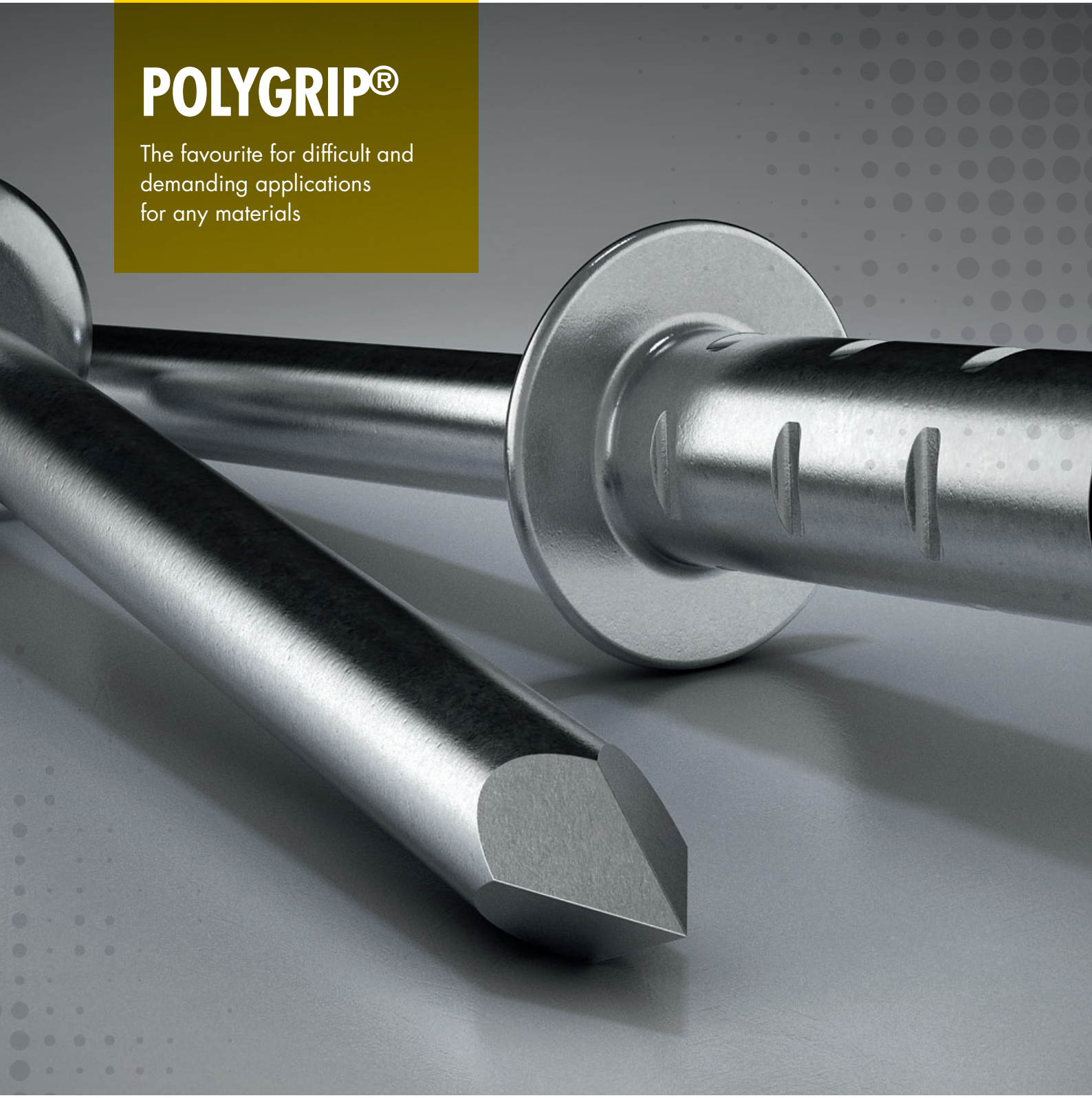
03/2023

POLYGRIP®

The favourite for difficult and demanding applications for any materials



A member of SFS

GESIPA®

POLYGRIP® RIVET

THE FLEXIBLE ONE WITH A LARGE CLAMPING RANGE

The GESIPA® PolyGrip® range of blind rivets, originally meant to be only a multigrip rivet has meanwhile shown other multiple talents. This makes it a favourite choice for difficult and demanding applications in industrial environment. Whether in aluminium, steel or stainless steel, outdoor or indoor, with hard or soft application materials, critical hole diameters and tolerances, when nothing seems to work properly, GESIPA® PolyGrip® will usually save the day.

