

<Flat Top type>

Ship/Vehicle/Scrap Shear

GS Shear

GS-202AS-TFT | GS-302AS-TFT | GS-482S-TFT

Operation & Maintenance Manual

This manual is limited to the flat-top type.
Refer also to Operation & Maintenance Manual, which covers all types.

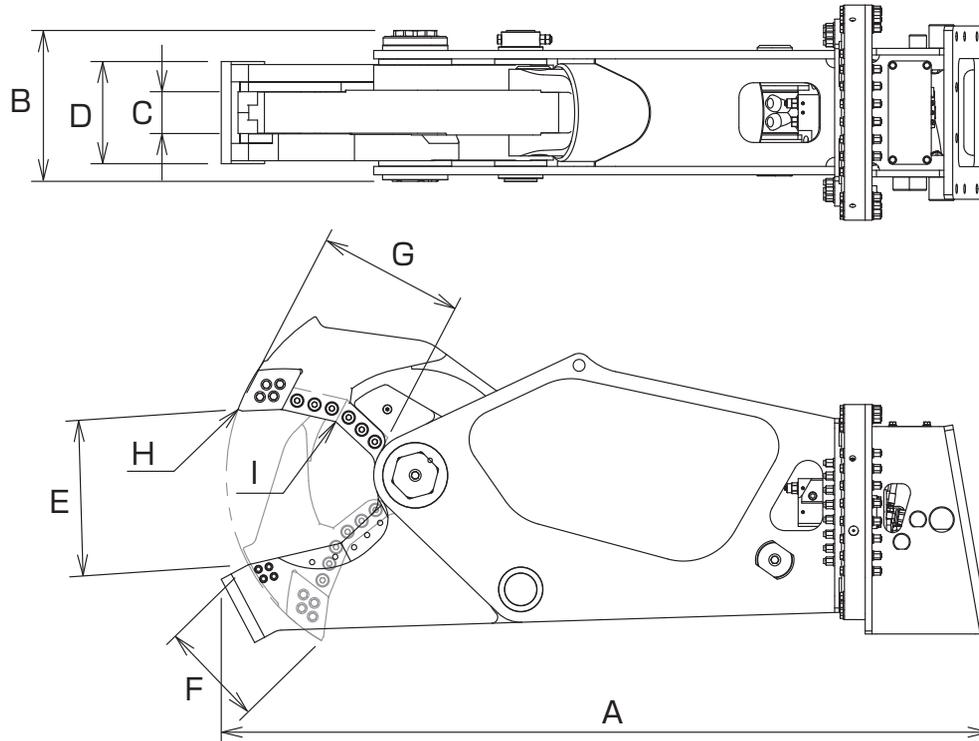
Contents

Specifications and Dimensions	2
Hydraulic rotation type (S type)/ Flat Top Type.....	2
Automatic/hydraulic rotation type (AS type)/ Flat Top Type.....	3
Interface Specifications	4
Hydraulic rotation type (S type)/ Flat Top Type.....	4
Automatic/hydraulic rotation type (AS type)/ Flat Top Type.....	5
Component names	7
Hydraulic rotation type (S type)/ Flat Top Type.....	7
Automatic/hydraulic rotation type (AS type)/ Flat Top Type.....	8
Greasing	9
Lubrication points.....	9

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Specifications and Dimensions

