GAS SPRING®
Gastac

Gas Springs and End Fittings



Introduction.

Ningbo Gastac Gas Spring Co., Ltd., a subsidiary of Ningbo Bestop Industrial Co., Ltd., specializes in designing and manufacturing a wide range of products including gas springs, hydraulic dampers, tension gas springs, and lockable gas springs. Gastac Gas Spring serves as the company’ s core brand for its gas spring lin e, with more than 20 years’ experience in exporting. Mai n markets including: Europe, America, Southeast Asia, S outh Korea, Australia, Russia, South Africa, South Americ a and so on.

Gastac is dedicated to providing security and high performance products with all types of gas spring, locking gas spring, hydraulic damper.

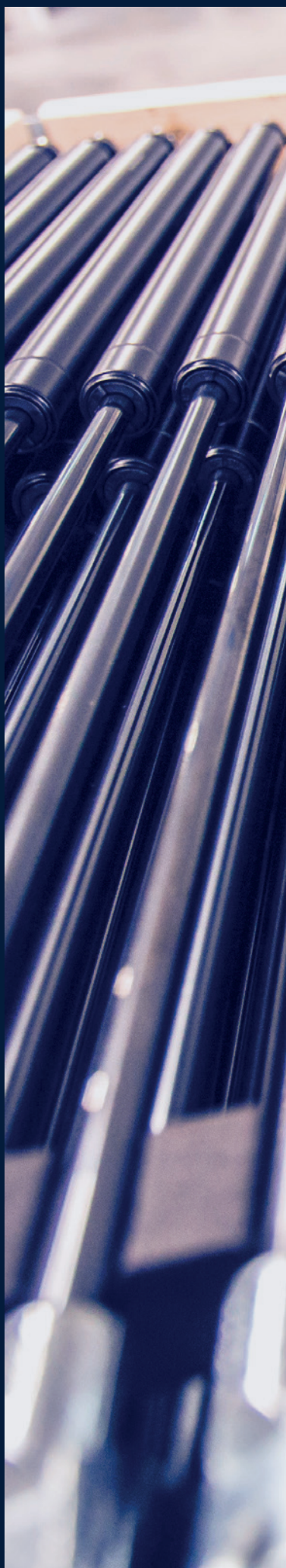
Gastac gas springs can applied to automobile, furniture, hospital bed, operating tables, massage tables, over bed tables, ship building, tractor cab, coaches, seat, forklifts, machine, Medical and Rehabilitation Technology.

Gastac had passed IATF16949 and ISO9001: 2015 in 2024.

With the guidance of the Gas Spring Standards Committee, Gastac continuously improves its technology and manufacturing capabilities to provide high-quality gas spring solutions.

We Strive For Global Diversity

GASTAC gas spring is committed to global diversity, delivering reliable strength and versatile designs that support industries worldwide with trust and innovation.



Compression Gas Springs | 4mm Rods

CUSTOM FORCES AND STANDARD SET FORCES

Carbon steel - Custom Forces			
GASTAC Code	Force Range N	Stroke Length (S) mm	Extended Length (L) mm
YQ4/12-20-72-xxN	10 - 140N	20	72
YQ4/12-30-92-xxN		30	92
YQ4/12-40-112-xxN		40	112
YQ4/12-50-132-xxN		50	132
YQ4/12-60-152-xxN		60	152
YQ4/12-70-172-xxN		70	172
YQ4/12-80-192-xxN		80	192
YQ4/12-100-232-xxN		100	232

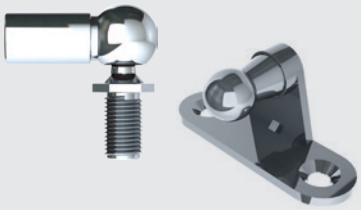
How to Order a Custom Force	
GASTAC Example Code	Example Force (xxxN)
YQ4/12-60-152-140N	140N



Range Overview	
Rod Diamater (ØR):	4mm
Body Diamater (ØC):	12mm
Threads (T):	M4x0.7x4mm
Force Range:	10 - 140N
Extension Speed:	~0.3m/s
Working Temp. Range:	-30°C to 80°C
Material:	Steel
Rod:	QPQ
Body Finish:	Powder Coating
Warranty:	2 years against manufacturing defects

Carbon Steel- Standard Set Forces			
GASTAC Code	Force N (F1)	Stroke Length (S) mm	Extended Length (L) mm
YQ4/12-20-72-xxN	10	20	72
	20		
	30		
	40		
	60		
	80		
	110		
	140		
YQ4/12-30-92-xxN	10	30	92
	20		
	30		
	40		
	60		
	80		
	110		
	140		
YQ4/12-40-112-xxN	10	40	112
	20		
	30		
	40		
	60		
	80		
	110		
	140		
YQ4/12-50-132-xxN	10	50	132
	20		
	30		
	40		
	60		
	80		
	110		
	140		
YQ4/12-60-152-xxN	10	60	152
	20		
	30		
	40		
	60		
	80		
	110		
	140		
YQ4/12-70-172-xxN	10	70	172
	20		
	30		
	40		
	60		
	80		
	110		
	140		
YQ4/12-80-192-xxN	10	80	192
	20		
	30		
	40		
	60		
	80		
	110		
	140		
YQ4/12-100-232-xxN	10	100	232
	20		
	30		
	40		
	60		
	80		
	110		

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End Fixings

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Protection

Safety Locking Tubes, Protection Tubes and Dust Covers - safety and durability of gas springs.

Additional Damping

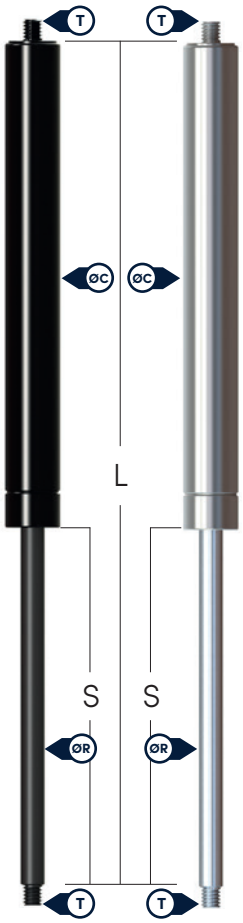
Proline Protection

Stainless Steel Available

Compression Gas Springs | 6mm Rods

CUSTOM FORCES

Carbon Steel - Custom Forces			
GASTAC Code	Force Range N	Stroke Length (S) mm	Extended Length (L) mm
YQ6/15-20-78-xxN	40 - 400N	20	78
YQ6/15-40-118-xxN		40	118
YQ6/15-60-157-xxN		60	157
YQ6/15-80-197-xxN		80	197
YQ6/15-100-235-xxN		100	235
YQ6/15-120-278-xxN		120	278
YQ6/15-150-338-xxN		150	338
YQ6/15-200-435-xxN		200	435



Stainless Steel 316 - Custom Forces			
GASTAC Code	Force Range N	Stroke Length (S) mm	Extended Length (L) mm
SS6/15-60-157-xxN	40 - 400N	60	157
SS6/15-80-197-xxN		80	197
SS6/15-100-235-xxN		100	235
SS6/15-120-278-xxN		120	278
SS6/15-150-338-xxN		150	338
SS6/15-200-435-xxN		200	435

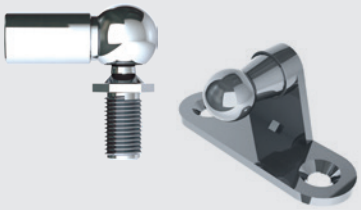
How to Order a Custom Force	
GASTAC Example Code	Example Force
YQ6/15-60-157-400N	400N

How to Order a Custom Force	
GASTAC Example Code	Example Force
SS6/15-80-197-350N	350N

Range Overview	
Rod Diamater (ØR):	6mm
Body Diamater (ØC):	15mm
Threads (T):	M6x1x8mm
Force Range:	40 - 400N
Extension Speed:	~0.3m/s
Working Temp. Range:	-30°C to 80°C
Material:	Steel
Rod:	QPQ
Body Finish:	Powder Coating
Warranty:	2 years against manufacturing defects

Range Overview	
Rod Diamater (ØR):	6mm
Body Diamater (ØC):	15mm
Threads (T):	M6x1x8mm
Force Range:	40 - 400N
Extension Speed:	~0.3m/s
Working Temp. Range:	-30°C to 80°C
Material:	SS 304 / 316
Rod:	SS 304 / 316
Body Finish:	Polished
Warranty:	2 years against manufacturing defects

Please note: adding end fittings to a spring will increase its extended length.



