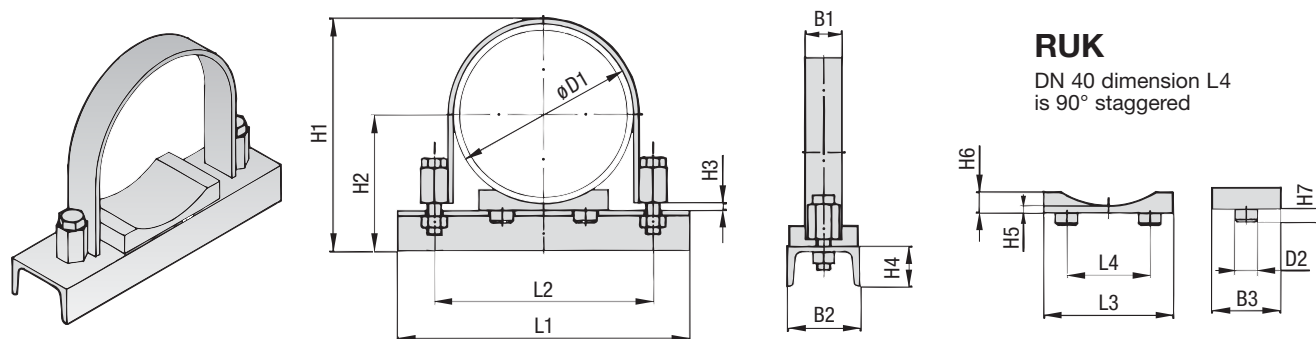
Mobile Equipment

Construction
Agriculture
Mining
Transportation
Maintenance

Industrial Machines

Machine Tool
Presses
Injection Molding
Die-cast
Conveyors

with plastic pipe saddle Type RUK and U-profile (to be used as fixed point clamps only!)

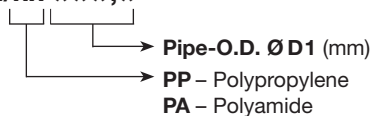


DN	Pipe-O.D. Ø D1	Round Steel U-Bolt FB								U-profile	Plastic Pipe Saddle RUK								Accessories
	mm inch	L1	L2	H1	H2	H3	B1 Flat Steel	B2 x H4	L3	L4	B3	D2	H5	H6	H7	Hex Bolts			
		mm inch	mm inch	mm inch	mm inch	mm inch	mm inch		mm inch	mm inch	mm inch	mm inch	mm inch	mm inch	mm inch				
40	48,3 1 1/2	100 3.94	76 2.99	95 3.74	67 2.64	5	20 x 3	DIN 1026 50 x 38 1.67 x 1.50	24 0.94	25	35 1.38	8 0.31	5	8 0.31	5 0.20	M10 x 40 3/8 - 16UNC x 1-5/8			
50	57 2	115 4.53	85 3.35	103 4.06	71.5 2.81	0.20	40 x 4		1.67 x 1.50	24 0.94	25	35 1.38	8 0.31	5	8 0.31	6	M10 x 40 3/8 - 16UNC x 1-5/8		
65	76,1 2 1/2	132 5.20	104 4.09	122 4.80	81 3.19														
80	88,9 3	160 6.30	122 4.80	146 5.75	97.5 3.84														
100	108 4	170 6.69	140 5.51	165 6.50	107 4.21	8	40 x 4	1.67 x 1.50	24 0.94	25	35 1.38	8 0.31	5	8 0.31	6	M12 x 55 7/16 - 14UNC x 2-1/8			
125	133 5	210 8.27	165 6.50	190 7.48	119.5 4.70														
150	159 6	265 10.43	201 7.91	220 8.66	132.5 5.22														
175	168,3 6	275 10.83	211 8.31	230 9.06	137 5.39	12	40 x 6	DIN 1026 50 x 38 3.15 x 1.77	140	90	75	25	30	32	10	M16 x 75 5/8 - 11UNC x 3			
200	193,7 7.5	305 12.01	236 9.29	255 10.04	150 5.91														
250	216 8	320 12.60	260 10.24	277 10.91	161 6.34														
300	267 10	380 14.96	325 12.80	328 12.91	186.5 7.34	12	40 x 8	DIN 1026 50 x 38 3.94 x 1.97	220	150	75	30	32	10	M20 x 80 3/4 - 10UNC x 3-1/8				
350	273 10	385 15.16	330 12.99	334 13.15	189.5 7.46														
400	318 12	440 17.32	375 14.76	384 15.12	212 8.35														
450	323,9 12	450 17.72	382 15.04	390 15.35	215 8.46	12	60 x 8	DIN 1026 50 x 38 3.94 x 1.97	220	150	75	30	32	10	M24 x 100 7/8 - 9UNC x 4				
500	355,6 14	480 18.90	420 16.54	421 16.57	236 9.29														
550	368 14	490 19.29	430 16.93	434 17.09	242 9.53														
600	406,4 16	550 21.65	470 18.50	472 18.58	261 10.27	12	60 x 8	DIN 1026 50 x 38 3.94 x 1.97	220	150	75	30	32	10	M24 x 100 7/8 - 9UNC x 4				
650	419 16	585 23.03	482 18.96	485 19.09	267.5 10.53														
700	457 18	630 24.80	520 20.47	523 20.59	286.5 11.28														
750	508 20	640 25.20	585 23.03	574 22.60	312 12.28	12	60 x 8	DIN 1026 50 x 38 3.94 x 1.97	220	150	75	30	32	10	M24 x 100 7/8 - 9UNC x 4				
800	521 20	640 25.20	585 23.03	574 22.60	312 12.28														
850	521 20	640 25.20	585 23.03	574 22.60	312 12.28														

ORDER CODES

FB + RUK complete

FB + RUK/xx *,***



Clamp consisting of: (for FB + RUK only)

- 1 x Flat steel U-bolt clamp
1 x RUK/xx
1 x U-profile c/w nuts
2 x Hexagon head bolts DIN EN ISO
4014/4017

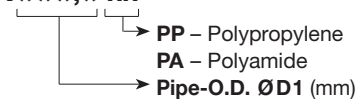
Round Steel U-Bolt
FB ** A * kompl**



Material and surface finishing

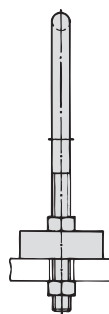
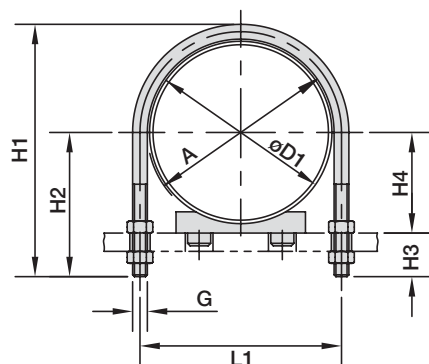
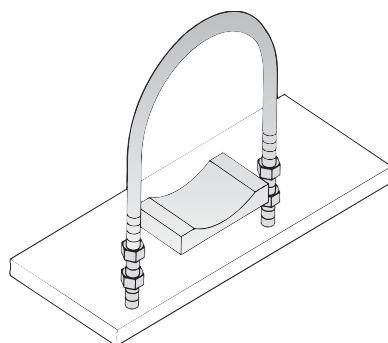
- carbon steel St37, untreated
carbon steel St37, zinc plated (Fe/Zn 8c)
stainless steel A4 - 1.4401/1.4571
(AISI 316/316Ti)
carbon steel St37, plastic coated