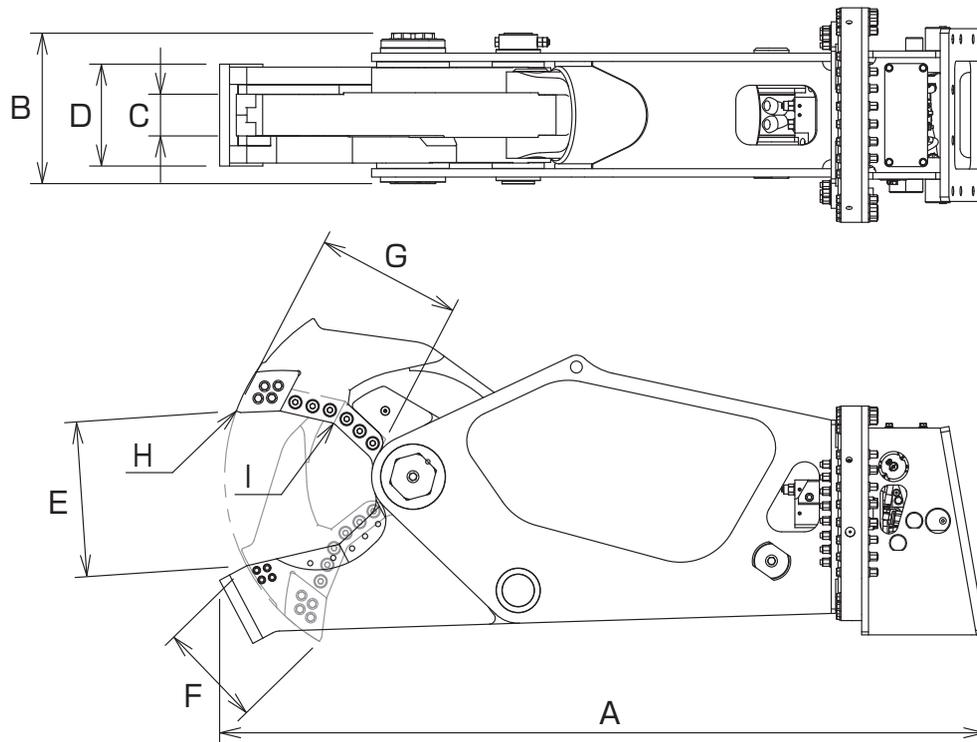
Hydraulic rotation type (S type)/ Flat Top Type



Model name		GS-482S-TFT
Class of excavator	ton	45 - 55
Max. Op. Pressure	MPa (kgf/cm ²)	31.4 (320)
Open/close required flow rate	L/min	800
Rotation pressure	MPa (kgf/cm ²)	14.2 (145)
Rotation required flow rate	L/min	50
A Length	mm	3430
B Width	mm	670
C Moving Jaw width	mm	180
D Fixed Jaw width	mm	440
E Maximum jaw opening	mm	710
F Minimum jaw opening	mm	470
G Cutting blade length	mm	655
H Tip cutting force	kN (tf)	2160 (220)
I Center cutting force	kN (tf)	4250 (434)
Mass	kg	5890

- Double seals are required. (However, drain piping is required when the back pressure during rotation exceeds 2 MPa (20 kgf/cm²).)
- We recommend reinforcing the arm of a hydraulic excavator that has this product installed.
- Mass values in the table are only guides. Refer to “Product nameplate” for the actual mass of the product.
- The attachment cannot be installed on a hydraulic excavator of a different class.