End Fixings

Ball Joints, Eye Ends, Clevis Forks, Rose Eyes and a vast array of bracketry for our full gas spring range.



Protection

Safety Locking Tubes, Protection Tubes and Dust Covers - safety and durability of gas springs.

Additional Damping

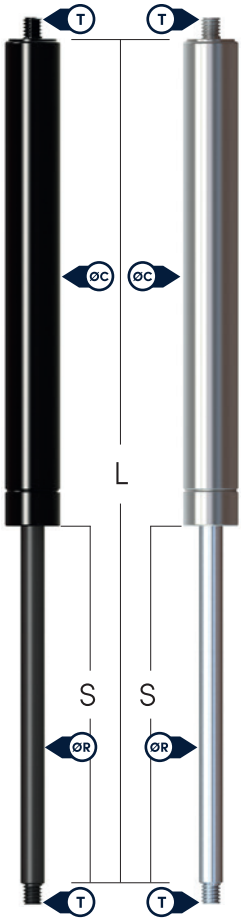
Proline Protection

Stainless Steel Available

Compression Gas Springs | 8mm Rods

CUSTOM FORCES

Carbon Steel - Custom Forces			
GASTAC Code	Force Range N	Stroke Length (S) mm	Extended Length (L) mm
YQ8/18-60-168-xxN	80 - 750N	60	168
YQ8/18-80-206-xxN		80	206
YQ8/18-100-248-xxN		100	248
YQ8/18-120-288-xxN		120	288
YQ8/18-140-328-xxN		140	328
YQ8/18-160-367-xxN		160	367
YQ8/18-180-407-xxN		180	407
YQ8/18-200-447-xxN		200	447
YQ8/18-220-489-xxN		220	489
YQ8/18-250-548-xxN		250	548
YQ8/18-280-607-xxN		280	607
YQ8/18-300-647-xxN		300	647



Stainless Steel 316 - Custom Forces			
GASTAC Code	Force Range N	Stroke Length (S) mm	Extended Length (L) mm
SS8/18-60-168-xxN	80 - 750N	60	168
SS8/18-80-206-xxN		80	206
SS8/18-100-248-xxN		100	248
SS8/18-120-288-xxN		120	288
SS8/18-140-328-xxN		140	328
SS8/18-160-367-xxN		160	367
SS8/18-180-407-xxN		180	407
SS8/18-200-447-xxN		200	447
SS8/18-220-489-xxN		220	489
SS8/18-250-548-xxN		250	548
SS8/18-280-607-xxN		280	607
SS8/18-300-647-xxN		300	647

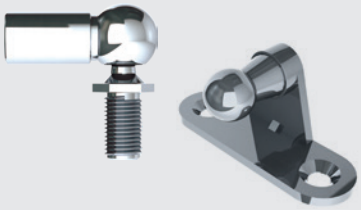
How to Order a Custom Force	
GASTAC Example Code	Example Force
YQ8/18-300-647-750N	750N

How to Order a Custom Force	
GASTAC Example Code	Example Force
SS8/18-300-647-750N	750N

Range Overview	
Rod Diamater (ØR):	8mm
Body Diamater (ØC):	18mm
Threads (T):	M6x1x8mm
Force Range:	80 - 750N
Extension Speed:	~0.3m/s
Working Temp. Range:	-30°C to 80°C
Material:	Steel
Rod:	QPQ
Body Finish:	Powder Coating
Warranty:	2 years against manufacturing defects

Range Overview	
Rod Diamater (ØR):	8mm
Body Diamater (ØC):	18mm
Threads (T):	M6x1x8mm
Force Range:	80 - 750N
Extension Speed:	~0.3m/s
Working Temp. Range:	-30°C to 80°C
Material:	SS 304/316
Rod:	SS 304/316
Body Finish:	Polished
Warranty:	2 years against manufacturing defects

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Protection

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Additional Damping

Proline Protection

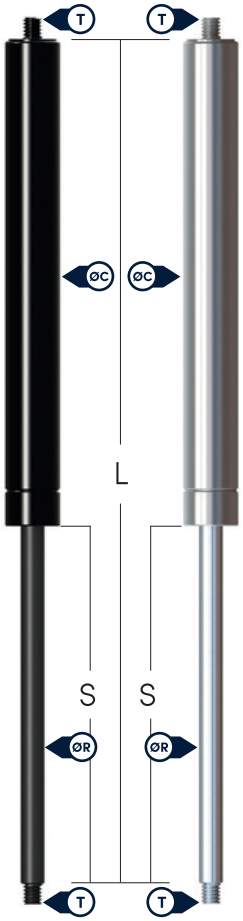
Stainless Steel Available

Compression Gas Springs | 10mm Rods

CUSTOM FORCES

Carbon Steel - Custom Forces			
GASTAC Code	Force Range N	Stroke Length (S) mm	Extended Length (L) mm
YQ10/22-100-248-xxN		100	248
YQ10/22-150-348-xxN		150	348
YQ10/22-200-448-xxN		200	448
YQ10/22-250-548-xxN		250	548
YQ10/22-300-648-xxN	150 - 1200N	300	648
YQ10/22-350-748-xxN		350	748
YQ10/22-400-848-xxN		400	848
YQ10/22-450-948-xxN		450	948
YQ10/22-500-1048-xxN		500	1048

Stainless Steel 316 - Custom Forces			
GASTAC Code	Force Range N	Stroke Length (S) mm	Extended Length (L) mm
SS10/22-100-248-xxN		100	248
SS10/22-150-348-xxN		150	348
SS10/22-200-448-xxN		200	448
SS10/22-250-548-xxN		250	548
SS10/22-300-648-xxN	200 - 1200N	300	648
SS10/22-350-748-xxN		350	748
SS10/22-400-848-xxN		400	848
SS10/22-450-948-xxN		450	948
SS10/22-500-1048-xxN		500	1048



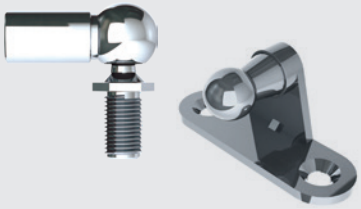
How to Order a Custom Force	
GASTAC Example Code	Example Force
YQ10/22-500-1048-1200N	1200N

How to Order a Custom Force	
GASTAC Example Code	Example Force
SS10/22-500-1048-1200N	1200N

Range Overview	
Rod Diamater (ØR):	10mm
Body Diamater (ØC):	22mm
Threads (T):	M8x1.25x9.5mm
Force Range:	150 - 1200N
Extension Speed:	~0.3m/s
Working Temp. Range:	-30°C to 80°C
Material:	Steel
Rod:	QPQ
Body Finish:	Powder Coating
Warranty:	2 years against manufacturing defects

Range Overview	
Rod Diamater (ØR):	10mm
Body Diamater (ØC):	22mm
Threads (T):	M8x1.25x9.5mm
Force Range:	200 - 1200N
Extension Speed:	~0.3m/s
Working Temp. Range:	-30°C to 80°C
Material:	SS 304/316
Rod:	SS 304/316
Body Finish:	Polished
Warranty:	2 years against manufacturing defects