Plastic Pipe Saddle RUK***,* xx



Information

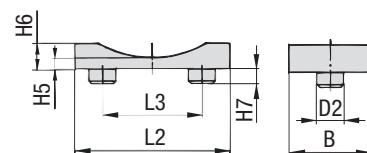
Items are supplied non-assembled.
Other materials and surface
finishings upon request.



up to DN 25
without counter nut

RUK

DN 20 – DN 40 dimension
L3 is 90° staggered



DN	Pipe-O.D. ØD1	Round Steel U-Bolt RB								Plastic Pipe Saddle RUL							
	mm inch	A	L1	H1	H2	H3	H4	G	L2	L3	B	H5	H6	H7	D2		
		mm inch	mm inch	mm inch	mm inch	mm inch	mm inch		mm inch	mm inch	mm inch	mm inch	mm inch	mm inch	mm inch		
20	25 26,9 3/4	30 1.18	40 1.57	73.5 2.89	46 1.81	30	17.5 0.69 18.5 0.73	M10 3/8-16UNC	35	25	24	5	8	5	8		
	30 33,7 1	38 1.50	48 1.89	81 3.19	50	20 0.79 22 0.87	20 0.79 22 0.87		20 0.79 22 0.87								
32	38 42,4 1 1/4	46 1.81	56 2.20	89 3.50	1.97	1.18	24 0.94 26,2 1.03	M12 7/16-14UNC	38	50	10	6	10	30			
	44,5 48,3 1 1/2	52 2.05	62 2.44	100 3.94	55 2.17	35 1.38	27,2 1.07 29 1.14		27,2 1.07 29 1.14								
50	57 60,3 2	64 2.52	76 2.99	118 4.65	63 2.48	39	33,5 1.32 35,2 1.39	M16 5/8-11UNC	75	40	70	8	17	10	15		
	76,1 88,9 2 1/2	82 3.23	94 3.70	135 5.31	77 3.03	1.54	43 1.69 52,5 2.07		43 1.69 52,5 2.07								
80	108 114,3 4	120 4.72	136 5.35	190 7.48	105	47	62 2.44 65 2.56	M20 3/4-10UNC	140	90	75	26	32	25	30		
	133 139,7 5	148 5.83	164 6.46	217 8.54	1.93	78 3.07	78 3.07		78 3.07								
100	159 168,3 6	176 6.93	192 7.56	247 9.72	51	87,5 3.44 92 3.62	M24 7/8-9UNC	220	150	32	30	1.02	0.98				
	193,7 216 7	202 7.95	218 8.58	273 10.74	4.13	105 4.13		105 4.13									
125	219,1 267 8	228 8.98	248 9.76	311 12.24	125	59	116 4.57 117,5 4.63	M24 7/8-9UNC	5.51	3.54	1.02	0.98					
	273 318 10	282 11.10	302 11.89	364 14.33	2.32	144,5 5.69	144,5 5.69										
150	323,9 355,6 12	332 13.07	352 13.86	418 16.46	4.92	2.44	167 6.57 170 6.69	M24 7/8-9UNC	5.91	5.91	2.95	0.31	1.26	0.39	1.18		
	368 406,4 14	378 14.88	402 15.83	475 18.70	145	70	186 7.32 192 7.56		186 7.32 192 7.56								
175	419 449 16	428 16.85	452 17.80	526 20.70	5.71	2.76	211 8.31 217,5 8.56	M24 7/8-9UNC	5.91	5.91	2.95	0.31	1.26	0.39	1.18		
	508 521 20	530 20.87	554 21.81	627 24.69	5.71	2.76	262 10.31 269 10.59		262 10.31 269 10.59								

ORDER CODES

RB + RUK complete
RBxx RUK/xx *,***

Pipe-O.D. ØD1 (mm)
PP – Polypropylene
PA – Polyamide

Material and surface finishing

carbon steel St 37, untreated	W1
carbon steel St 37, zinc plated (Fe/Zn 8 C)	W3
stainless steel A4 - 1.4401/1.4571 (AISI 316/316Ti)	W5
carbon steel St 37, plastic coated	W6

**Round Steel U-Bolt
RBxx A *** kompl**

→ **Dimension A**

Material and surface finishing

carbon steel St37, untreated	W1
carbon steel St37, zinc plated (Fe/Zn 8 C)	W3
stainless steel A4 - 1.4401/1.4571 (AISI 316/316Ti)	W5
carbon steel St 37, plastic coated	W6

Plastic Pipe Saddle

RUK ***,* xx

→ **PP** – Polypropylene
PA – Polyamide
→ **Pipe-O.D. ØD1** (mm)

Information

Items are supplied non-assembled. Other materials and surface finishings upon request.

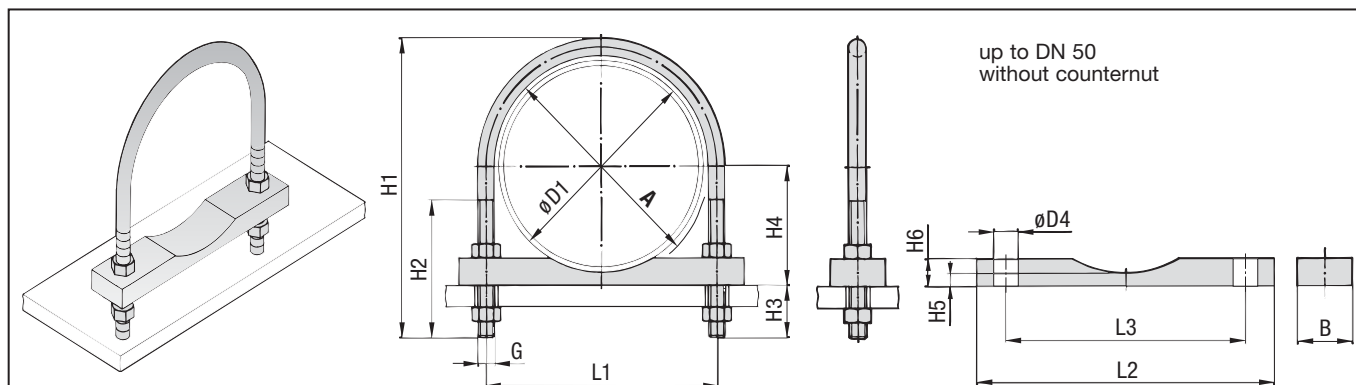
Clamp consisting of:

1 x Round Steel U-Bolt, 4 x Nuts DIN EN ISO 4032,
1 x Plastic Pipe Saddle RUK/xx

Clamp consisting of:

1 x Round Steel U-Bolt
4 x Nuts DIN EN ISO 4032

with plastic pipe saddle - long - RUL



DN	Pipe-O.D. ØD1		Round Steel U-Bolt RB								Plastic Pipe Saddle RUL						
	mm	inch	A	L1	H1	H2	H3	H4	G		L2	L3	B	H5	H6	ØD4	
20	25		30	40	73.5	46	30	17.5	M10	3/8-16UNC	75	40	30	5	12	11	
	26.9	3/4	1.18	1.57	2.89	1.81		0.69			2.95	1.57					
25	30		38	48	81	50		20	M12	7/16-14UNC	80	48					
	33.7	1	1.50	1.89	3.19			0.79			3.15	1.89					
32	38		46	56	89			24	M16	5/8-11UNC	90	56					
	42.4	1 1/4	1.81	2.20	3.50	1.97	1.18	0.94			3.54	2.20	1.18		0.47		
40	44.5		52	62	100	55	35	27.2	M20	3/4-10UNC	95	62	35		15		0.43
	48.3	1 1/2	2.05	2.44	3.94	2.17	1.38	1.07			3.74	2.44					
50	57		64	76	118	63	39	33.5	M24	7/8-9UNC	110	76					14
	60.3	2	2.52	2.99	4.65	2.48	1.54	1.39			4.33	2.99					
65	76.1	2 1/2	82	94	135	77	43	35.2	M24	7/8-9UNC	135	94		0.20	0.59		
	88.9	3	3.23	3.70	5.31	3.03	1.61	1.69			5.31	3.70	1.38				0.55
80	108		94	106	152	82	39	54.5	M20	3/4-10UNC	145	106	40	10	20		
	114.3	4	3.70	4.17	5.98	3.23	1.61	2.07			5.70	4.17					18
100	133		120	136	190	105	47	64	M16	5/8-11UNC	190	136					
	139.7	5	4.72	5.35	7.48			2.56			7.48	5.35					
125	159		148	164	217			76.5	M20	3/4-10UNC	220	164		1.57	0.39	0.79	
	168.3	6	5.83	6.46	8.54			3.07			8.66	6.46					
150	193.7		176	192	247		47	91.5	M24	7/8-9UNC	250	192	50	12	25		
	199.1	8	6.93	7.56	9.72			3.44			9.84	7.56					0.71
175	216		202	218	273	125	55	109	M20	3/4-10UNC	270	218					
	219.1	8	7.95	8.58	10.74	4.13	2.01	4.13			10.63	8.58					22
200	267		228	248	311			120	M24	7/8-9UNC	315	248					
	273	10	8.98	9.76	12.24			4.57			12.40	9.76					
250	318		282	302	364			121.5	M20	3/4-10UNC	370	302		1.97	0.47	0.98	
	323.9	12	11.10	11.89	14.33			4.63			14.57	11.89					0.87
300	355.6		332	352	418		55	145.5	M24	7/8-9UNC	420	352	60	15	30		
	368	14	13.07	13.86	16.46	4.92	2.44	5.69			16.54	13.86					
350	406.4		378	402	475	145	63	174	M24	7/8-9UNC	480	402					26
	419	16	14.88	15.83	18.70			6.57			18.90	15.83					
400	508		428	452	526			199	M24	7/8-9UNC	540	452					
	521	20	16.85	17.80	20.70			7.56			21.26	17.80					
500			530	554	627			224.5	M24	7/8-9UNC	640	554					
			20.87	21.81	24.69	5.71	2.76	8.56			25.20	21.81	2.36	0.59	1.18	1.02	

ORDER CODES

RB + RUL complete

RBxx RUL/xx ***,*

→ Pipe-O.D. ØD1 (mm)
 → PP - Polypropylene
 → PA - Polyamide

Material and surface finishing

carbon steel St37, untreated **W1**
 carbon steel St37, zinc plated (Fe/Zn 8 C) **W3**
 stainless steel A4 - 1.4401/1.4571 **W5**
 (AISI 316/316Ti)
 carbon steel St 37, plastic coated **W6**

Clamp consisting of:

1 x Round Steel U-Bolt, 4 x Nuts DIN EN ISO 4032,
 1 x Plastic Pipe Saddle RUL/xx

Round Steel U-Bolt

RBxx A *** kompl

→ Dimension A

Material and surface finishing

carbon steel St37, untreated **W1**
 carbon steel St37, zinc plated (Fe/Zn 8 C) **W3**
 stainless steel A4 - 1.4401/1.4571 **W5**
 (AISI 316/316Ti)
 carbon steel St 37, plastic coated **W6**

Clamp consisting of:

1 x Round Steel U-Bolt
 4 x Nuts DIN EN ISO 4032

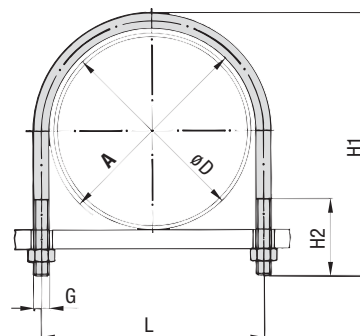
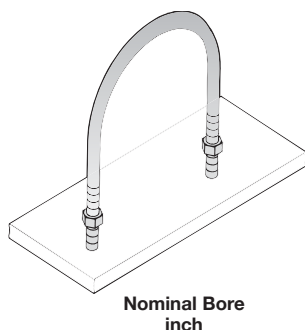
Plastic Pipe Saddle

RUL ***,* xx

→ PP - Polypropylene
 → PA - Polyamide
 → Pipe-O.D. ØD1 (mm)

Information

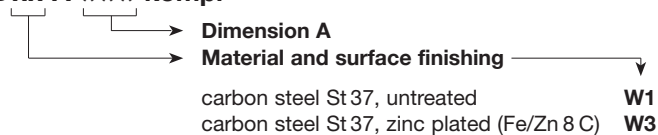
Items are supplied non-assembled. Other materials and surface finishings upon request.



DN	Pipe-O.D. Ø D		Round Steel U-Bolt RBD								
	mm	inch	A		L		H1		H2		G
			mm	inch	mm	inch	mm	inch	mm	inch	
20	25		30		40		70		40	M10 3/8-16UNC	
	26,9	3/4	1.18		1.57		2.76		1.57		
25	30		38		48		76		50 		

ORDER CODE

RBDxx A *** kompl



Clamp consisting of:

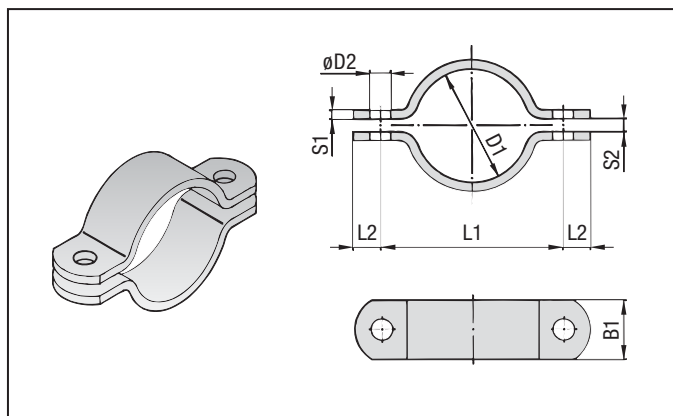
1 x Round Steel U-Bolt
2 x Nuts DIN EN ISO 4032

Information

Items are supplied non-assembled.

