

Customer Value through Innovation



NormaClamp®

GBS T-Bolt Clamps



GBS T-Bolt Clamps

NormaClamp® GBS is designed primarily for use in applications where hose clamps must meet stringent requirements. In particular if suction and pressure hoses - complete with plastic or steel inserts and high shore hardness values - are to be connected and attached. They are therefore particularly suitable for use on commercial and special vehicles.

The standout feature of the GBS clamp is the exceptionally high levels of band tensile force they demonstrate. These clamps are also extremely easy to install, whether you're using manual, pneumatic or electrical standard tools.



Features	
1. Bolt	Specially designed bolt with integrated spacer and improved performance.
2. Reinforced Band Loops	Ability to withstand much higher torques.
3. Mechanically Locked Closure	No welding spots and no contact corrosion.
4. Bridge	Hose protection.
5. Robust Band with Rounded Edges	Prevents injuries and damage to hoses.
6. Hollow Trunnions	Reduces the tensile forces on the bolt and mechanical lock.

Advantages at a glance

- Failure torques improved by a factor of two.
- Band tensile force levels improved by a factor of three.

Applications

- Machine building.
- Chemical industry.
- Irrigation systems.
- Ship manufacturing.
- Railway industry.
- Agricultural machines.
- Building machines.
- Engine manufacturing.
- Pump and filter.
- Mining Industry.

Materials

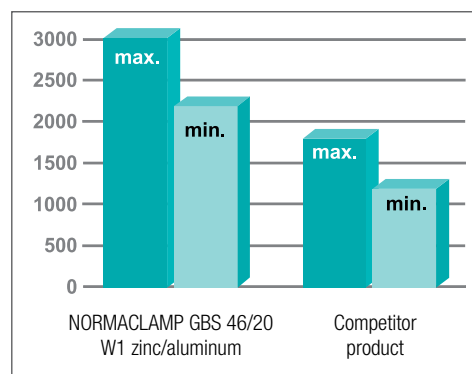
W1	W2	W4
x	x	x

MATERIAL	CORROSION RESISTANCE IN SALT SPRAY TESTING
W1	Min. 72 h
W2	Min. 72 h
W4	Min. 240 h

BAND WIDTH	MATERIAL THICKNESS IN MM				
	W1	W2	W4	M	SW
18	0.8	0.6	0.6	6	8
20	1.0	0.8	0.8	7	10
25	1.0	1.0	1.0	8	13
30	1.3	1.0	1.0	10	17

Band Tensile Force

The results of numerous series of tests have underlined the technical superiority of NormaClamp® GBS products over their competitors:



Range

GBS - Packs

W1 | All parts made entirely from Galvanised Steel



PART NUMBER	ITEM NUMBER	CLAMPING RANGE	BAND WIDTH	PACK QTY
GBS18/18W1P	05919181018	17-19MM Ø	18.0MM	10
GBS20/18W1P	05919181020	19-21MM Ø		
GBS22/18W1P	05919181022	21-23MM Ø		
GBS24/18W1P	05919181024	23-25MM Ø		
GBS26/18W1P	05919181026	25-27MM Ø		
GBS28/18W1P	05919181028	27-29MM Ø		
GBS30/18W1P	05919181030	29-31MM Ø		
GBS33/18W1P	05919181033	31-34MM Ø		
GBS36/18W1P	05919181036	34-37MM Ø		
GBS39/18W1P	05919181039	37-40MM Ø		
GBS42/18W1P	05919181042	40-43MM Ø		
GBS45/20W1P	05919201045	43-47MM Ø	20.0MM	10
GBS49/20W1P	05919201049	47-51MM Ø		
GBS53/20W1P	05919201053	51-55MM Ø		
GBS57/20W1P	05919201057	55-59MM Ø		
GBS61/20W1P	05919201061	59-63MM Ø		
GBS66/20W1P	05919201066	63-68MM Ø		
GBS71/25W1P	05919251071	68-73MM Ø	25.0MM	10
GBS76/25W1P	05919251076	73-79MM Ø		
GBS82/25W1P	05919251082	79-85MM Ø		
GBS88/25W1P	05919251088	85-91MM Ø		
GBS94/25W1P	05919251094	91-97MM Ø		
GBS101/25W1P	05919251101	97-104MM Ø		
GBS108/25W1P	05919251108	104-112MM Ø		
GBS117/25W1P	05919251117	112-121MM Ø		
GBS126/25W1P	05919251126	121-130MM Ø		
GBS135/30W1P	05915000135	130-140MM Ø	30.0MM	5
GBS145/30W1P	05915000145	140-150MM Ø		
GBS156/30W1P	05915000156	150-162MM Ø		
GBS168/30W1P	05915000168	162-174MM Ø		
GBS181/30W1P	05915000181	174-187MM Ø		
GBS194/30W1P	05915000194	187-200MM Ø		
GBS207/30W1P	05915000207	200-213MM Ø		
GBS220/30W1P	05915000220	213-226MM Ø		
GBS233/30W1P	05915000233	226-239MM Ø		
GBS246/30W1P	05915000246	239-252MM Ø		