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Protection

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Additional Damping

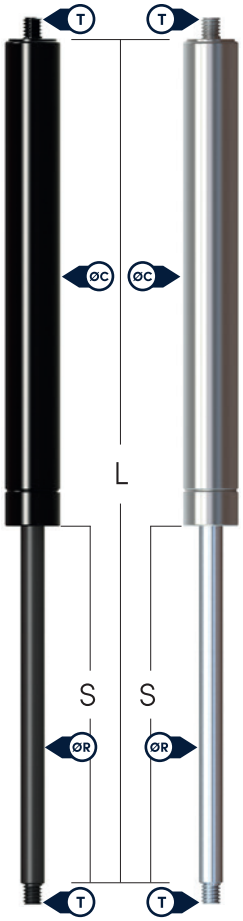
Proline Protection

Stainless Steel Available

Compression Gas Springs | 14mm Rods

CUSTOM FORCES

Carbon Steel - Custom Forces			
GASTAC Code	Force Range N	Stroke Length (S) mm	Extended Length (L) mm
YQ14/28-100-268-xxN		100	268
YQ14/28-150-368-xxN		150	368
YQ14/28-200-468-xxN		200	468
YQ14/28-250-568-xxN		250	568
YQ14/28-300-668-xxN	250 - 2400N	300	668
YQ14/28-350-768-xxN		350	768
YQ14/28-400-874-xxN		400	874
YQ14/28-450-974-xxN		450	974
YQ14/28-500-1070-xxN		500	1070



Stainless Steel 316 - Custom Forces			
GASTAC Code	Force Range N	Stroke Length (S) mm	Extended Length (L) mm
SS14/28-100-268-xxN		100	268
SS14/28-150-368-xxN		150	368
SS14/28-200-468-xxN		200	468
SS14/28-250-568-xxN		250	568
SS14/28-300-668-xxN	250 - 2400N	300	668
SS14/28-350-768-xxN		350	768
SS14/28-400-874-xxN		400	874
SS14/28-450-974-xxN		450	974
SS14/28-500-1070-xxN		500	1070

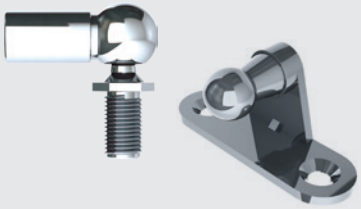
How to Order a Custom Force	
GASTAC Example Code	Example Force
YQ14/28-500-1070-2400N	2400N

How to Order a Custom Force	
GASTAC Example Code	Example Force
SS14/28-500-1070-2400N	2400N

Range Overview	
Rod Diamater (ØR):	14mm
Body Diamater (ØC):	28mm
Threads (T):	M10x1.5x11mm
Force Range:	250 - 2400N
Extension Speed:	~0.3m/s
Working Temp. Range:	-30°C to 80°C
Material:	Steel
Rod:	QPQ
Body Finish:	Powder Coating
Warranty:	2 years against manufacturing defects

Range Overview	
Rod Diamater (ØR):	14mm
Body Diamater (ØC):	28mm
Threads (T):	M10x1.5x11mm
Force Range:	250 - 2400N
Extension Speed:	~0.3m/s
Working Temp. Range:	-30°C to 80°C
Material:	SS 304/316
Rod:	SS 304/316
Body Finish:	Polished
Warranty:	2 years against manufacturing defects

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End Fixings

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Protection

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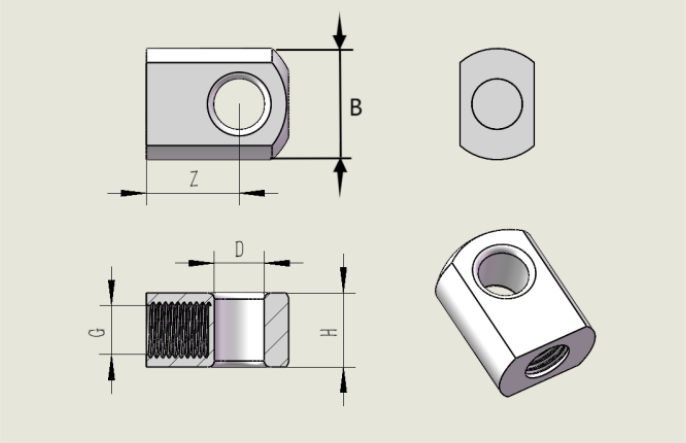
Additional Damping

Proline Protection

Stainless Steel Available

End Fittings

Joint Eyelets

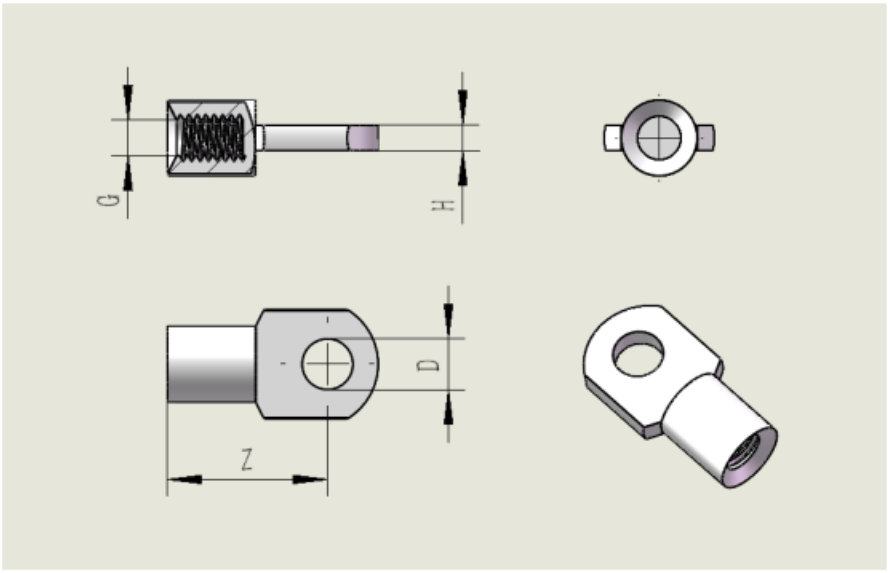


Name	H	Z	G	D	B
GDB10	10	18	M6/M8	8/10	16/18
GDB10-1	10	20	M6/M8	8/10	16/18
GDB12	12	15	M10	8	16/18
GDB12-1	12	16	M10	10	16/18
GDB12-2	12	20	M10	8/10	16/18
GDB15	15	15	M8	6.5	16/18