Other materials and surface finishings upon request.

according to **DIN 3567, Type A**



STAUFF Group	Nominal Size	L1	L2	S1	S2	D2	B1	Accessories
Ø D1	mm in	mm in	mm in	mm in	mm in	mm in	mm in	Hexagon Head Bolts Hexagon Nuts
20	15	57	2.24	15	5	7	11,5	30
22	15	59	2.32					
25	20	62	2.44					
27	20	66	2.60					
30	25	68	2.68					
34	25	72	2.83					
38	32	76	2.99					
43	32	82	3.23					
45	40	84	3.31					
49	40	88	3.46	0.59	0.20	0.28	0.45	1.18
57	50	104	4.09	18	6	9	14	40
61	50	108	4.25					
77	65	122	4.80	0.71	0.24	0.35	0.55	1.57
89	80	136	5.35					
108	100	172	6.77	24	8	11	18	50
115	100	178	7.01					
133	125	196	7.72					
140	125	204	8.03					
159	150	222	8.74					
169	150	232	9.13					
194	175	258	10.16					
216	200	280	11.02	0.94		0.43	0.71	1.97
220	200	284	11.18					
267	250	342	13.46	30		14	23	60
273	250	348	13.70					
318	300	392	15.43					
324	300	398	15.67	1.18	0.31	0.55	0.91	2.36
368	350	444	17.48					
407	400	498	19.61	36	10	18	27	70
419	400	510	20.08					
521	500	614	24.17	1.42	0.39	0.71	1.06	2.76

ORDER CODE

DIN 3567 A-***

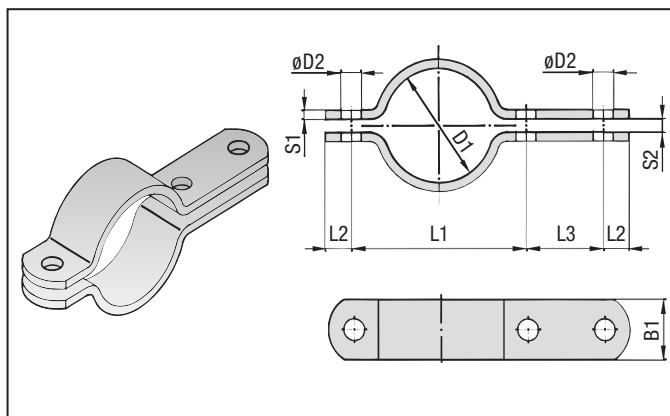
→ STAUFF Group D1

MATERIAL AND SURFACE FINISHING

STAUFF Group 20–521 **W1** carbon steel St37, untreated

Other materials, surface finishings and diameters on request.
Bolts and nuts do not belong to the delivery standard.

according to **DIN 3567, Type B**



STAUFF Group	Nominal Size	L1	L2	L3	S1	S2	D2	B1	Accessories
Ø D1	mm in	mm in	mm in	mm in	mm in	mm in	mm in	mm in	Hexagon Head Bolts Hexagon Nuts
20	15	57	2.24	15	46	5	7	11,5	30
22	15	59	2.32						
25	20	62	2.44						
27	20	66	2.60						
30	25	68	2.68						
34	25	72	2.83						
38	32	76	2.99						
43	32	82	3.23						
45	40	84	3.31						
49	40	88	3.46	0.59	1.81	0.20	0.28	0.45	1.18
57	50	104	4.09	18	54	6	9	14	40
61	50	108	4.25						
77	65	122	4.80	0.71	2.13	0.24	0.35	0.55	1.57
89	80	136	5.35						
108	100	172	6.77	24	70	8	11	18	50
115	100	178	7.01						
133	125	196	7.72						
140	125	204	8.03						
159	150	222	8.74						
169	150	232	9.13						
194	175	258	10.16						
216	200	280	11.02	0.94	2.76		0.43	0.71	1.97
220	200	284	11.18						
267	250	342	13.46	30	86		14	23	60
273	250	348	13.70						
318	300	392	15.43						
324	300	398	15.67	1.18	3.39	0.31	0.55	0.91	2.36
368	350	444	17.48						
407	400	498	19.61	36	104	10	18	27	70
419	400	510	20.08						
521	500	614	24.17	1.42	4.09	0.39	0.71	1.06	2.76

ORDER CODE

DIN 3567 B-***

→ STAUFF Group D1

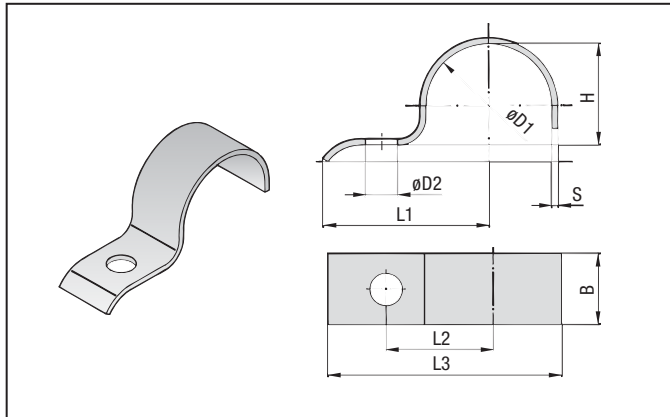
MATERIAL AND SURFACE FINISHING

STAUFF Group 20–521 **W1** carbon steel St37, untreated

Other materials, surface finishings and diameters on request.
Bolts and nuts do not belong to the delivery standard.

according to **DIN 1592**

according to **DIN 1593**



STAUFF Group Ø D1	Dia. Range		L1		L2		L3		H		D2		B		S	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
7	5,5-7	0.22-0.28	22	0.87	14	0.55	27,5	1.08	5	0.20	6,6	0.26	16	0.63	2	0.08
9	7-9	0.28-0.35	27	1.06	18	0.71	33,5	1.32	6	0.24	20	0.79	20	0.79	2	0.08
13	9,5-13	0.37-0.51	40	1.57	25	0.98	49,5	1.95	9	0.35	11	0.43	25	0.98	3	0.12
15,5	13-15,5	0.51-0.61	41	1.61	26	1.02	52	2.05	12	0.47	14	0.55	30	1.18	5	0.20
19	15,5-19	0.61-0.75	43	1.69	28	1.10	55,5	2.19	15	0.59	18	0.71	40	1.57	8	0.31
23	20-23	0.79-0.91	51	2.01	35	1.38	67	2.64	19	0.75	22	0.87	40	1.57	8	0.31
26	23-26	0.91-1.02	52	2.05	36	1.42	70	2.76	22	0.87	24	0.94	40	1.57	8	0.31
28,5	26-28,5	1.02-1.12	53	2.09	37	1.46	73	2.87	24	0.94	26	1.02	40	1.57	8	0.31
31	28,5-31	1.12-1.22	55	2.17	39	1.54	75,5	2.97	27	1.06	28	1.10	40	1.57	8	0.31
36	33-36	1.30-1.42	57	2.24	41	1.61	81	3.19	32	1.26	30	1.18	40	1.57	8	0.31
39	36-39	1.42-1.54	59	2.32	43	1.69	83,5	3.29	34	1.34	32	1.26	40	1.57	8	0.31
43	39-43	1.54-1.69	68	2.68	48	1.89	94,5	3.72	38	1.50	34	1.34	40	1.57	8	0.31
46	43-46	1.69-1.81	70	2.76	50	1.97	98	3.86	41	1.61	36	1.42	40	1.57	8	0.31
49	46-49	1.81-1.93	73	2.87	53	2.09	105,5	4.15	44	1.73	38	1.50	40	1.57	8	0.31
52*	49-52	1.93-2.05	76	2.99	56	2.20	110	4.33	47	1.85	40	1.57	40	1.57	8	0.31
58	53-58	2.09-2.28	78	3.07	58	2.28	115	4.53	52	2.05	42	1.65	40	1.57	8	0.31
61	58-61	2.28-2.40	80	3.15	60	2.36	118,5	4.67	57	2.24	44	1.73	40	1.57	8	0.31