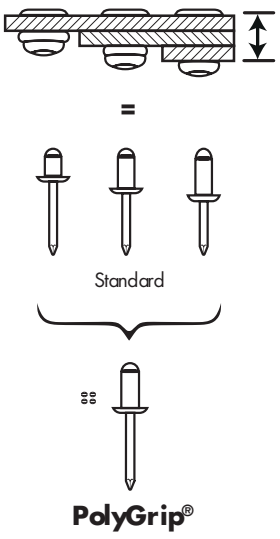
For the safe and reliable riveting of different material thicknesses!

MAIN FEATURES

- **Large grip range** (g)
  One single PolyGrip® blind rivet can replace up to five different sizes of standard DIN blind rivets

Your benefits:

› Type simplification
› Limited type variety for reduced stocks
› Lower risk of confusion therefore fewer mistakes in production

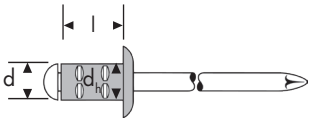


- **Splashproof**
  → Ideal for outdoor applications
- **A large closing head**
  → High linking forces
- **Outstanding hole filling capability**
  → Guaranteed tight connections
- **Safe rest mandrel locking**
  → Rattle free application
  → No residual thorn loss

Applications

- Attachments with varying clamping ranges
- Supplier/OEM with a broad product portfolio
- Handicraft (wood + metal)
- Industry

The best setting results are achieved with with the GESIPA® hand tools such as the **Flipper®,** the **AccuBird®** or the **AccuBird® Pro.** You can find information about our devices at **www. gesipa.com**



d = Rivet shaft Ø
l = Rivet shaft length
d_h = Hole Ø
g = Rivetable material thickness


Shear force


Traction

Alu/steel

Standard
(Dome head)


Aluminium alloy

Steel, zinc-plated

d	d x l (mm)	g (mm)	No.	
3.2 d_h: 3.3 mm	**3.2 x 8***	0.5 - 5.0	**143 3822**	B 1,000
	3.2 x 9.5	1.5 - 6.5	**143 3823**	"
	3.2 x 11*	3.0 - 8.0	**143 3824**	"
4.0 d_h: 4.1 mm	**4 x 10***	0.5 - 6.5	**143 3826**	B 500
	4 x 13	3.5 - 9.5	**143 3827**	"
	4 x 17*	7.0 - 13.0	**143 3828**	"
4.8 d_h: 4.9 mm CE	**4.8 x 10***	0.5 - 6.5	**143 3831**	B 500
	4.8 x 15	4.5 - 11.0	**143 3832**	"
	4.8 x 17*	6.5 - 13.0	**143 3833**	"
	4.8 x 25	11.0 - 19.5	**143 3838**	B 250
	4.8 x 30	16.0 - 24.0	**143 3839**	"
6.4 d_h: 6.5 mm	**6.4 x 15**	1.5 - 9.0	**143 3841**	B 250
	6.4 x 20	6.0 - 14.0	**143 3842**	"
	6.4 x 25	10.0 - 18.0	**143 3843**	"

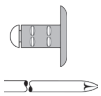
Countersunk (120°)


Aluminium alloy

Steel, zinc-plated

3.2 d_h: 3.3 mm	**3.2 x 6**	1.0 - 3.0	**145 0404**	B 1,000
	3.2 x 10	4.0 - 7.0	**145 0405**	"
4.0 d_h: 4.1 mm	**4 x 6**	1.5 - 3.5	**145 0406**	B 500
	4 x 12	3.5 - 8.5	**144 6470**	"
4.8 d_h: 4.9 mm	**4.8 x 10**	2.0 - 5.0	**145 0407**	B 500
	4.8 x 15	5.0 - 11.0	**144 6471**	"