GDB End Fitting





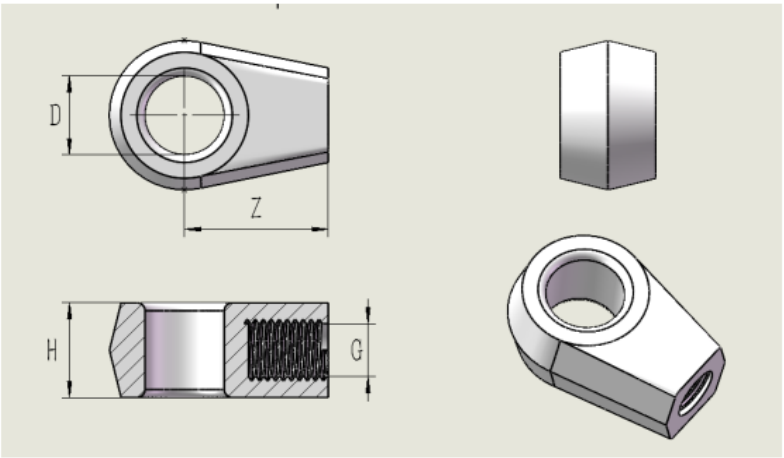


	H	Z	G	D
GDF20	3	20	M6	6.1

GDF End Fitting



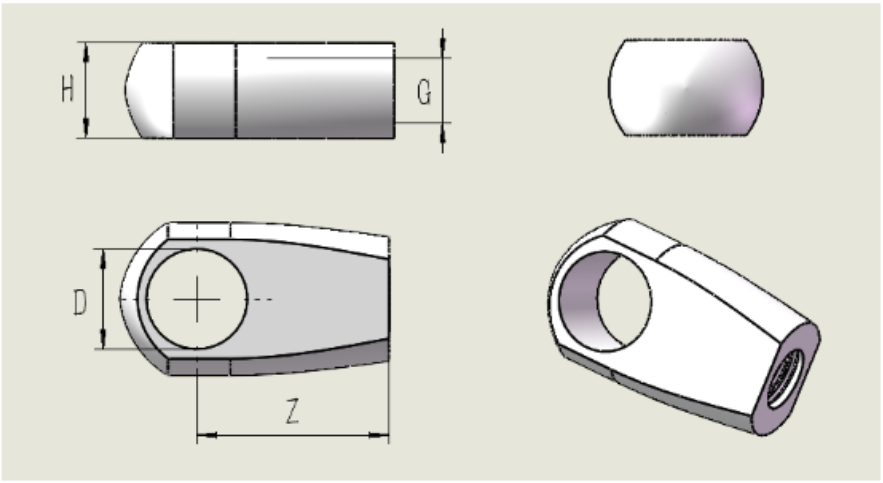
End Fittings



	H	Z	G	D
GDL10	11.7	16	M8	10

GDL End Fitting

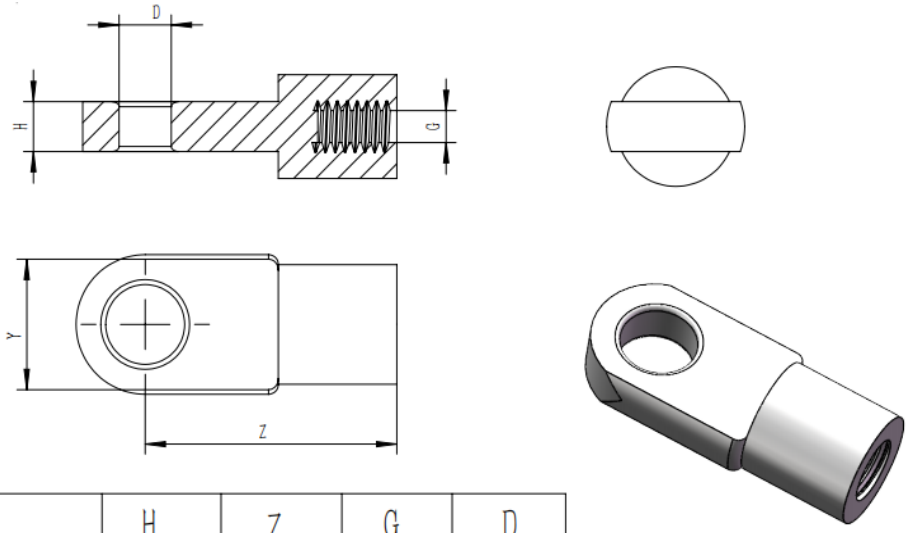




	H	Z	G	D
GDZ10	10	20	M6/M8	8.1/10.1

GDZ End Fitting





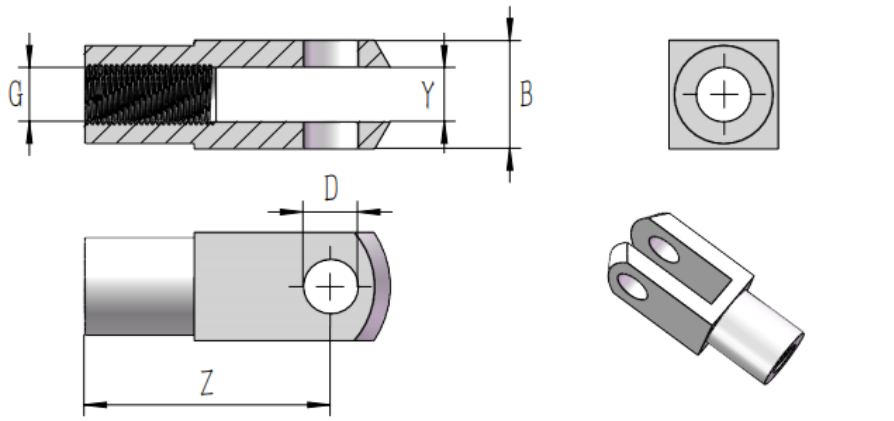
	H	Z	G	D
GDY20	5	20	M6/M8	8
GDY25	5	25	M8	8/10

GDY End Fitting



End Fittings

Clevis Joints



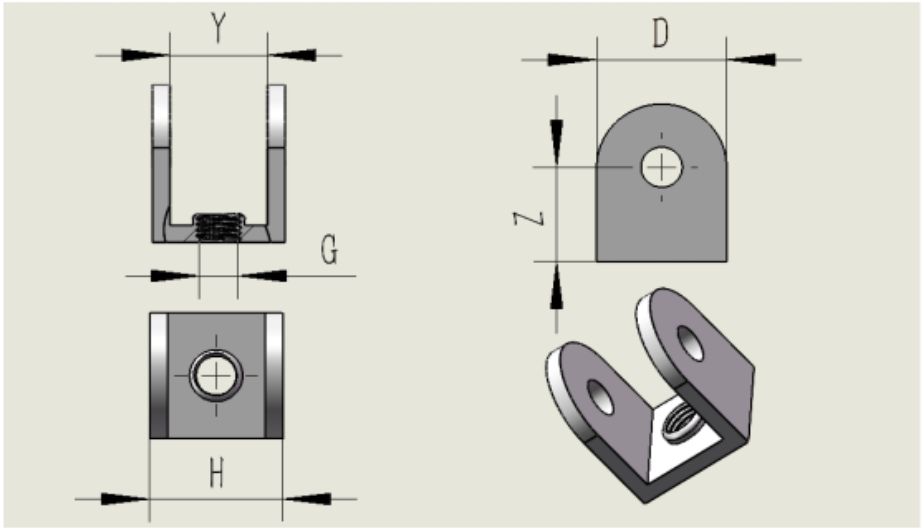
	D	B	G	Z	Y
GUB6	6	12	M6	24	6.3
GUB8	8	16	M6/M8	32	8
GUB10	10	20	M10	40	10.3

