...der key

	Size
] M-	05 - MS

	Metric	Thread size M ... [mm]

...ousing)
...nd thread
...hand thread

Ball stud[19]
Blank : Made of plastic
MS : Made of galvanised steel
ES : Made of stainless steel[28]

...aterial:
...using: igumid® G ▶ Page 1914
...herical cap: iglidur® W300 ▶ Page 175

...lax. axial ...nsile force ...using axis)		Max. axial tensile force steel stud (Housing axis)		Weight
...erm	Long-term	Short-term	Long-term	
	[N]	[N]	[N]	[g]
	50	600	300	2.6
	70	800	400	3.8
	100	1,500	750	8.0
	200	1,900	950	13.7

h3 ±0.5	a ±0.3	b ±0.5	e ±1.0	S1	S2	Max. pivot angle
24.9	22	28.4	11	SW8	SW7	25°
30.9	25	32.4	13	SW9	SW8	25°
39.15	30	39.7	16	SW12	SW11	25°
48.0	35	47.0	18	SW14	SW13	25°

Angled ball and socket joints (low-cost): WGRM-LC and WGLM-LC

- Housing with ball stud
- Lightweight
- Maintenance-free
- Ball studs made of plastic, galvanised steel and stainless steel[19] ▶ Accessories, **page 1011**

Online service life calculation
▶ www.igus.eu/igubal-expert

Order key

Type	Size	Version
WG ☐ M-	05	- LC - MS

Angled ball and socket joint	Thread (housing)	Metric	Thread size M ... [mm]	Low-cost

Options:
Thread (housing)
L : Left-hand thread
R : Right-hand thread

Ball stud[19]
Blank : Made of plastic
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ES : Made of stainless steel[28]

Material:
Housing: igumid® G ▶ Page 1914

Technical data

Part No.	Max. static tensile force (Ball stud axis)		Max. static compressive strength (Ball stud axis)		Max. axial tensile force (Housing axis)		Max. axial tensile force steel stud (Housing axis)		Weight
	Short-term	Long-term	Short-term	Long-term	Short-term	Long-term	Short-term	Long-term	
	[N]	[N]	[N]	[N]	[N]	[N]	[N]	[N]	[g]
WG☐M-04-LC-MS[20]	100	50	150	75	–	–	500	250	2.4
WG☐M-05-LC-MS	150	75	200	100	100	50	600	300	2.6
WG☐M-06-LC-MS	200	100	300	150	140	70	800	400	4.0
WG☐M-08-LC-MS	250	125	500	250	200	100	1,500	750	8.2
WG☐M-10-LC-MS	250	125	900	450	400	200	1,900	950	13.8

Dimensions [mm] - technical drawing ▶ Page 898

Part No.	d1 ±0.1	d2	d4 ±0.5	l1 ±0.2	l2 ±0.3	l5	l6 min.	h1 ±0.4	h2 ±0.5	h3 ±0.5	a ±0.3	b ±0.5	e ±1.0	S1	S2	Max. pivot angle
WG☐M-04-LC-MS[20]	6	M4	10.6	8.5	8.0	11.9	6.8	9.0	0.20	21.8	18	23.3	10.5	SW7	SW5	20°
WG☐M-05-LC-MS	8	M5	12.8	9.0	10.2	14.0	6.2	10.8	0.65	24.9	22	28.4	11.0	SW8	SW7	25°
WG☐M-06-LC-MS	10	M6	14.8	11.0	12.5	16.0	9.0	12.3	0.70	30.9	25	32.4	13.0	SW9	SW8	25°
WG☐M-08-LC-MS	13	M8	19.3	13.0	16.5	18.0	11.2	16.2	1.15	39.15	30	39.7	16.0	SW12	SW11	25°
WG☐M-10-LC-MS	16	M10	24.0	16.0	20.0	20.0	12.7	20.0	1.15	48.0	35	47.0	18.0	SW14	SW13	25°

[19] Ball stud with right-hand thread; left-hand thread upon request
[20] Only available with galvanised steel stud
[28] Stainless steel ball stud upon request

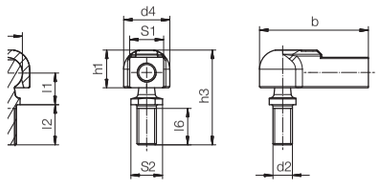
...der key

	Size	Version
] M-	05	-DE- MS

Metric | Thread size M ... [mm] | Disassembly

...ousing)
...nd thread
...and thread

Ball stud[19]
Blank : Made of plastic
MS : Made of galvanised steel
ES : Made of stainless steel[28]