GBS - Packs

W2 | Band & housing: 430 Stainless Steel
Bolt: Galvanised Steel



PART NUMBER	ITEM NUMBER	CLAMPING RANGE	BAND WIDTH	PACK QTY
GBS18/18W2P	05919182018	17-19MM Ø	18.0MM	10
GBS20/18W2P	05919182020	19-21MM Ø		
GBS22/18W2P	05919182022	21-23MM Ø		
GBS24/18W2P	05919182024	23-25MM Ø		
GBS26/18W2P	05919182026	25-27MM Ø		
GBS28/18W2P	05919182028	27-29MM Ø		
GBS30/18W2P	05919182030	29-31MM Ø		
GBS33/18W2P	05919182033	31-34MM Ø		
GBS36/18W2P	05919182036	34-37MM Ø		
GBS39/18W2P	05919182039	37-40MM Ø		
GBS42/18W2P	05919182042	40-43MM Ø		
GBS45/20W2P	05919202045	43-47MM Ø	20.0MM	10
GBS49/20W2P	05919202049	47-51MM Ø		
GBS53/20W2P	05919202053	51-55MM Ø		
GBS57/20W2P	05919202057	55-59MM Ø		
GBS61/20W2P	05919202061	59-63MM Ø		
GBS66/20W2P	05919202066	63-68MM Ø		
GBS71/25W2P	05919252071	68-73MM Ø	25.0MM	10
GBS76/25W2P	05919252076	73-79MM Ø		
GBS82/25W2P	05919252082	79-85MM Ø		
GBS88/25W2P	05919252088	85-91MM Ø		
GBS94/25W2P	05919252094	91-97MM Ø		
GBS101/25W2P	05919252101	97-104MM Ø		
GBS108/25W2P	05919252108	104-112MM Ø		
GBS117/25W2P	05919252117	112-121MM Ø		
GBS126/25W2P	05919252126	121-130MM Ø		
GBS135/30W2P	05915000135	130-140MM Ø	30.0MM	5
GBS145/30W2P	05915000145	140-150MM Ø		
GBS156/30W2P	05915000156	150-162MM Ø		
GBS168/30W2P	05915000168	162-174MM Ø		
GBS181/30W2P	05915000181	174-187MM Ø		
GBS194/30W2P	05915000194	187-200MM Ø		
GBS207/30W2P	05915000207	200-213MM Ø		
GBS220/30W2P	05915000220	213-226MM Ø		
GBS233/30W2P	05915000233	226-239MM Ø		
GBS246/30W2P	05915000246	239-252MM Ø		

GBS - Packs

W4 | All parts made entirely from 304 Stainless Steel



PART NUMBER	ITEM NUMBER	CLAMPING RANGE	BAND WIDTH	PACK QTY
GBS18/18W4P	05919184018	17-19MM Ø	18.0MM	10
GBS20/18W4P	05919184020	19-21MM Ø		
GBS22/18W4P	05919184022	21-23MM Ø		
GBS24/18W4P	05919184024	23-25MM Ø		
GBS26/18W4P	05919184026	25-27MM Ø		
GBS28/18W4P	05919184028	27-29MM Ø		
GBS30/18W4P	05919184030	29-31MM Ø		
GBS33/18W4P	05919184033	31-34MM Ø		
GBS36/18W4P	05919184036	34-37MM Ø		
GBS39/18W4P	05919184039	37-40MM Ø		
GBS42/18W4P	05919184042	40-43MM Ø		
GBS45/20W4P	05919204045	43-47MM Ø	20.0MM	10
GBS49/20W4P	05919204049	47-51MM Ø		
GBS53/20W4P	05919204053	51-55MM Ø		
GBS57/20W4P	05919204057	55-59MM Ø		
GBS61/20W4P	05919204061	59-63MM Ø		
GBS66/20W4P	05919204066	63-68MM Ø		
GBS71/25W4P	05919254071	68-73MM Ø	25.0MM	10
GBS76/25W4P	05919254076	73-79MM Ø		
GBS82/25W4P	05919254082	79-85MM Ø		
GBS88/25W4P	05919254088	85-91MM Ø		
GBS94/25W4P	05919254094	91-97MM Ø		
GBS101/25W4P	05919254101	97-104MM Ø		
GBS108/25W4P	05919254108	104-112MM Ø		
GBS117/25W4P	05919254117	112-121MM Ø		
GBS126/25W4P	05919254126	121-130MM Ø		
GBS135/30W4P	05915002135	130-140MM Ø	30.0MM	5
GBS145/30W4P	05915002145	140-150MM Ø		
GBS156/30W4P	05915003156	150-162MM Ø		
GBS168/30W4P	05915002168	162-174MM Ø		
GBS181/30W4P	05915002181	174-187MM Ø		
GBS194/30W4P	05915003194	187-200MM Ø		
GBS207/30W4P	05915003207	200-213MM Ø		
GBS220/30W4P	05915002220	213-226MM Ø		
GBS233/30W4P	05915002233	226-239MM Ø		
GBS246/30W4P	05915002246	239-252MM Ø		
GBS259/30W4P	05915000259	252-265MM Ø		
GBS272/30W4P	05915000272	265-278MM Ø		
GBS285/30W4P	05915000285	278-291MM Ø		
GBS298/30W4P	05915000298	291-304MM Ø		
GBS311/30W4P	05915000311	304-317MM Ø		
GBS324/30W4P	05915000324	317-330MM Ø		

