

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



- Housing with ball stud
- Lightweight
- Maintenance-free
- Ball studs made from plastic, galvanised steel and stainless steel<sup>19)</sup> ► Accessories, [page 777](#)

## Order key

Type	Size [mm]	Version
WG ... M -	05	LC
Angled ball and socket joint	Thread	Metric
	Inner Ø	Low-cost

### Options:

#### Thread

- L: left-hand thread
- R: right-hand thread

### Ball stud

- Blank: plastic stud
- MS: ball studs made from galvanised steel<sup>19)</sup>
- ES: ball studs made from stainless steel<sup>28)</sup>

Lifetime calculation online  
► [www.igus.eu/igubal-expert](http://www.igus.eu/igubal-expert)

Material:  
Housing: igumid G ► [Page 1496](#)

## Technical data

Part No.		Max. axial tensile force (Ball stud axis) <sup>19)</sup>		Max. axial compressive force (Ball stud axis)		Max. axial tensile force (Housing axis)		Max. axial tensile force (Housing axis)		Weight
Right-hand thread	Left-hand thread	Short-term	Long-term	Short-term	Long-term	Short-term	Long-term	Short-term	Long-term	[g]
		[N]	[N]	[N]	[N]	[N]	[N]	[N]	[N]	
WGRM-04 LC-MS <sup>20)</sup>	WGLM-04 LC-MS <sup>20)</sup>	100	50	150	75	–	–	500	250	2.4
WGRM-05 LC	WGLM-05 LC	30	15	200	100	100	50	600	300	2.6
WGRM-06 LC	WGLM-06 LC	35	17.5	300	150	140	70	800	400	4.0
WGRM-08 LC	WGLM-08 LC	250	125	500	250	200	100	1,500	750	8.2
WGRM-10 LC	WGLM-10 LC	250	125	900	450	400	200	1,900	950	13.8

## Dimensions [mm] – technical drawing ► [Page 694](#)

Part No.	d1	d2	d4	l1	l2	l5	l6	h1	h2	h3	a	b	e	S1	S2	Max. pivot angle	
Right-hand thread	+0.1		+0.5	+0.2	+0.3			+0.4	+0.5	+0.5	+0.3	+0.5	+1.0				
Left-hand thread	-0.1		-0.5	-0.2	-0.3		Min.	-0.4	-0.5	-0.5	-0.3	-0.5	-1.0				
WGRM-04 LC-MS <sup>20)</sup>	WGLM-04 LC-MS <sup>20)</sup>	6.0	M4	10.6	8.5	8.0	12.5	6.8	9.0	0.2	21.8	18.0	23.3	10.5	SW 7	SW 7	20°
WGRM-05 LC	WGLM-05 LC	8.0	M5	12.8	9.0	10.2	14.0	8.2	10.8	0.65	25.6	22.0	28.4	11.0	SW 8	SW 7	25°
WGRM-06 LC	WGLM-06 LC	10.0	M6	14.8	11.0	12.5	16.0	10.5	12.3	0.70	30.9	25.0	32.4	13.0	SW 9	SW 8	25°
WGRM-08 LC	WGLM-08 LC	13.0	M8	19.3	13.0	16.5	18.0	13.5	16.2	1.15	38.8	30.0	39.7	16.0	SW 12	SW 11	25°
WGRM-10 LC	WGLM-10 LC	16.0	M10	24.0	16.0	20.0	20.0	16.0	20.0	1.15	47.0	35.0	47.0	18.0	SW 14	SW 13	25°

<sup>19)</sup> Galvanised steel stud only available with right-hand thread. Order example: WGRM-05 LC MS

<sup>20)</sup> Only available with galvanised steel stud

<sup>28)</sup> Stainless steel ball stud upon request