GUB End Fitting





Clevis Bracket



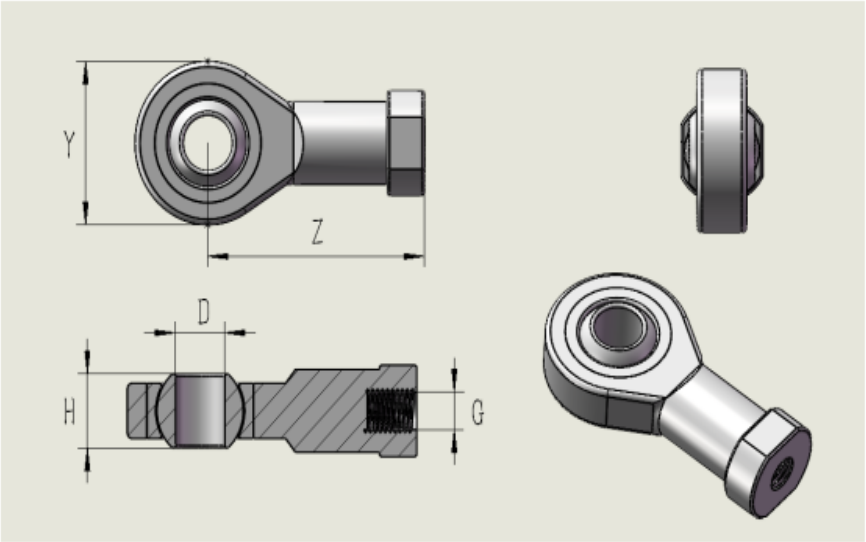
	H	Z	G	D	Y
GUL22	22	20	M10	20	16

GUL End Fitting



End Fittings

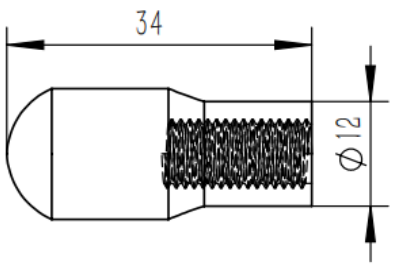
Female Rod End

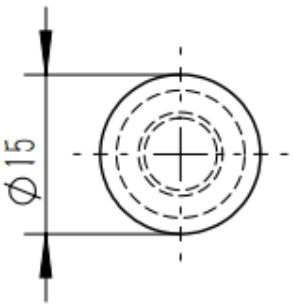


	D	H	G	Z	Y
GYB6	6	9	M6	30	20
GYB8	8	12	M8	36	24
GYB10	10	14	M10	43	28
GYB10-1	10	14	M10	43	28

GYB End Fitting





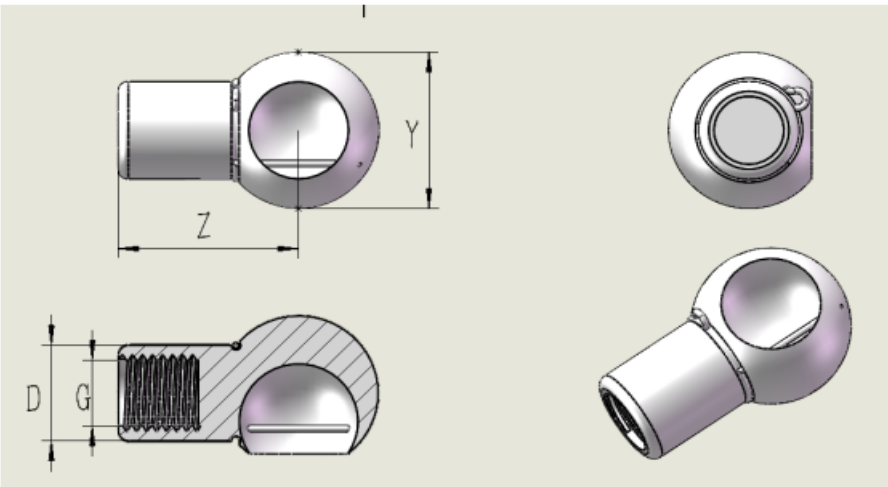


ZDT001 End Fitting



End Fittings

Steel Ball Socket



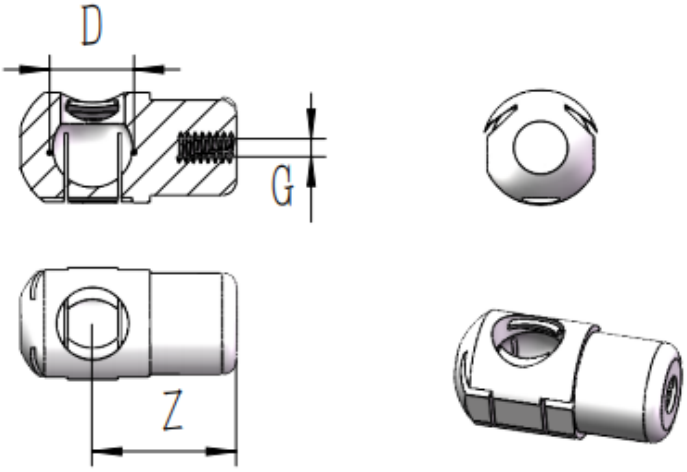
	Y	Z	G	D
GQB6	16	20	M6	11
GQB6-1	19.5	23	M8/M10	11
GQB8	19.5	25	M8	13.5
GQB10	19.5	25	M10	13.5

GQB End Fitting





Ball Socket



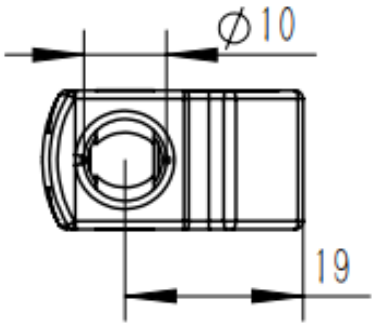
	Z	G	D	
GQY10	20	M6/M8	9.8	
GQY13	23/25	M10	13	