■ Automatic/hydraulic rotation type (AS type)/ Flat Top Type



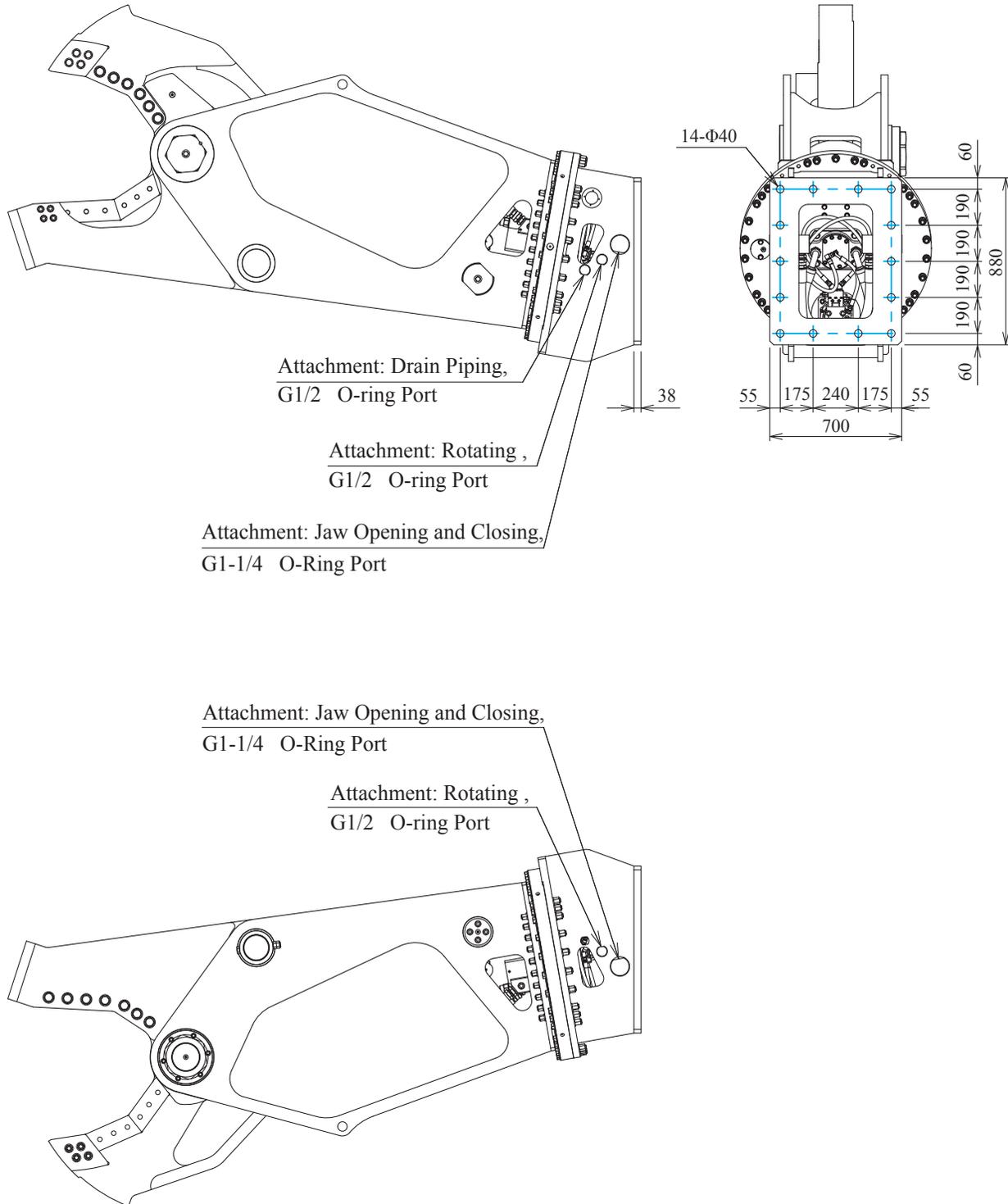
Model name		GS-202AS-TFT	GS-302AS-TFT
Class of excavator	ton	20 - 22	30 - 37
Max. Op. Pressure	MPa (kgf/cm ²)	31.4(320)	
Required flow rate (in A mode)	L/min	400	600
Open/close required flow rate (in S mode)	L/min	400	600
Rotation pressure (in S mode)	MPa (kgf/cm ²)	14.2(145)	
Rotation required flow rate (in S mode)	L/min	50	
A Length	mm	2590	2960
B Width	mm	500	570
C Moving Jaw width	mm	140	160
D Fixed Jaw width	mm	340	380
E Maximum jaw opening	mm	520	600
F Minimum jaw opening	mm	350	395
G Cutting blade length	mm	490	550
H Tip cutting force	kN (tf)	1210(123)	1590(162)
I Center cutting force	kN (tf)	2410(246)	3090(315)
Mass	kg	2470	3700

- In the case of use in A mode, single two-way hydraulic piping is required. (Rotation may not be possible when the operating pressure is low.)
- In the case of use in S mode, double two-way hydraulic pipes are required. (However, drain piping is required when the back pressure during rotation exceeds 2 MPa (20 kgf/cm²).)
- We recommend reinforcing the arm of a hydraulic excavator that has this product installed.
- Mass values in the table are only guides. Refer to “Product nameplate” for the actual mass of the product
- The attachment cannot be installed on a hydraulic excavator of a different class.