Large flange

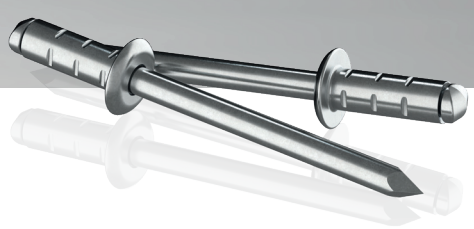

Aluminium alloy

Steel, zinc-plated

3.2 - K 9.5 d_h: 3.3 mm	**3.2 x 8**	0.5 - 5.0	**143 3825**	B 1,000
	3.2 x 9.5	1.5 - 6.5	**145 5675**	"
	3.2 x 11	3.0 - 8.0	**145 5676**	"
4.0 - K 12 d_h: 4.1 mm	**4 x 10**	0.5 - 6.5	**143 3829**	B 500
	4 x 13	3.5 - 9.5	**143 3830**	"
	4 x 17	7.0 - 13.0	**143 3837**	"
4.8 - K 16 d_h: 4.9 mm	**4.8 x 10***	0.5 - 6.5	**143 3834**	B 250
	4.8 x 15	4.5 - 11.0	**143 3835**	"
	4.8 x 17*	6.5 - 13.0	**143 3836**	"
CE	**4.8 x 25**	11.0 - 19.5	**143 3840**	B 100
	4.8 x 30	16.0 - 24.0	**145 5677**	"

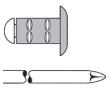
CE marking
In June 2013, the EU Construction Products Regulation No. 305/2011 came into force. The approved products are identified in our catalogue by the CE mark. You can find the corresponding approval documents in the download area at www.gesipa.com.

POLYGRIP®
THE MULTI TALENT



Alu/stainless

Standard
(Dome head)



Aluminium alloy
Stainless steel A2

d	d x l (mm)	g (mm)	No.	
3.2 d_h: 3.3 mm	**3.2 x 8***	0.5 - 5.0	**143 3883**	B 1,000
	3.2 x 9.5	1.5 - 6.5	**143 3884**	"
	3.2 x 11*	3.0 - 8.0	**143 3885**	"
4.0 CE d_h: 4.1 mm	**4 x 10***	0.5 - 6.5	**143 3887**	B 500
	4 x 13	3.5 - 9.5	**143 3888**	"
	4 x 17*	7.0 - 13.0	**143 3889**	"
4.8 d_h: 4.9 mm CE	**4.8 x 10***	0.5 - 6.5	**143 3892**	B 500
	4.8 x 15	4.5 - 11.0	**143 3893**	"
	4.8 x 17*	6.5 - 13.0	**143 3894**	"
	4.8 x 25	11.0 - 19.5	**143 3895**	B 250
	4.8 x 30	16.0 - 24.0	**143 3896**	"
6.4 d_h: 6.5 mm	**6.4 x 15**	1.5 - 9.0	**143 3902**	B 250
	6.4 x 20	6.0 - 14.0	**143 3903**	"
	6.4 x 25	10.0 - 18.0	**143 3904**	"

Large flange

Aluminium alloy
Stainless steel A2

3.2 - K 9.5 d_h: 3.3 mm	**3.2 x 8**	0.5 - 5.0	**145 6032**	B 1,000
	3.2 x 9.5	1.5 - 6.5	**143 3886**	"
4.0 - K 12 d_h: 4.1 mm CE	**4 x 10**	0.5 - 6.5	**143 3890**	B 500
	4 x 13	3.5 - 9.5	**143 3891**	"
	4 x 17	7.0 - 13.0	**145 6034**	"
4.8 - K 16 d_h: 4.9 mm CE	**4.8 x 10**	0.5 - 6.5	**143 3897**	B 250
	4.8 x 15	4.5 - 11.0	**143 3898**	"
	4.8 x 17	6.5 - 13.0	**143 3899**	"
	4.8 x 25	11.0 - 19.5	**143 3900**	B 100
	4.8 x 30	16.0 - 24.0	**143 3901**	"

Material surcharge will be added at a daily rate.

*Dimension also available in mini-packs!