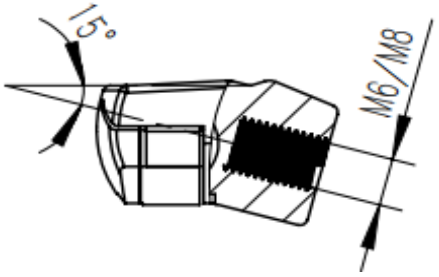
GQY End Fitting



End Fittings

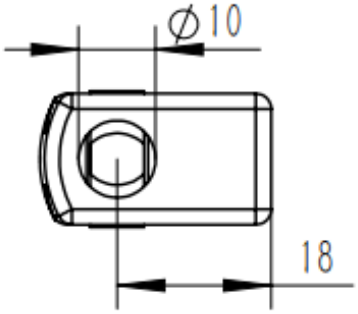
Plastic Gas Spring

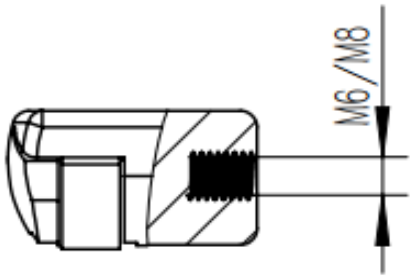




SL001 End Fitting

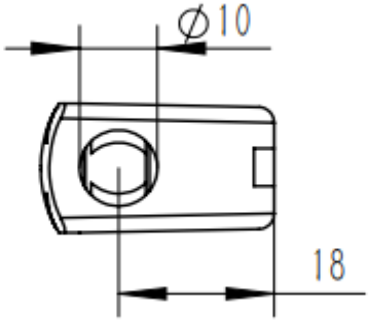


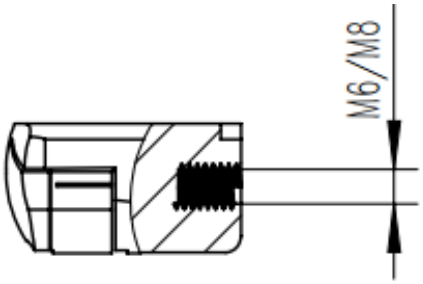




SL002 End Fitting

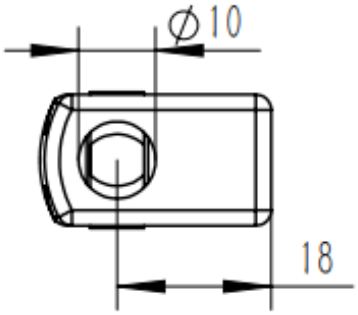


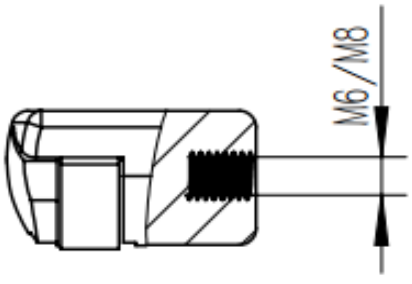




SL003 End Fitting

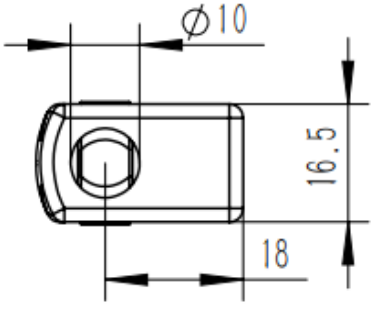


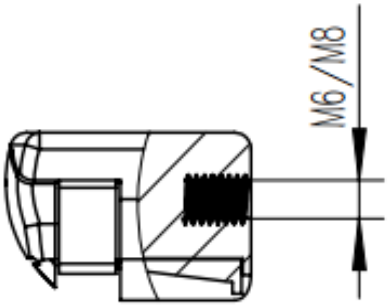




SL004 End Fitting

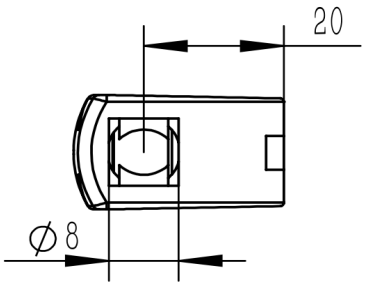


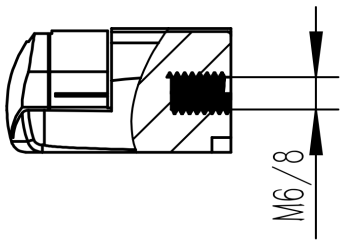




SL005 End Fitting

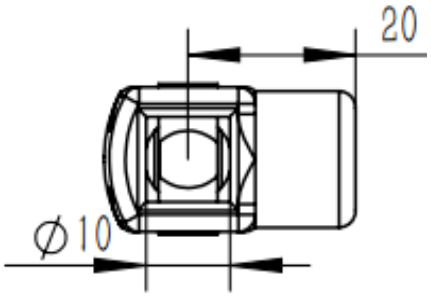


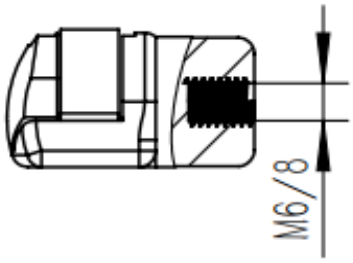




SL006 End Fitting

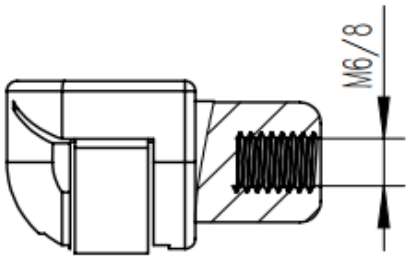


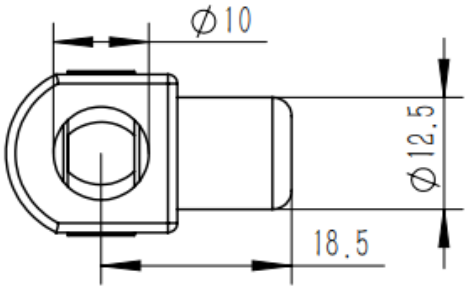




SL007 End Fitting

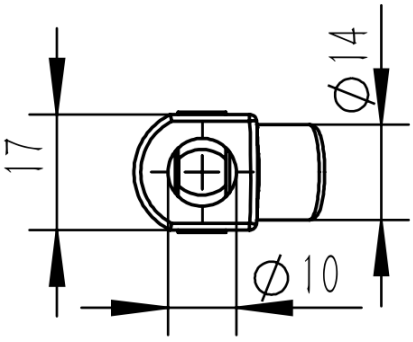


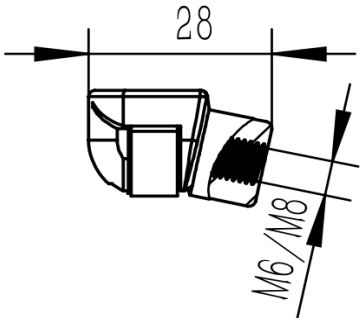




SL008 End Fitting

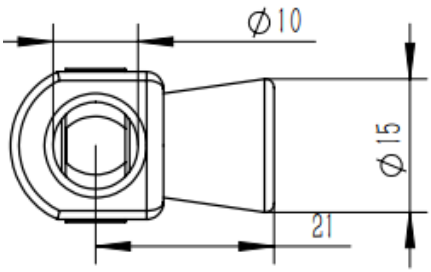


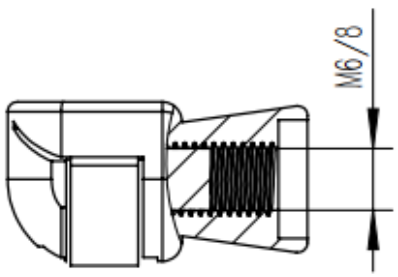




SL009 End Fitting

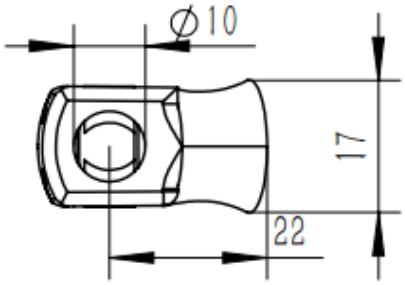


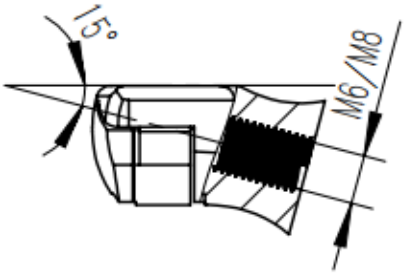




SL010 End Fitting

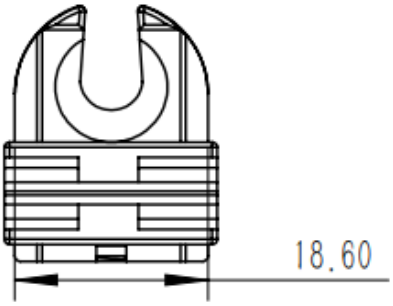


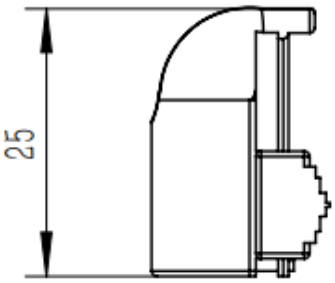




SL011 End Fitting

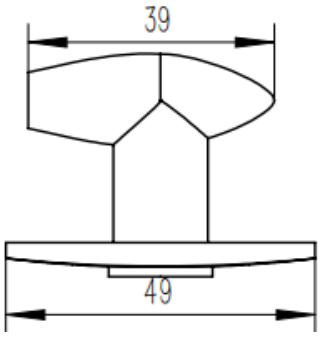