Interface Specifications

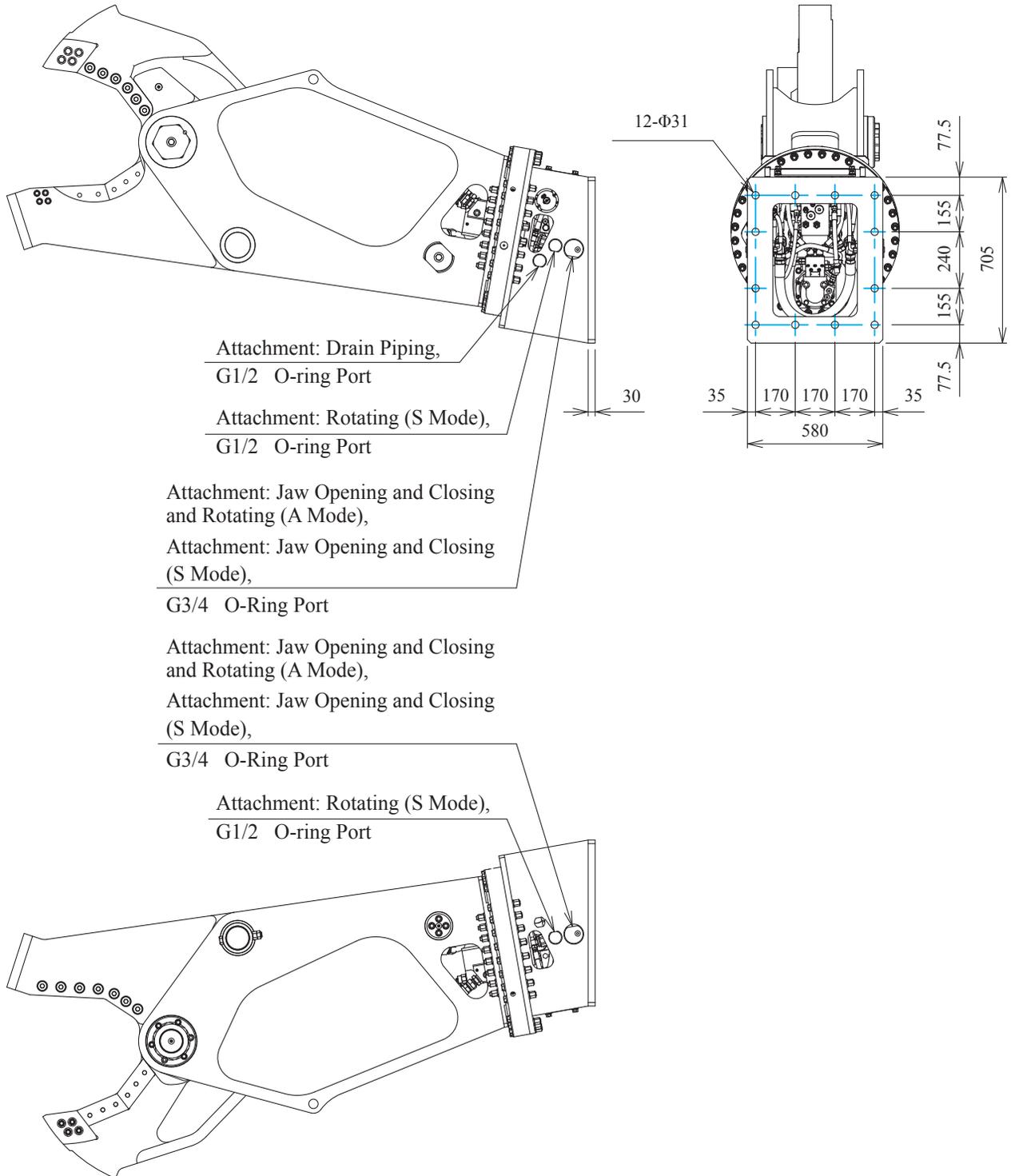
Hydraulic rotation type (S type)/ Flat Top Type