* similar to DIN 1592

ORDER CODE

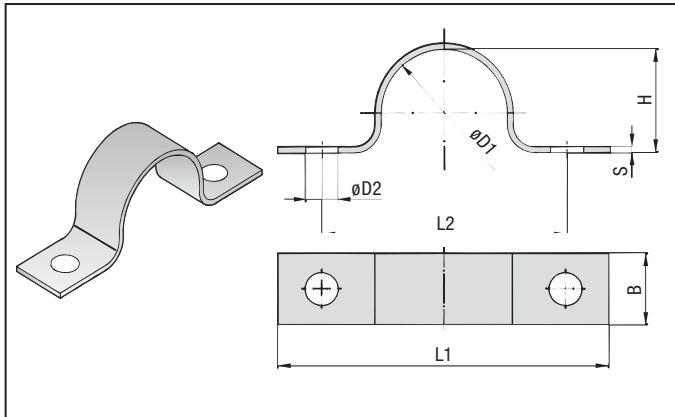
DIN 1592-***

→ STAUFF
Group Ø D1

MATERIAL AND SURFACE FINISHING

STAUFF Group 7 – 49 **W3** carbon steel St 37,
zinc plated (Fe/Zn 8 C)
STAUFF Group 52 – 61 **W1** carbon steel St 37, untreated
(Surface finishing on request only)

Other materials, surface finishings and diameters upon request.



STAUFF Group Ø D1	Dia. Range		L1		L2		H		D2		B		S	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
7	5,5-7	0.22-0.28	44	1.73	28	1.10	5	0.20	6,6	0.26	16	0.63	2	0.08
9	7-9	0.28-0.35	48	1.89	32	1.26	6	0.24	20	0.79	20	0.79	2	0.08
13	9,5-13	0.37-0.51	52	2.05	36	1.42	9	0.35	11	0.43	25	0.98	3	0.12
15,5	13-15,5	0.51-0.61	56	2.20	40	1.57	12	0.47	14	0.55	30	1.18	5	0.20
19	15,5-19	0.61-0.75	60	2.36	44	1.73	15	0.59	18	0.71	40	1.57	8	0.31
23	20-23	0.79-0.91	82	3.23	56	2.20	19	0.75	22	0.87	40	1.57	8	0.31
26	23-26	0.91-1.02	84	3.31	58	2.28	22	0.87	24	0.94	40	1.57	8	0.31
28,5	26-28,5	1.02-1.12	90	3.54	64	2.52	24	0.94	26	1.02	40	1.57	8	0.31
31	28,5-31	1.12-1.22	106	4.17	80	3.15	32	1.26	30	1.18	40	1.57	8	0.31
36	33-36	1.30-1.42	110	4.33	84	3.31	34	1.34	32	1.26	40	1.57	8	0.31
39	36-39	1.42-1.54	120	4.72	88	3.46	38	1.50	34	1.34	40	1.57	8	0.31
43	39-43	1.54-1.69	122	4.80	90	3.54	41	1.61	36	1.42	40	1.57	8	0.31
46	43-46	1.69-1.81	122	4.80	90	3.54	41	1.61	36	1.42	40	1.57	8	0.31
49	46-49	1.81-1.93	142	5.59	110	4.33	52	2.05	40	1.57	40	1.57	8	0.31
58	53-58	2.09-2.28	152	5.98	120	4.72	66	2.60	42	1.65	40	1.57	8	0.31
61	58-61	2.28-2.40	152	5.98	120	4.72	66	2.60	42	1.65	40	1.57	8	0.31
71	67-71	2.64-2.80	176	6.93	136	5.35	72	2.83	44	1.73	40	1.57	8	0.31
77	73-77	2.87-3.03	184	7.24	144	5.67	76	2.99	46	1.81	40	1.57	8	0.31
81	77-81	3.03-3.19	198	7.80	158	6.22	85	3.35	48	1.89	40	1.57	8	0.31
91	86-91	3.39-3.58	214	8.43	174	6.85	98	3.86	50	1.97	40	1.57	8	0.31
103	99-103	3.90-4.06	220	8.66	180	7.09	104	4.09	52	2.05	40	1.57	8	0.31
109	105-109	4.13-4.29	226	8.90	186	7.32	109	4.29	54	2.13	40	1.57	8	0.31
115	110-115	4.33-4.53	226	8.90	186	7.32	109	4.29	54	2.13	40	1.57	8	0.31

ORDER CODE

DIN 1593-***

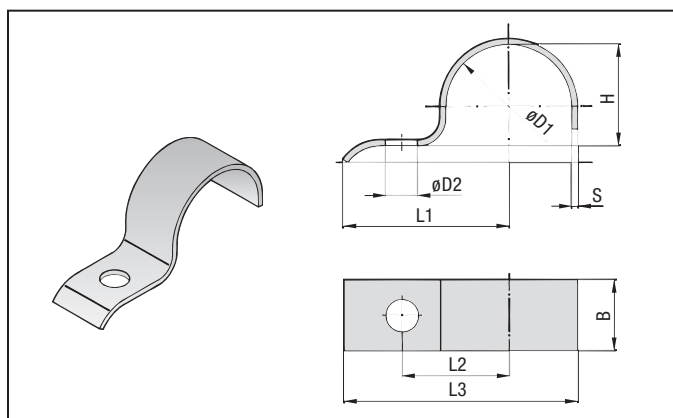
→ STAUFF
Group Ø D1

MATERIAL AND SURFACE FINISHING

STAUFF Group 7 – 77 **W3** carbon steel St 37,
zinc plated (Fe/Zn 8 C)
STAUFF Group 81 – 115 **W1** carbon steel St 37, untreated
(Surface finishing on request only)

Other materials, surface finishings and diameters upon request.

according to **DIN 1596**



STAUFF Group Ø D1	Dia. Range		L1		L2		L3		H		D2		B		S	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
7	5.5-7	0.22-0.28	26	1.02	14	0.55	31.5	1.24	5	0.20	6.6		16		2	
9	7-9	0.28-0.35	28	1.10	16	0.63	34.5	1.36	6	0.24			0.63		0.08	
13	9.5-13	0.37-0.51	30	1.18	18	0.71	38.5	1.52	9	0.35			20		2	
15,5	13-15.5	0.51-0.61	32	1.26	20	0.79	41.75	1.64	12	0.47						
19	15.5-19	0.61-0.75	34	1.34	22	0.87	45.5	1.79	15	0.59	0.26		0.79		0.12	
23	20-23	0.79-0.91	43	1.69	28	1.10	57.5	2.26	19	0.75	9		25		3	
26	23-26	0.91-1.02	44	1.73	29	1.14	60	2.36	22	0.87						
28,5	26-28.5	1.02-1.12	47		32		64.25	2.53	24	0.94						
31	28.5-31	1.12-1.22		1.85		1.26	65.5	2.58	27	1.06						
33*	31-33	1.22-1.30	56	2.20	36	1.42	75.5	2.97	29	1.14	0.35		0.98			
36	33-36	1.30-1.42	57	2.24	40	1.57	78	3.07	32	1.26	11		30			
39	36-39	1.42-1.54	59	2.32	42	1.65	81.5	3.21	34	1.34						
43	39-43	1.54-1.69	61	2.40	44	1.73	85.5	3.37	38	1.50						
46	43-46	1.69-1.81	62	2.44	45	1.77	88	3.46	41	1.61	0.43		1.18		0.20	
49	46-49	1.81-1.93	67	2.64	48	1.89	95.5	3.76	44	1.73	14		40		4	
52*	49-52	1.93-2.05	72	2.83	53	2.09	102	4.02	47	1.85						
58	53-58	2.09-2.28	74	2.91	55	2.17	107	4.21	52	2.05						
61	58-61	2.28-2.40	77	3.03	58	2.28	111.5	4.39	56	2.24	0.55		1.57		0.31	