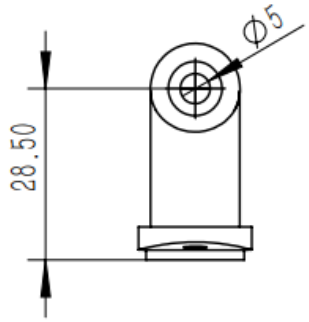




SL012 End Fitting

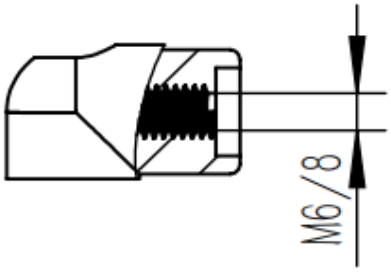


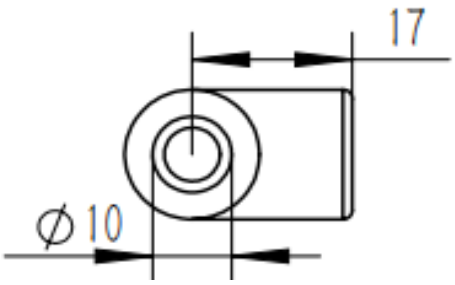




SL013 End Fitting

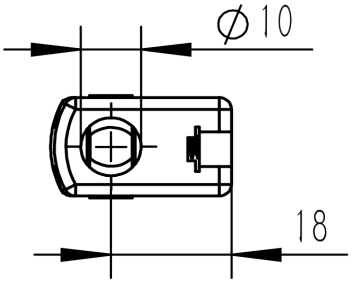


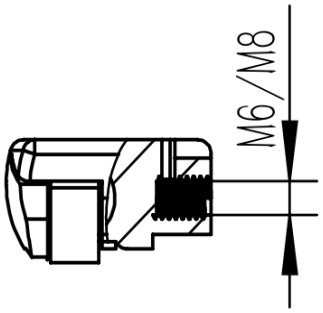




SL014 End Fitting

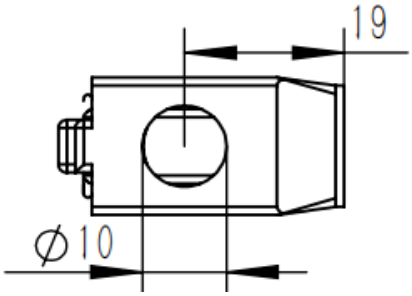


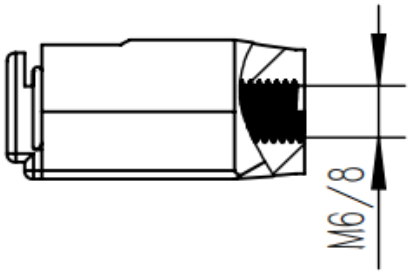




SL015 End Fitting

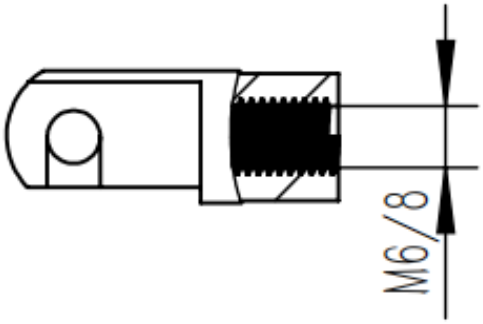


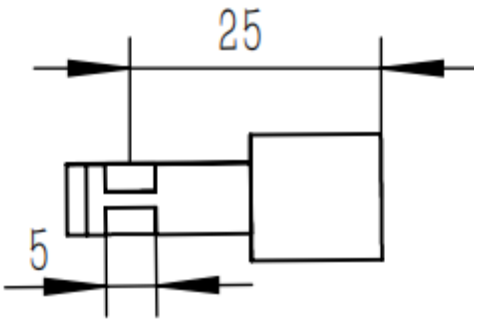




SL016 End Fitting

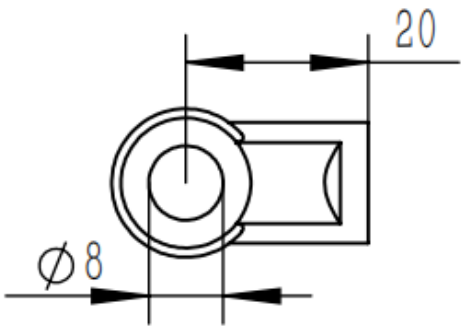


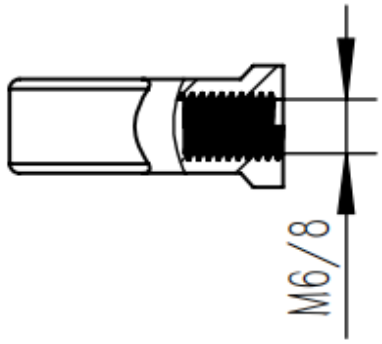




SL017 End Fitting

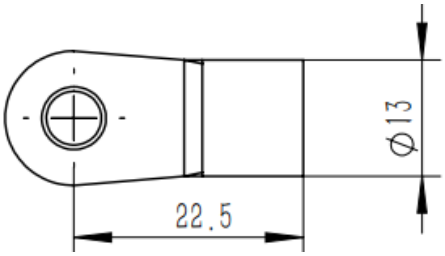


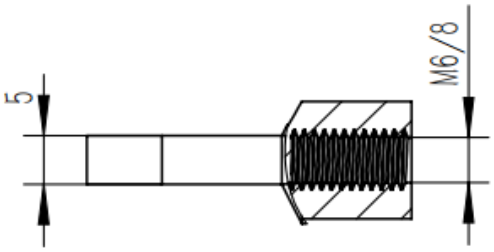




SL018 End Fitting

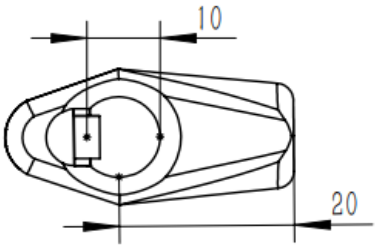


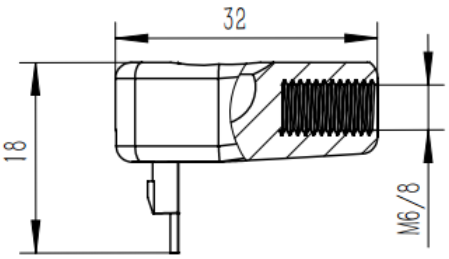




SL019 End Fitting

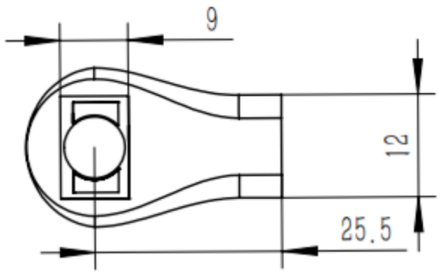


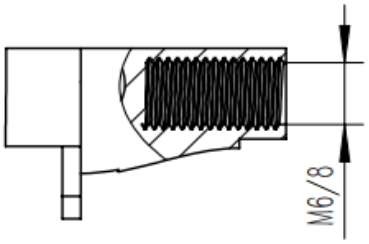




SL020 End Fitting

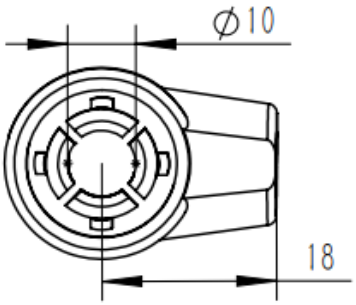


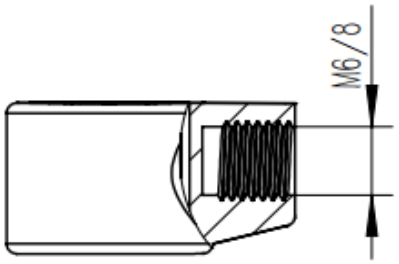




SL021 End Fitting





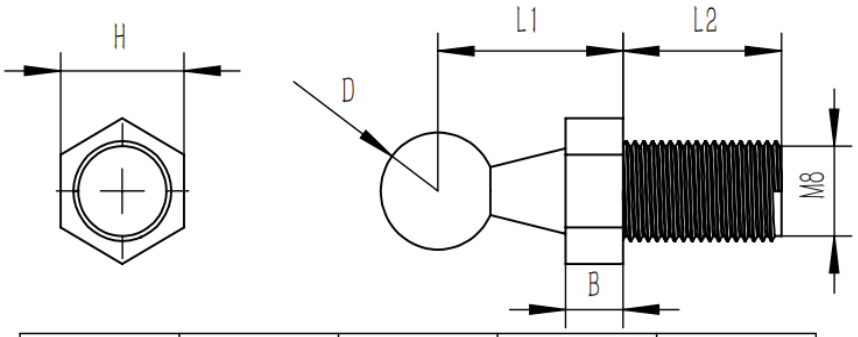


SL022 End Fitting



End Fittings

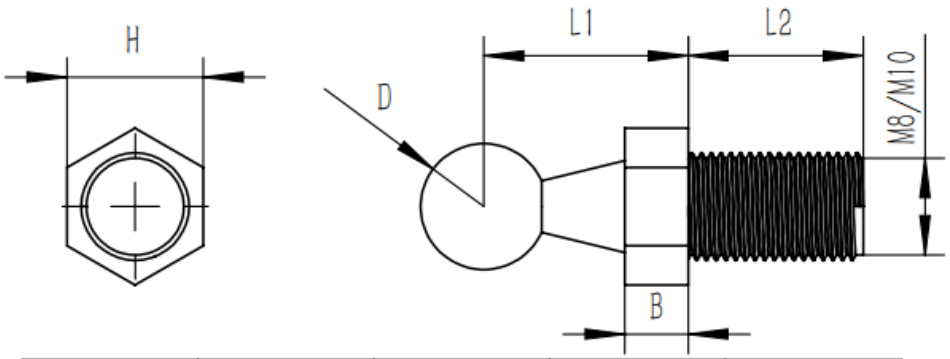
Ball Studs



D	H	L1	B	L2
10	12	15	4/5	10
10	12	15	4/5	12
10	12	15	4/5	14
10	12	15	4/5	16
10	12	15	4/5	17
10	12	15	4/5	18
10	12	15	4/5	20