SHEAR AND TENSILE STRENGTH ALU/STEEL, ALU/STAINLESS

d mm	N	(kp)	N	(kp)	d_m mm	d_k Standard mm	d_k large flange mm
3.2	**720**	(73)	**1,050**	(107)	1.8	6.5	9.5
4.0	**1,060**	(108)	**1,680**	(171)	2.3	8.0	12.0
4.8	**1,500**	(163)	**2,300**	(231)	2.7	9.5	16.0
6.4	**2,800**	(285)	**4,000**	(405)	3.65	13.0	-

Steel/steel

Standard
(Dome head)

Steel, zinc-plated

SSteel, zinc-plated

d	d x l (mm)	g (mm)	No.	
3.2 d_h: 3.3 mm	**3.2 x 8***	1.0 - 5.0	**143 3866**	B 1,000
	3.2 x 9.5	2.0 - 6.5	**143 3867**	"
	3.2 x 11*	3.0 - 8.0	**143 3868**	"
4.0 d_h: 4.1 mm	**4 x 10***	1.5 - 6.5	**143 3869**	B 500
	4 x 13*	4.5 - 9.0	**143 3870**	"
	4 x 17	8.5 - 13.0	**143 3871**	"
4.8 d_h: 4.9 mm	**4.8 x 10***	1.5 - 6.5	**143 3873**	B 500
	4.8 x 15*	6.0 - 11.0	**143 3874**	B 250
	4.8 x 17	8.5 - 13.0	**143 3875**	"
6.4 d_h: 6.5 mm	**6.4 x 15**	2.0 - 8.0	**143 3877**	B 250
	6.4 x 20	5.0 - 13.0	**143 3878**	"
	6.4 x 25	10.0 - 18.0	**143 3879**	B 200

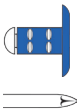
Counter sunk (120°)

Steel, zinc-plated

SSteel, zinc-plated

3.2 d_h: 3.3 mm	**3.2 x 6**	1.0 - 3.0	**145 0435**	B 1,000
	3.2 x 10	3.0 - 7.0	**145 0436**	"
4.0 d_h: 4.1 mm	**4 x 6**	1.5 - 3.5	**145 0437**	B 500
	4 x 12	3.5 - 8.5	**144 6482**	"
4.8 d_h: 4.9 mm	**4.8 x 10**	2.0 - 6.0	**144 6483**	B 500
	4.8 x 15	5.5 - 11.0	**144 6484**	"

Large flange



Steel, zinc-plated

SSteel, zinc-plated

3.2 - K 9.5 d_h: 3.3 mm	**3.2 x 8**	1.0 - 5.0	**145 5972**	B 1,000
	3.2 x 9.5	2.0 - 6.5	**145 5973**	"
	3.2 x 11	3.0 - 8.0	**145 5974**	"
4.0 - K 12 d_h: 4.1 mm	**4 x 10**	1.5 - 6.5	**143 3872**	B 500
	4 x 13	4.5 - 9.0	**145 5975**	"
	4 x 17	8.5 - 13.0	**145 5976**	"
4.8 - K 16 d_h: 4.9 mm	**4.8 x 10**	1.5 - 6.5	**143 3876**	B 250
	4.8 x 15	6.0 - 11.0	**145 5977**	"
	4.8 x 17	8.5 - 13.0	**145 5978**	"

SHEAR AND TENSILE STRENGTH STEEL/STEL

d mm	N (kp)	N (kp)	d_m mm	d_k Standard mm	d_k Großkopf mm
3.2	**1,200** (122)	**1,600** (163)	2.1	6.5	9.5
4.0	**1,650** (168)	**2,400** (245)	2.6	8.0	12.0
4.8	**2,400** (245)	**3,200** (326)	3.2	9.5	16.0
6.4	**4,000** (408)	**6,100** (621)	4.25	13.0	-

A2 stainless steel

Standard
(Dome head)


Stainless steel A2 – No. 1.4567

Stainless steel A2

EDELSTAHL® Rost frei

d	d x l (mm)	g (mm)	No.	
3.2 d_h: 3.3 mm	**3.2 x 8***	1.0 - 5.0	**143 3909**	B 1,000
	3.2 x 9.5	2.0 - 6.0	**145 6288**	"
	3.2 x 11*	3.0 - 8.0	**143 3910**	"
4.0 d_h: 4.1 mm	**4 x 10***	1.0 - 6.5	**143 3911**	B 500
	4 x 13	3.0 - 8.0	**143 3912**	"
	4 x 17*	7.0 - 11.0	**143 3913**	"
4.8 CE d_h: 4.9 mm	**4.8 x 10***	1.0 - 6.5	**143 3914**	B 500
	4.8 x 15*	5.0 - 10.0	**143 3915**	"
	4.8 x 17	8.0 - 12.0	**143 3916**	"
6.4 Loch-Ø: 6.5 mm	**6.4 x 13**	2.0 - 6.5	**143 3918**	B 250
	6.4 x 15	3.5 - 8.5	**143 3917**	"
	6.4 x 20	7.0 - 12.5	**143 3919**	B 200

Material surcharge will be added at a daily rate.