* similar to DIN 1596

ORDER CODE

DIN 1596 - ***

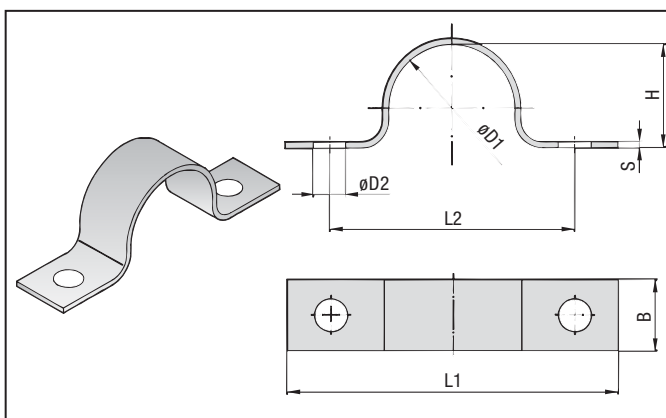
→ STAUFF
Group Ø D1

MATERIAL AND SURFACE FINISHING

STAUFF Group 7 – 61 **W3** carbon steel St37,
zinc plated (Fe/Zn 8 C)

Other materials, surface finishings and diameters upon request.

according to **DIN 1597**



STAUFF Group Ø D1	Dia. Range		L1		L2		H		D2		B		S	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
7	5.5-7	0.22-0.28	44	1.73	28	1.10	5	0.20	5.5		16		1.5	
9	7-9	0.28-0.35	48	1.89	32	1.26	6	0.24						
13	9.5-13	0.37-0.51	52	2.05	36	1.42	9	0.35						
15,5	13-15.5	0.51-0.61	56	2.20	40	1.57	12	0.47						
19	15.5-19	0.61-0.75	60	2.36	44	1.73	15	0.59	0.22		0.63		0.06	
23	20-23	0.79-0.91	76	2.99	56	2.20	19	0.75	6.6		20		2	
26	23-26	0.91-1.02	78	3.07	58	2.28	22	0.87						
28,5	26-28.5	1.02-1.12	84		64		24	0.94						
31	28.5-31	1.12-1.22		3.31		2.52	27	1.06						
33*	31-33	1.22-1.30	92	3.62	72	2.83	29	1.14	0.26		0.79		0.08	
36	33-36	1.30-1.42	104	4.09	80	3.15	32	1.26	9		25		3	
39	36-39	1.42-1.54	108	4.25	84	3.31	34	1.34						
43	39-43	1.54-1.69	112	4.41	88	3.46	38	1.50						
46	43-46	1.69-1.81	114	4.49	90	3.54	41	1.61	0.35		0.98			
49	46-49	1.81-1.93	118	4.65	94	3.70	44	1.73	11		30			
52*	49-52	1.93-2.05	134	5.28	106	4.17	47	1.85						
58	53-58	2.09-2.28	138	5.43	110	4.33	52	2.05	0.43		1.18		0.12	
61	58-61	2.28-2.40												

* similar to DIN 1597

ORDER CODE

DIN 1597 - ***

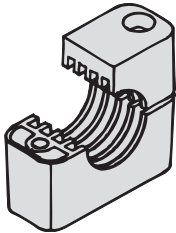
→ STAUFF
Group Ø D1

MATERIAL AND SURFACE FINISHING

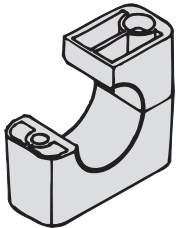
STAUFF Group 7 – 61 **W3** carbon steel St37,
zinc plated (Fe/Zn 8 C)

Other materials, surface finishings and diameters upon request.

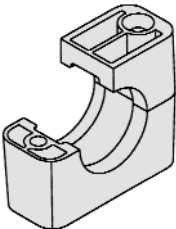
STANDARD-SERIES



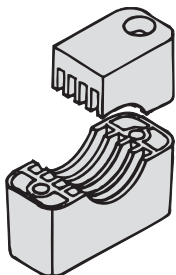
Standard design
– profiled inside –



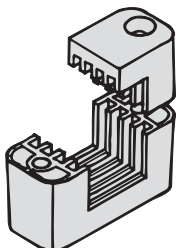
H-design
– smooth inside –
(recommended for hoses)



RI-design
for rubber inserts

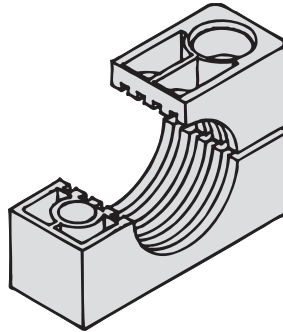


Oval-design
(for electric cables)

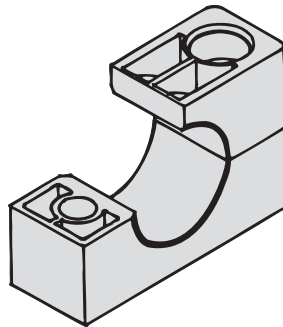


Rectangular-design
(for square sensors)

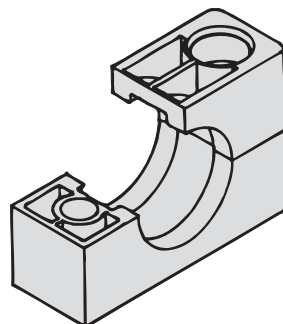
HEAVY-SERIES



Standard design
– profiled inside –

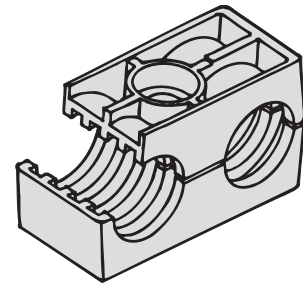


H-design
– smooth inside –
(recommended for hoses)

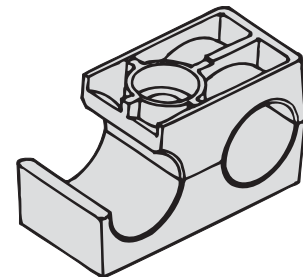


RI-design
(for rubber inserts)

TWIN-SERIES



Standard design
– profiled inside –



H-design
– smooth inside –
(recommended for hoses)

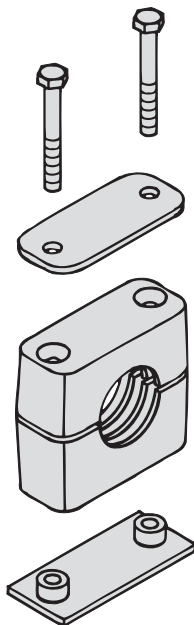
INSTALLATION ON WELD PLATES

STAUFF weld plates are available for the following Series:

- Standard-Series
- Heavy-Series
- Twin-Series
- Special Clamps

For best alignment of STAUFF clamps it is recommended to mark their location first. Weld plates into position, push on bottom half of clamp, install pipe, mount top half of clamp and cover plate and bolt unit together.