● GS-482S-TFT

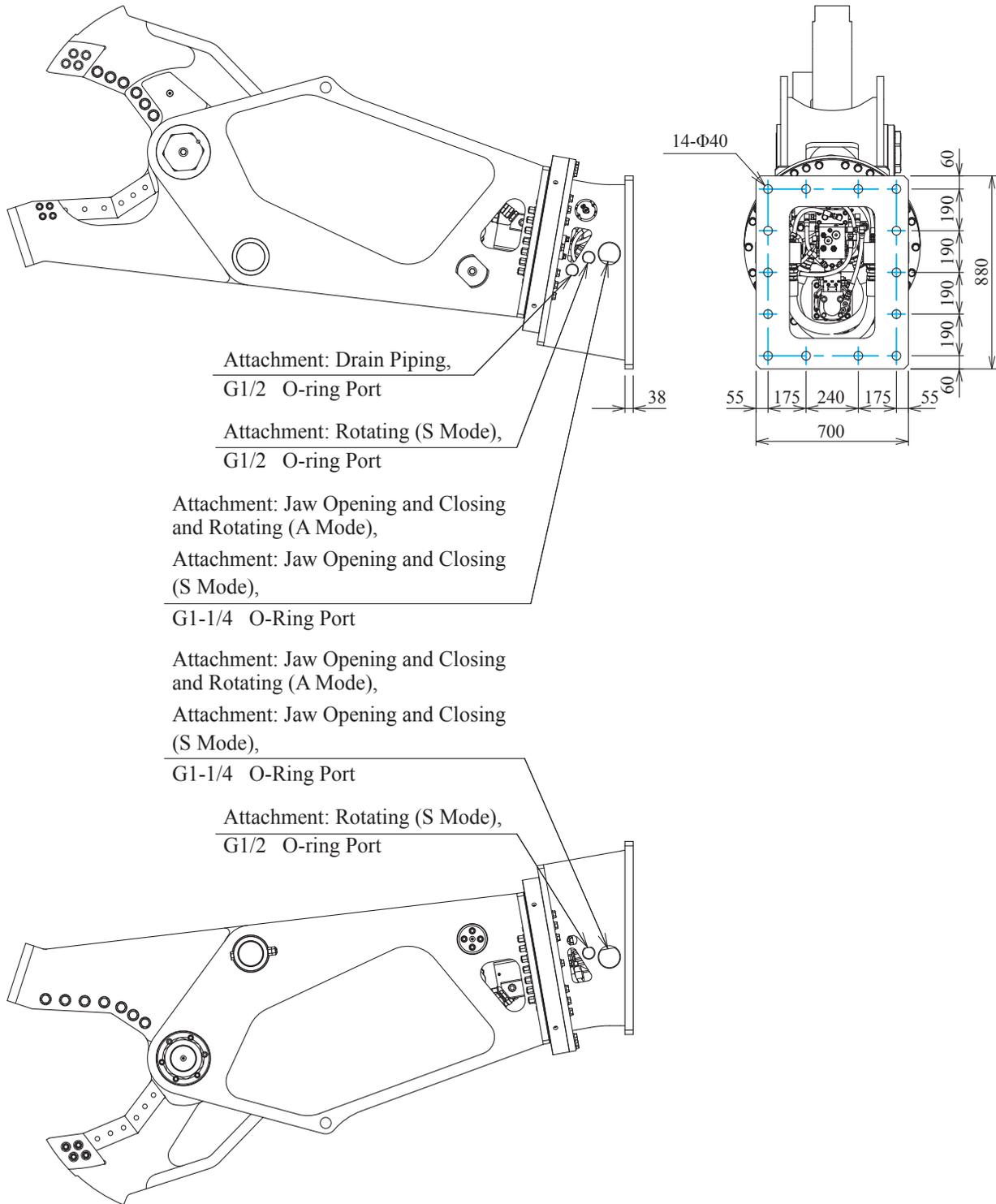


■ Automatic/hydraulic rotation type (AS type)/ Flat Top Type