QD10 End Fitting





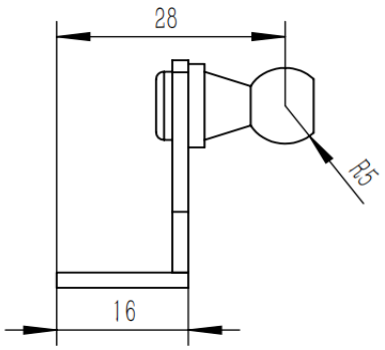
D	H	L1	B	L2
13	14	15	4/5	14
13	14	15	4/5	16
13	14	15	4/5	18
13	14	15	4/5	20

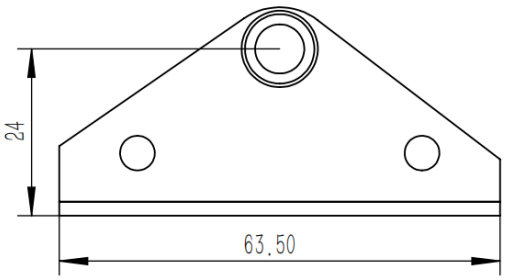
QD13 End Fitting



Gastac GAS SPRING®

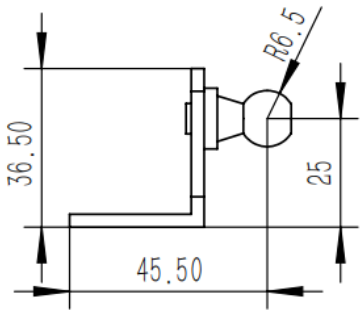
Bracket Gas Spring

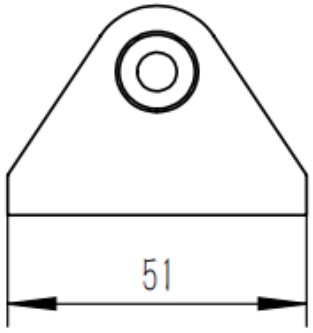




CYJ01 End Fitting

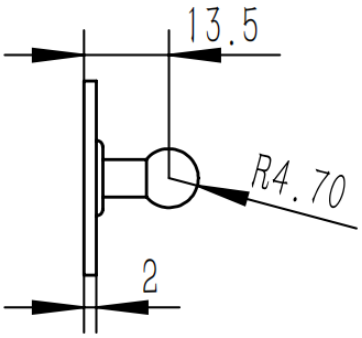


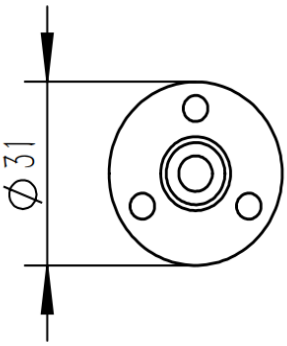




CYJ02 End Fitting

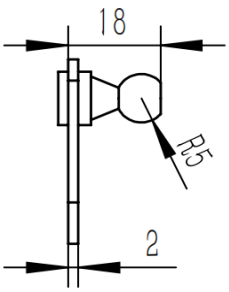


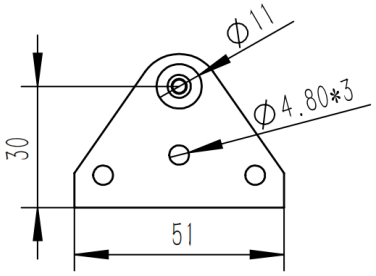




CYJ03 End Fitting

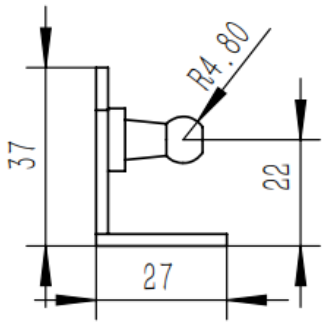


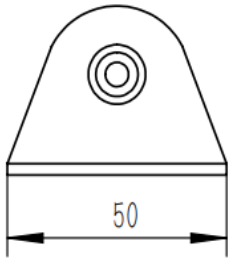




CYJ04 End Fitting

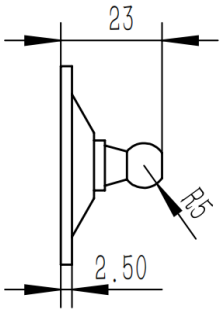


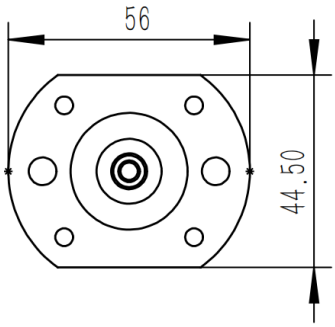




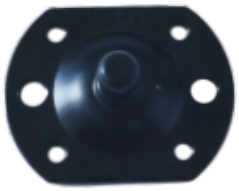
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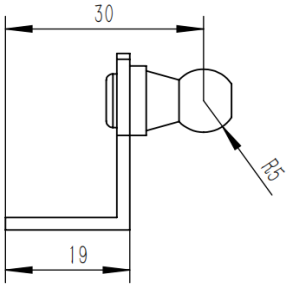


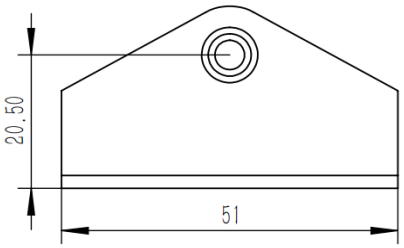




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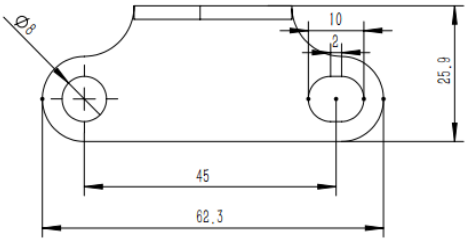


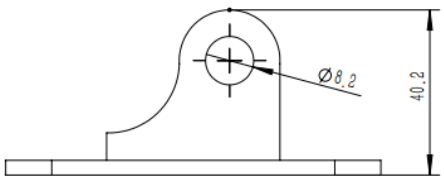




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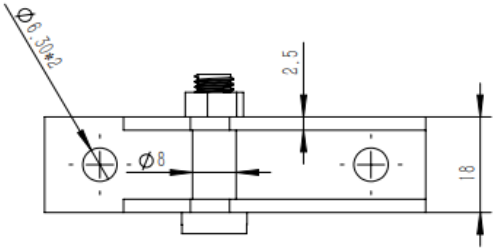


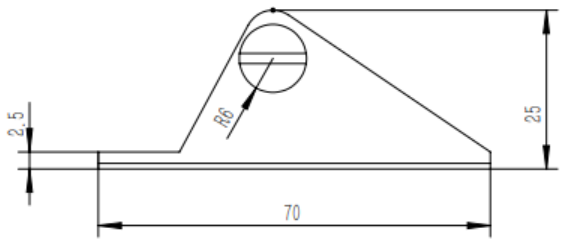




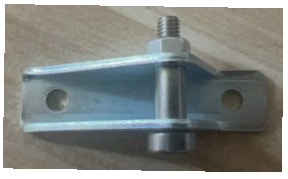
CYJ09 Bracket







CYJ08 Bracket





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NINGBO GASTAC GAS SPRING CO.,LTD

Office address:No.818,Liyuan North Road Haishu,Ningbo,China

Tel:+86-547-87008309 Whatsapp:+86 13626842823

Email：sales@gastac.com