GBS - Trade Packs

W1 | All parts made entirely from Galvanised Steel



PART NUMBER	ITEM NUMBER	CLAMPING RANGE	BAND WIDTH	PACK QTY
GBS18/18W1	059171810181	17-19MM Ø	18.0MM	50
GBS20/18W1	059171810201	19-21MM Ø		
GBS22/18W1	059171810221	21-23MM Ø		
GBS24/18W1	059171810241	23-25MM Ø		
GBS26/18W1	05917181026	25-27MM Ø		
GBS28/18W1	05917181028	27-29MM Ø		
GBS30/18W1	05917181030	29-31MM Ø		
GBS33/18W1	05917181033	31-34MM Ø		
GBS36/18W1	05917181036	34-37MM Ø		
GBS39/18W1	05917181039	37-40MM Ø		
GBS42/18W1	05917181042	40-43MM Ø		
GBS45/20W1	05917201045	43-47MM Ø	20.0MM	50
GBS49/20W1	05917201049	47-51MM Ø		
GBS53/20W1	05917201053	51-55MM Ø		
GBS57/20W1	05917201057	55-59MM Ø		
GBS61/20W1	05917201061	59-63MM Ø		
GBS66/20W1	05917201066	63-68MM Ø		
GBS71/25W1	05917251071	68-73MM Ø	25.0MM	25
GBS76/25W1	05917251076	73-79MM Ø		
GBS82/25W1	05917251082	79-85MM Ø		
GBS88/25W1	05917251088	85-91MM Ø		
GBS94/25W1	05917251094	91-97MM Ø		
GBS101/25W1	05917251101	97-104MM Ø		
GBS108/25W1	05917251108	104-112MM Ø		
GBS117/25W1	05917251117	112-121MM Ø		
GBS126/25W1	05917251126	121-130MM Ø		
GBS135/30W1	05917301135	130-140MM Ø	30.0MM	10
GBS145/30W1	05917301145	140-150MM Ø		
GBS156/30W1	05917301156	150-162MM Ø		
GBS168/30W1	05917301168	162-174MM Ø		
GBS181/30W1	05917301181	174-187MM Ø		
GBS194/30W1	05917301194	187-200MM Ø		
GBS207/30W1	05917301207	200-213MM Ø		
GBS220/30W1	05917301220	213-226MM Ø		
GBS233/30W1	05917301233	226-239MM Ø		
GBS246/30W1	05917301246	239-252MM Ø		