● GS-202AS-TFT

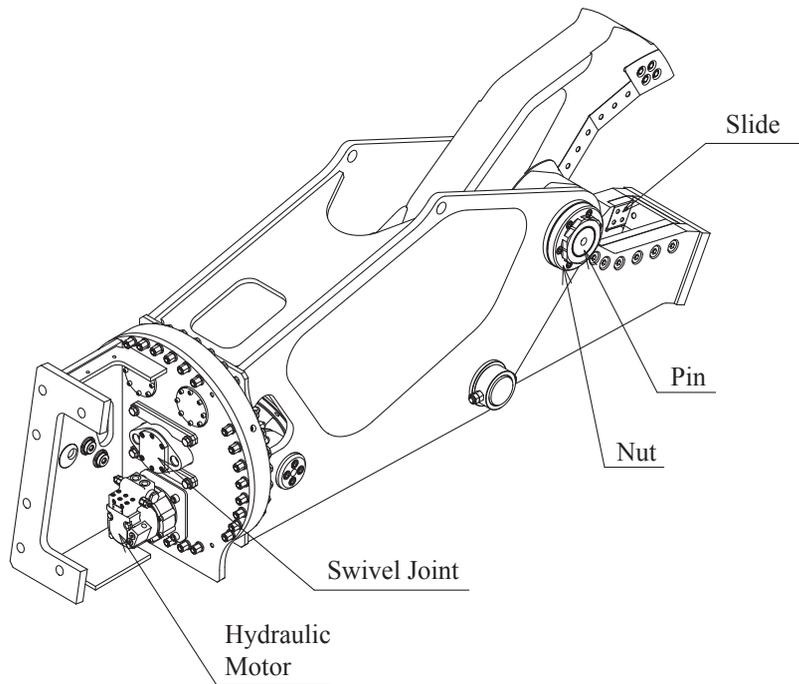
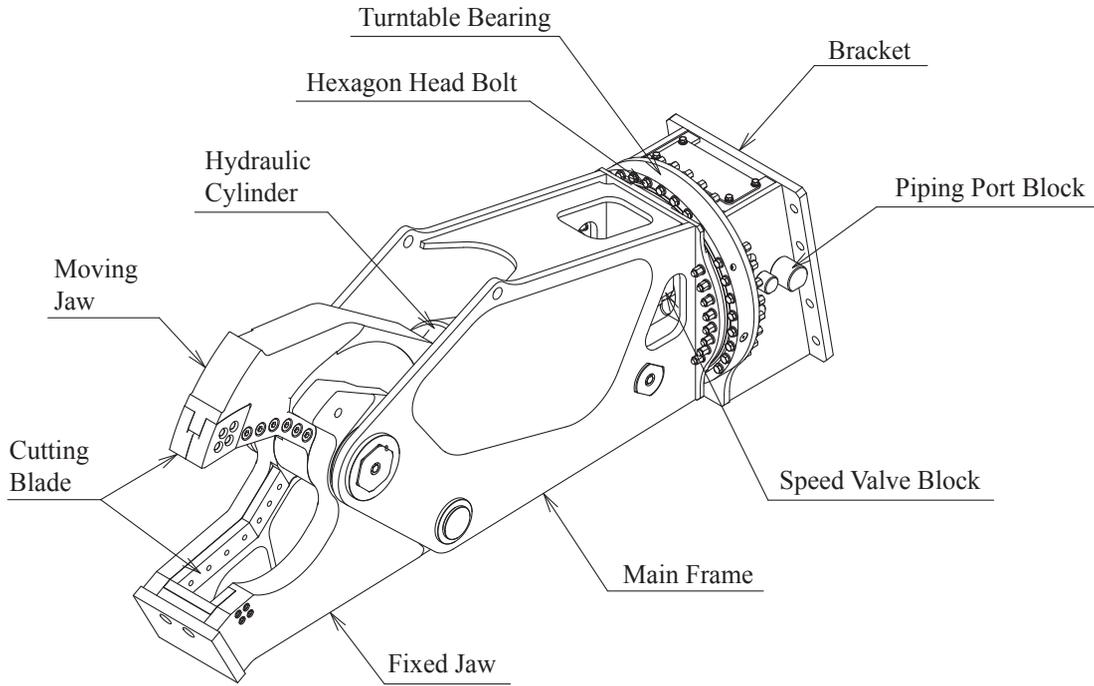