In order to avoid damage to the clamp bodies it is recommended to mount the plastic clamp bodies after having welded the weld plates into position.



INSTALLATION ON MOUNTING RAILS

STAUFF mounting rails can be used with the following Series:

- Standard-Series
- Heavy-Series (Group 3S – 6S)
- Twin-Series
- Special Clamps

STAUFF mounting rails are available in four different height sizes.

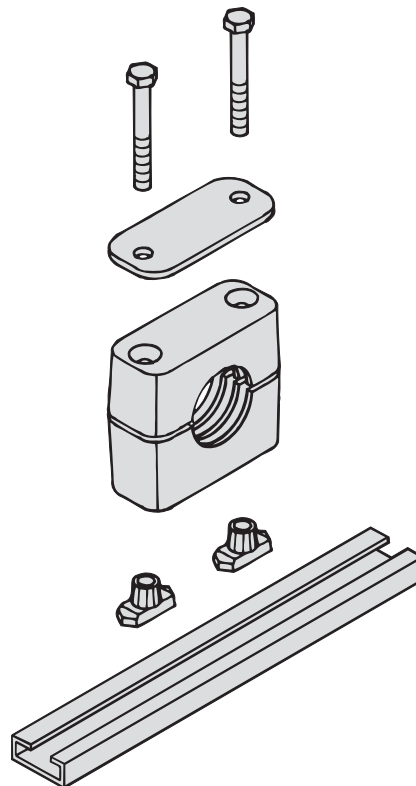
The rails are either welded or bolted to the supporting structure.

For Standard- and Twin-Series insert hexagon rail nut and turn to lock.

For Heavy-Series slide in rail nut.

Push on bottom half of clamp, install pipe, mount top half of clamp, cover plate and bolt unit together.

Clamp units can be adjusted before being firmly bolted.



MULTI-LEVEL ASSEMBLY

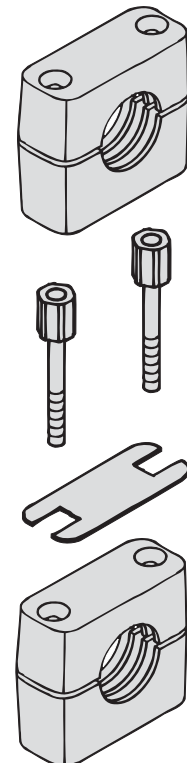
STAUFF multi-level pipe clamps permit easy stacking of several tubes or pipes of the same group.





(Twin-Clamps group 2 – 5 allow stacking of different group sizes.)

The clamps are connected by stacking bolts (AF).

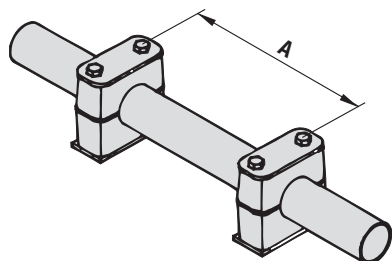
Safety plates (SIG/SIP/SI) inserted between the clamps prevent stacking bolts from turning.

STAUFF stacking assembly can be fitted to weld plates or to rails.



CLAMP BODIES				
MATERIAL	PP	PA	AL	SA
Other materials (according to DIN 5510, UL 94, NF F 16/101 for example) are available on request.	POLYPROPYLENE Copolymeric	POLYAMIDE *1	ALUMINIUM AlSi12	THERMOPLASTIC ELASTOMER
COLOR	 GREEN	 BLACK	 NATURAL	 BLACK
MECHANICAL PROPERTIES				
Tensile E-Module	1073 N/mm ² (ISO 527)	> 1400 N/mm ² (ISO 527)	> 65000 N/mm ²	0,96 g/cm ²
Notch Impact Strength	7,5 kJ/mm ² at 23°C (nach Charpy / ISO 179/1eA)	> 15 kJ/m ² at 23°C (acc. to Charpy / ISO 179/1eA)	---	---
Low Temperature Notch Impact Strength	3,1 kJ/mm ² at -30°C (nach Charpy / ISO 179/1eA)	> 3 kJ/m ² at -30°C (acc. to Charpy / ISO 179/1eA)	---	---
Tensile Strength at Yield (Tensile Strength)	25 N/mm ² (ISO 527)	> 55 N/mm ² (ISO 527)	> 150 N/mm ² (DIN EN 10002)	7,1 N/mm ² (ISO 37)
Ball Indentation Hardness (Brinell Hardness)	45,4 N/mm ² (ISO 2039-1)	> 65 N/mm ² (ISO 2039-1)	> 55 HBS	---
Shore Hardness	---	---	---	87A (ISO 868)
THERMAL PROPERTIES				
Max Temperature (Brief Exposure)	-20° to + 215°F -30° to + 102°C	-40° to + 356°F -40° to + 180°C	-40° to + 752°F *2 -40° to + 400°C	-40° to + 425°F -40° to + 210°C
Operating Temperature (Continuous Exposure)	-22° to + 194°F -30° to + 90°C	-40° to + 284°F -40° to + 140°C	-40° to + 500°F *2 -40° to + 260°C	-40° to + 248°F -40° to + 120°C
CHEMICAL PROPERTIES				
Weak Acids, Solvents	conditionally consistent	conditionally consistent	conditionally consistent	consistent
Benzine, Mineral Oils	conditionally consistent	consistent	consistent	conditionally consistent
Alcohol, Other Oils, Seawater	consistent	consistent	consistent	consistent
NOTES <p>*1 The stated information has been defined for conditions according to ISO 1110.</p> <p>*2 Tensile strengths, fatigue strength (under reversed bending stress) and impact bending toughness rise constantly at decreasing temperature level, the breaking elongation normally decreases at a decreasing temperature level.</p> <p>The above stated information is shown without any obligation and does not release you from own test arrangements. Tightening Torques and Maximum Loads need to be considered (see page C54).</p>				
METAL PARTS				
<p>Unless otherwise stated, all metal parts are made of carbon steel St37, surface finishing according to order code.</p> <p>Surface Finishings In addition to the standard surface finishings stated several alternative finishings are also available on request.</p> <p>Stainless Steel Metal Parts All metal parts are also available ex stock in two different stainless steel qualities: Stainless Steel (W4) A2 - 1.4301/1.4305 (AISI 304) Stainless Steel (W5) A4 - 1.4401/1.4571 (AISI 316/316Ti)</p> <p>Threads All threaded parts are available with UNC and metric threads (see thread-chart on page C53).</p>				

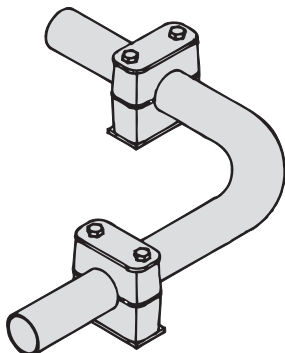
RECOMMENDED DISTANCE BETWEEN CLAMPS



The recommended distances between clamps stated below are standard values and are valid for static loads.