GBS - Trade Packs

W2 | Band & housing: 430 Stainless Steel
Bolt: Galvanised Steel



PART NUMBER	ITEM NUMBER	CLAMPING RANGE	BAND WIDTH	PACK QTY
GBS18/18W2	059171820181	17-19MM Ø	18.0MM	50
GBS20/18W2	059171820201	19-21MM Ø		
GBS22/18W2	059171820221	21-23MM Ø		
GBS24/18W2	059171820241	23-25MM Ø		
GBS26/18W2	05917182026	25-27MM Ø		
GBS28/18W2	05917182028	27-29MM Ø		
GBS30/18W2	05917182030	29-31MM Ø		
GBS33/18W2	05917182033	31-34MM Ø		
GBS36/18W2	05917182036	34-37MM Ø		
GBS39/18W2	05917182039	37-40MM Ø		
GBS42/18W2	05917182042	40-43MM Ø		
GBS45/20W2	05917202045	43-47MM Ø	20.0MM	50
GBS49/20W2	05917202049	47-51MM Ø		
GBS53/20W2	05917202053	51-55MM Ø		
GBS57/20W2	05917202057	55-59MM Ø		
GBS61/20W2	05917202061	59-63MM Ø		
GBS66/20W2	05917202066	63-68MM Ø		
GBS71/25W2	05917252071	68-73MM Ø	25.0MM	25
GBS76/25W2	05917252076	73-79MM Ø		
GBS82/25W2	05917252082	79-85MM Ø		
GBS88/25W2	05917252088	85-91MM Ø		
GBS94/25W2	05917252094	91-97MM Ø		
GBS101/25W2	05917252101	97-104MM Ø		
GBS108/25W2	05917252108	104-112MM Ø		
GBS117/25W2	05917252117	112-121MM Ø		
GBS126/25W2	05917252126	121-130MM Ø		
GBS135/30W2	05917302135	130-140MM Ø	30.0MM	10
GBS145/30W2	05917302145	140-150MM Ø		
GBS156/30W2	05917302156	150-162MM Ø		
GBS168/30W2	05917302168	162-174MM Ø		
GBS181/30W2	05917302181	174-187MM Ø		
GBS194/30W2	05917302194	187-200MM Ø		
GBS207/30W2	05917302207	200-213MM Ø		
GBS220/30W2	05917302220	213-226MM Ø		
GBS233/30W2	05917302233	226-239MM Ø		
GBS246/30W2	05917302246	239-252MM Ø		

GBS - Trade Packs

W4 | All parts made entirely from 304 Stainless Steel



PART NUMBER	ITEM NUMBER	CLAMPING RANGE	BAND WIDTH	PACK QTY
GBS18/18W4	059171840181	17-19MM Ø	18.0MM	50
GBS20/18W4	059171840201	19-21MM Ø		
GBS22/18W4	059171840221	21-23MM Ø		
GBS24/18W4	059171840241	23-25MM Ø		
GBS26/18W4	05917184026	25-27MM Ø		
GBS28/18W4	05917184028	27-29MM Ø		
GBS30/18W4	05917184030	29-31MM Ø		
GBS33/18W4	05917184033	31-34MM Ø		
GBS36/18W4	05917184036	34-37MM Ø		
GBS39/18W4	05917184039	37-40MM Ø		
GBS42/18W4	05917184042	40-43MM Ø		
GBS45/20W4	05917204045	43-47MM Ø	20.0MM	50
GBS49/20W4	05917204049	47-51MM Ø		
GBS53/20W4	05917204053	51-55MM Ø		
GBS57/20W4	05917204057	55-59MM Ø		
GBS61/20W4	05917204061	59-63MM Ø		
GBS66/20W4	05917204066	63-68MM Ø		
GBS71/25W4	05917254071	68-73MM Ø	25.0MM	25
GBS76/25W4	05917254076	73-79MM Ø		
GBS82/25W4	05917254082	79-85MM Ø		
GBS88/25W4	05917254088	85-91MM Ø		
GBS94/25W4	05917254094	91-97MM Ø		
GBS101/25W4	05917254101	97-104MM Ø		
GBS108/25W4	05917254108	104-112MM Ø		
GBS117/25W4	05917254117	112-121MM Ø		
GBS126/25W4	05917254126	121-130MM Ø		
GBS135/30W4	05917304135	130-140MM Ø	30.0MM	10
GBS145/30W4	05917304145	140-150MM Ø		
GBS156/30W4	05917304156	150-162MM Ø		
GBS168/30W4	05917304168	162-174MM Ø		
GBS181/30W4	05917304181	174-187MM Ø		
GBS194/30W4	05917304194	187-200MM Ø		
GBS207/30W4	05917304207	200-213MM Ø		
GBS220/30W4	05917304220	213-226MM Ø		
GBS233/30W4	05917304233	226-239MM Ø		
GBS246/30W4	05917304246	239-252MM Ø		
GBS259/30W4	05917304259	252-265MM Ø		
GBS272/30W4	05917304272	265-278MM Ø		
GBS285/30W4	05917304285	278-291MM Ø		
GBS298/30W4	05917304298	291-304MM Ø		
GBS311/30W4	05917304311	304-317MM Ø		
GBS324/30W4	05917304324	317-330MM Ø		

Customer Value through Innovation



NORMA Pacific Australia

74 Bazalgette Crescent
Dandenong South VIC 3175

Tel: 1300 252 677
Fax: 03 9761 4030

www.normagroup.com.au
sales.au@normagroup.com.au