A4 stainless steel

Standard
Dome head


Stainless steel A4 – No. 1.4578

Stainless steel A4

EDELSTAHL® Rost frei

d	d x l (mm)	g (mm)	No.	
3.2 d_h: 3.3 mm	**3.2 x 11**	3.0 - 8.0	**143 3921**	B 1,000
4.0 d_h: 4.1 mm	**4 x 10**	1.0 - 6.5	**143 3922**	B 500
4.8 d_h: 4.9 mm	**4.8 x 10**	1.0 - 6.5	**143 3923**	"
	4.8 x 15	5.0 - 10.0	**143 3924**	"

Material surcharge will be added at a daily rate.

SHEAR AND TENSILE STRENGTH STAINLESS STEEL A2 / STAINLESS STEEL A4

d mm	N ↔ (kp)		N ↕ (kp)		d_m mm	d_k Standard mm
STAINLESS STEEL A2						
3.2	**1,450**	(148)	**2,300**	(235)	2.2	6.5
4.0	**2,650**	(271)	**3,600**	(367)	2.7	8.0
4.8	**4,000**	(408)	**5,000**	(510)	3.2	9.5
6.4	**7,800**	(795)	**8,800**	(897)	4.25	13.0
STAINLESS STEEL A4						
3.2	**1,450**	(148)	**2,300**	(235)	2.2	6.5
4.0	**2,650**	(271)	**3,600**	(367)	2.7	8.0
4.8	**4,000**	(408)	**5,000**	(510)	3.2	9.5

Test procedure according to DIN EN ISO 14589

Coloured PolyGrip®

 Aluminium alloy

 Stainless steel A2

x = No longer in stock

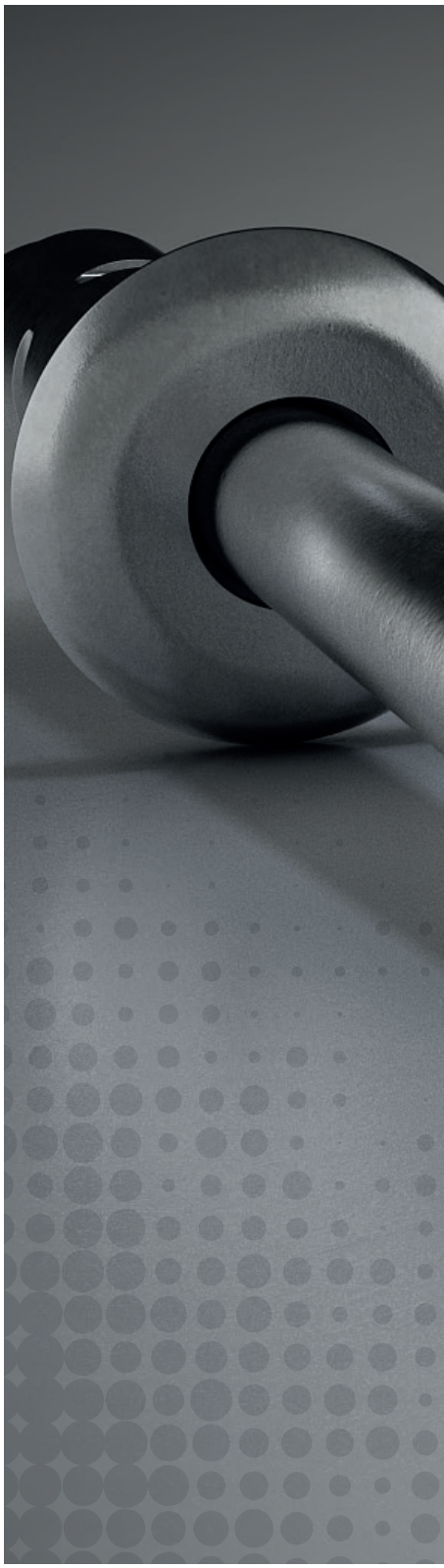
	d x l (mm)	g (mm)	RAL 1015 Light ivory No.	RAL 3000 Flame red No.	RAL 5010 Gentian blue No.	RAL 7011 Iron grey No.	RAL 7016 Anthracit grey No.	
3.2 d_h: 3.3 mm	**3.2 x 8**	0.5 - 5.0	x	x	x	x	145 0448	B 1000
	3.2 x 9.5	1.5 - 6.5	x	x	x	x	145 0449	B 1000
	3.2 x 11	3.0 - 8.0	x	x	x	x	144 6510	B 1000
4 CE d_h: 4.1 mm	**4 x 10**	0.5 - 6.5	145 6036	145 6049	145 6057	145 6066	145 6159	B 500
	4 x 13	3.5 - 9.5	145 6037	145 6050	144 6496	145 6067	144 6511	B 500
	4 x 17	7.0 - 13.0	x	x	x	x	145 6160	B 500
4.8 d_h: 4.9 mm CE	**4.8 x 10**	0.5 - 6.5	145 6039	145 6051	145 6059	145 6068	145 0450	B 500
	4.8 x 15	4.5 - 11.0	145 6040	145 6052	145 6060	145 6069	145 6161	B 500
	4.8 x 17	6.5 - 13.0	144 6487	145 6053	145 6061	145 0447	145 6162	B 500
	4.8 x 25	11.0 - 19.5	145 6041	145 6054	145 6062	145 6070	144 6512	B 250