Pipe-O.D.		Distance A	
[mm]	[inch]	[m]	[ft]
6.0 — 12.7	.23" - .50"	1.0	3.3
12.7 — 22.0	.50" - .86"	1.2	4.0
22.0 — 32.0	.86" - 1.25"	1.5	5.0
32.0 — 38.0	1.25" - 1.50"	2.0	6.5
38.0 — 57.0	1.5" - 2.25"	2.7	8.8
57.0 — 75.0	2.25" - 2.95"	3.0	9.8
75.0 — 76.1	2.95" - 3.0"	3.5	11.5
76.1 — 88.9	3.0" - 3.50"	3.7	12.0
88.9 — 102.0	3.50" - 4.0"	4.0	13.0
102.0 — 114.0	4.0" - 4.50"	4.5	14.7
114.0 — 168.0	4.50" - 6.6"	5.0	16.5
168.0 — 219.0	6.6" - 8.6"	6.0	19.6
219.0 — 324.0	8.6" - 12.7"	6.7	22.0
324.0 — 356.0	12.7" - 14.00"	7.0	23.0
356.0 — 406.0	14.00" - 16.00"	7.5	24.6
406.0 — 419.0	16.00" - 16.50"	8.2	26.9
419.0 — 508.0	16.50" - 20.00"	8.5	27.9
508.0 — 521.0	20.00" - 20.50"	9.0	29.5
521.0 — 558.0	20.50" - 22.00"	10.0	32.8
558.0 — 800.0	22.00" - 31.50"	12.5	41.0

BASIC MOUNTING INSTRUCTIONS



Pipe bends should be supported by STAUFF clamps as near to the bends as possible.

Furthermore, it is recommended to design these clamps as fixed point clamps.

The first clamp should be placed directly behind the threaded connection or coupling. This protects the threaded connection or coupling from vibrations.

If valves are incorporated in the pipelines, it is recommended that support is provided in front of and behind these valves

THREAD CHART

Metric vs. UNC Thread

STANDARD-SERIES

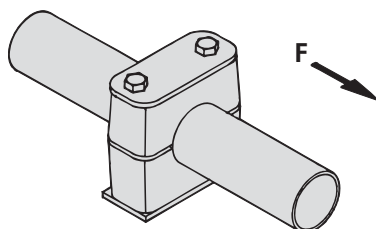
STAUFF Group	Metric Thread	UNC Thread
1	M 6	1/4 - 20 UNC
1 A		
2		
3		
4		
5		
6		
7		
8		

HEAVY-SERIES

STAUFF Group	Metric Thread	UNC Thread
3 S	M 10	3/8 - 16 UNC
4 S		
5 S		
6 S	M 12	7/16 - 14 UNC
7 S	M 16	5/8 - 11 UNC
8 S	M 20	3/4 - 10 UNC
9 S	M 24	7/8 - 9 UNC
10 S	M 30	1 1/8 - 7 UNC
11 S	M 30	1 1/4 - 7 UNC
12 S		

TWIN-SERIES

STAUFF Group	Metric Thread	UNC Thread
1 D	M 6	1/4 - 20 UNC
2 D	M 8	5/16 - 18 UNC
3 D		
4 D		
5 D		



All tightening torques and maximum loads in pipe direction refer to clamps with cover plates and hexagon head bolts acc. to DIN EN ISO 4014/4017 (DIN 931/933).

The max. load in pipe direction (according to DIN 3015, part 10) is an average value, determined by three tests at 23° C with a steel pipe according to DIN 2448, St 37 – rolled surface – taking static friction into consideration.

Sliding starts when the shown values (**F**) are reached.

STANDARD-SERIES (according to DIN 3015, part 1)

STAUFF Group	Hexagon Head Bolt	Polypropylene				Polyamide				Aluminum			
		Tightening torque		Max. load in pipe direction F		Tightening torque		Max. load in pipe direction F		Tightening torque		Max. load in pipe direction F	
		[Nm]	Ft/lb	[kN]	lbf	[Nm]	Ft/lb	[kN]	lbf	[Nm]	Ft/lb	[kN]	lbf
1	M6 / 1/4" - 20 UNC	8	6	0,6	135	10	7	0,6	135	12	9	3,5	787
1A		8	6	1,1	247	10	7	0,7	157	12	9	4,2	944
2		8	6	1,3	292	10	7	0,8	180	12	9	4,3	967
3		8	6	1,4	315	10	7	1,6	360	12	9	4,9	1.101
4		8	6	1,5	337	10	7	1,7	382	12	9	5,0	1.124
5		8	6	1,9	427	10	7	2,0	450	12	9	7,3	1.641
6		8	6	2,0	450	10	7	2,5	562	12	9	8,9	2.000
7		8	6	2,3	517	10	7	3,2	719	N/A	N/A	N/A	N/A
8		8	6	2,6	585	10	7	3,5	787	N/A	N/A	N/A	N/A

HEAVY-SERIES (according to DIN 3015, part 2)

STAUFF Group	Hexagon Head Bolt	Polypropylene				Polyamide				Aluminum			
		Tightening torque		Max. load in pipe direction F		Tightening torque		Max. load in pipe direction F		Tightening torque		Max. load in pipe direction F	
		[Nm]	Ft/lb	[kN]	lbf	[Nm]	Ft/lb	[kN]	lbf	[Nm]	Ft/lb	[kN]	lbf
3S	M10 / 3/8" - 16 UNC	12	9	1,6	360	20	15	4,2	944	30	22	12,1	2.720
4S		12	9	2,9	652	20	15	4,5	1.044	30	22	15,1	3.395
5S		15	11	3,3	742	25	18	5,1	1.146	35	26	15,5	3.485
6S	M12 / 7/16" - 14 UNC	30	22	8,2	1.843	40	30	9,3	2.090	55	41	29,5	6.609
7S	M16 / 5/8" - 11 UNC	45	33	11,0	2.472	55	41	25,8	5.800	120	86	34,9	7.845
8S	M20 / 3/4" - 10 UNC	80	59	14,0	3.147	150	111	21,0	4.720	220	162	70,6	15.871
9S	M24 / 7/8" - 9 UNC	110	81	28,0	6.300	200	148	32,0	7.193	250	184	50,0	11.240
10S	M30 / 1 1/8" - 7 UNC	133	132	40,0	8.992	350	258	48,0	10.790	500	369	84,5	18.996
11S	M30 / 1 1/4" - 7 UNC	148	147	119,0	26.752	370	273	125,0	27.650	500	369	181,5	40.802
12S		199	200	168,0	37.767	450	332	180,0	40.465	600	443	244,5	54.965

TWIN-SERIES (according to DIN 3015, part 3)

STAUFF Group	Hexagon Head Bolt	Polypropylene				Polyamide			
		Tightening torque		Max. load in pipe direction F		Tightening torque		Max. load in pipe direction F	
		[Nm]	Ft/lb	[kN]	lbf	[Nm]	Ft/lb	[kN]	lbf
1D	M6 / 1/4" - 20 UNC	5	4	0,9	202	5	4	0,9	202
2D	M8 / 5/16" - 8 UNC	12	9	2,1	472	12	9	2,2	495
3D		12	9	1,9	427	12	9	2,0	450
4D		12	9	2,7	607	12	9	2,9	652
5D		8	6	1,7	382	8	6	2,5	562



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