...tatic ...e force[180] ...ong-term	Max. axial tensile force[180] Short-term	Long-term	Max. pivot angle	Weight
[N]	[N]	[N]		[g]
180	1,200	600	23°	3.4
230	1,400	700	25°	5.5
500	2,200	1,100	25°	8.4
700	3,800	1,900	25°	16.0

h1 ±0.4	h3 ±0.5	S1	S2	a ±0.3	b ±0.5	e ±1.0
10.8	25.6	SW9	SW7	25.0	31.4	11
13.0	32.0	SW11	SW8	30.0	38.0	13.5
15.75	39.0	SW14	SW11	35.3	44.8	16
19.0	47.25	SW17	SW13	42.0	53.5	18

In-line ball and socket joints: AGRM and AGLM

- For all mechanical combinations
- Easy to assemble
- Maintenance-free, predictable service life
- Resistant to corrosion and chemicals
- Vibration-dampening
- Ball studs made of plastic, galvanised steel and stainless steel[19] ▶ Accessories, **page 1011**

Material:
Housing: **igumid® G ▶ Page 1914**
Spherical cap: **iglidur® W300 ▶ Page 175**

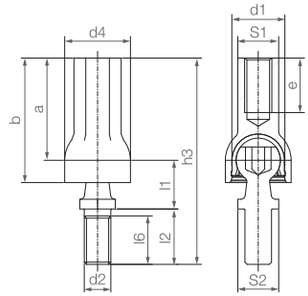
Order key

Type	Size
AG ☐ M-	08 - MS

In-line ball and socket joint | Thread (housing) | Metric | Thread size M ... [mm]

Options:
Thread (housing)
L : Left-hand thread
R : Right-hand thread

Ball stud[19]
Blank : Made of plastic
MS : Made of galvanised steel
ES : Made of stainless steel[28]



Technical data

Part No.	Max. static axial tensile force Short-term	Long-term	Max. static axial compressive strength Short-term	Long-term	Max. assembly force	Weight
	[N]	[N]	[N]	[N]	[N]	[g]
AG☐M-08-MS	250	125	1,000	500	110	7.8

Dimensions [mm]

Part No.	d1 ±0.1	d2	d4 ±0.5	l1 ±0.2	l2 ±0.3	l6 min.	h3 ±0.5	S1	S2	a ±0.3	b ±0.5	e min.	pivot angle Recom.	max.
AG☐M-08-MS	13.0	M8	19.3	13	16.5	11.2	59.5	SW12	SW11	30	36.5	16	18°	25°

[19] Ball stud with right-hand thread; left-hand thread upon request
[28] Stainless steel ball stud upon request

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der key

	Size	Version
M-	06	-LC- MS
Metric	Inner Ø [mm]	Low-cost

ousing)
nd thread
and thread

Ball stud[19]
Blank : Made of plastic
MS : Made of galvanised steel
ES : Made of stainless steel[28]

aterial:
using: igumid® G ▶ Page 1914

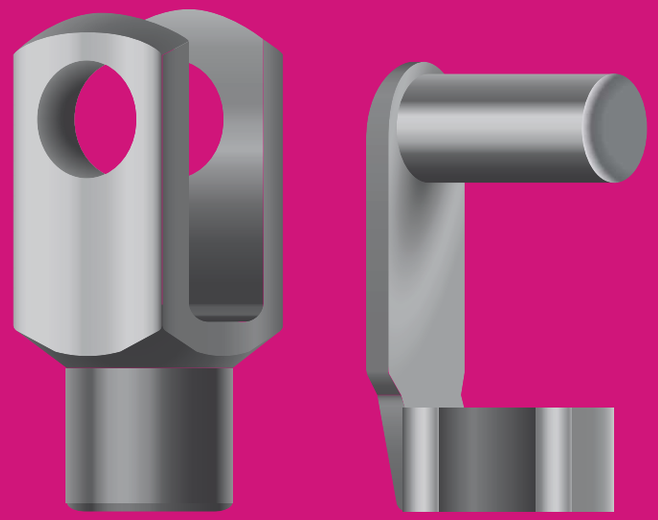
g with ball stud
ight
ance-free
ds made of plastic, galvanised steel and
s steel[19] ▶ Accessories, page 1011

Max. static compressive force (with plastic stud)		Max. assembly force	Weight
Short-term	Long-term		
[N]	[N]	[N]	[g]
–	–	280	3.3
800	400	320	10.8
1,400	700	430	23.1

S1	S2	a	b	e	Max. pivot angle	
		±0.3	±0.5	min.	Recom.	max.
SW7	SW5	20	23.0	10.25	18°	25°
SW9	SW8	25	29.9	13	18°	25°
SW12	SW11	30	35.0	16	18°	25°

EN 06/2023

EN 06/2023



igubal® clevis joints

- High tensile force
- Vibration-dampening
- Noise-dampening
- Can be combined with rod ends of the dimensional series E
- Lightweight