	d x l (mm)	g (mm)	RAL 7022 Umbra grey No.	RAL 7024 Graphite grey No.	RAL 8014 Sepia brown No.	RAL 9002 Grey white No.	RAL 9003 Signal white No.	
3.2 d_h: 3.3 mm	**3.2 x 8**	0.5 - 5.0	x	x	145 6088	145 6096	145 6106	B 1000
	3.2 x 9.5	1.5 - 6.5	x	x	145 6089	x	144 6503	B 1000
	3.2 x 11	3.0 - 8.0	x	x	144 6501	x	145 6107	B 1000
4 CE d_h: 4.1 mm	**4 x 10**	0.5 - 6.5	145 6074	145 6082	145 6090	145 6099	145 6108	B 500
	4 x 13	3.5 - 9.5	145 6075	145 6083	145 6091	145 6100	145 6109	B 500
	4 x 17	7.0 - 13.0	x	x	145 6092	145 6101	145 6110	B 500
4.8 d_h: 4.9 mm CE	**4.8 x 10**	0.5 - 6.5	x	145 6085	145 6093	145 6102	145 6111	B 500

	d x l (mm)	g (mm)	RAL 9005 Jet black No.	RAL 9006 White aluminium No.	RAL 9007 Grey aluminium No.	RAL 9010 Pure white No.	RAL 9011 Graphite black No.	
3.2 d_h: 3.3 mm	**3.2 x 8**	0.5 - 5.0	145 6114	x	145 6131	145 6140	145 6150	B 1000
	3.2 x 9.5	1.5 - 6.5	145 6115	x	145 6132	145 6141	145 6151	B 1000
	3.2 x 11	3.0 - 8.0	145 6116	144 6505	145 6133	145 6142	145 6152	B 1000
4 CE d_h: 4.1 mm	**4 x 10**	0.5 - 6.5	145 6117	145 6126	145 6134	145 6143	145 6153	B 500
	4 x 13	3.5 - 9.5	145 6118	144 6506	145 6135	145 6144	145 6154	B 500
	4 x 17	7.0 - 13.0	145 6119	145 6127	144 6508	145 6145	145 6155	B 500
4.8 d_h: 4.9 mm CE	**4.8 x 10**	0.5 - 6.5	145 6120	145 6128	145 6136	145 6146	145 6156	B 500
	4.8 x 15	4.5 - 11.0	145 6121	145 6129	145 6137	145 6147	145 6157	B 500
	4.8 x 17	6.5 - 13.0	145 6122	145 6130	145 6138	145 6148	144 6509	B 500
	4.8 x 25	11.0 - 19.5	145 6123	x	145 6139	145 6149	x	B 250

The material surcharge will be added at a daily rate.

INNOVATION MEETS EXPERIENCE
GESIPA® is your development partner. Together we will find the best technical and most economical solution for your applications. Challenge us!



Your partner

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