● **GS-302AS-TFT**

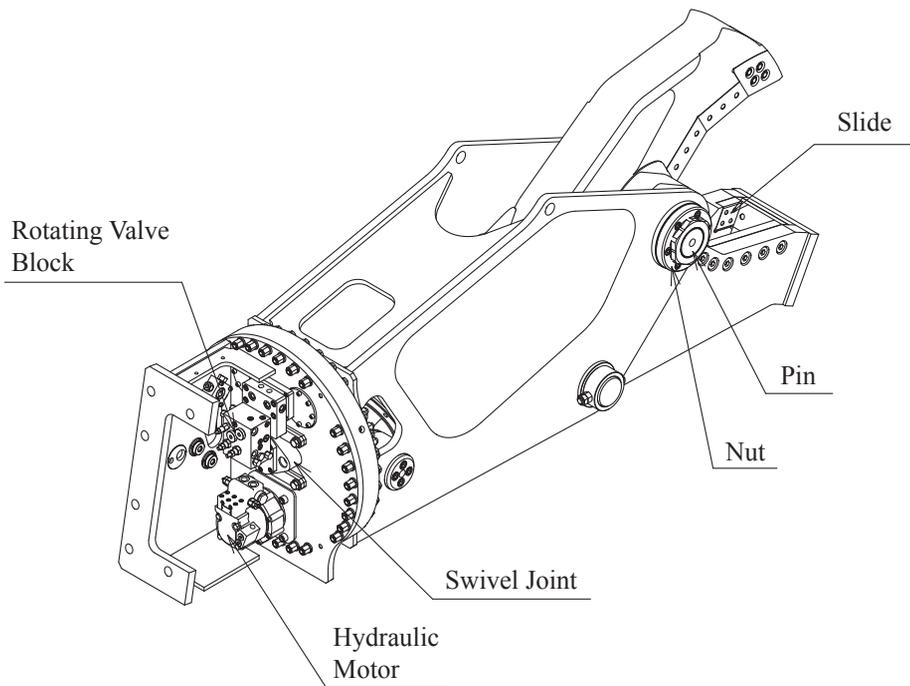
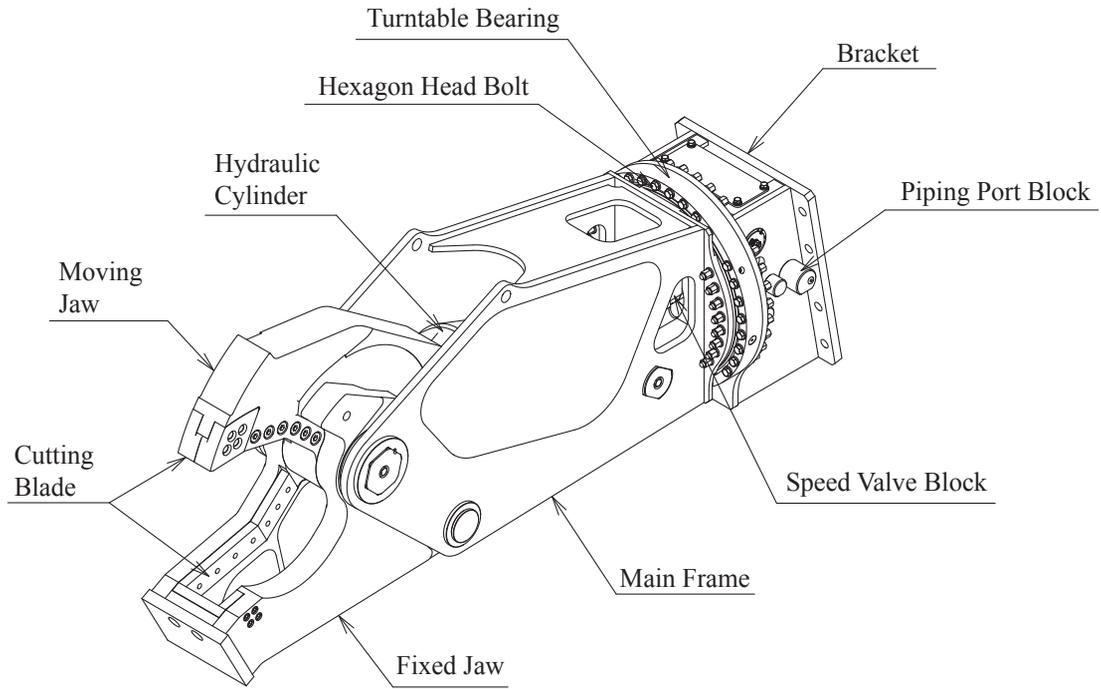


Component names

Hydraulic rotation type (S type)/ Flat Top Type



■ Automatic/hydraulic rotation type (AS type)/ Flat Top Type



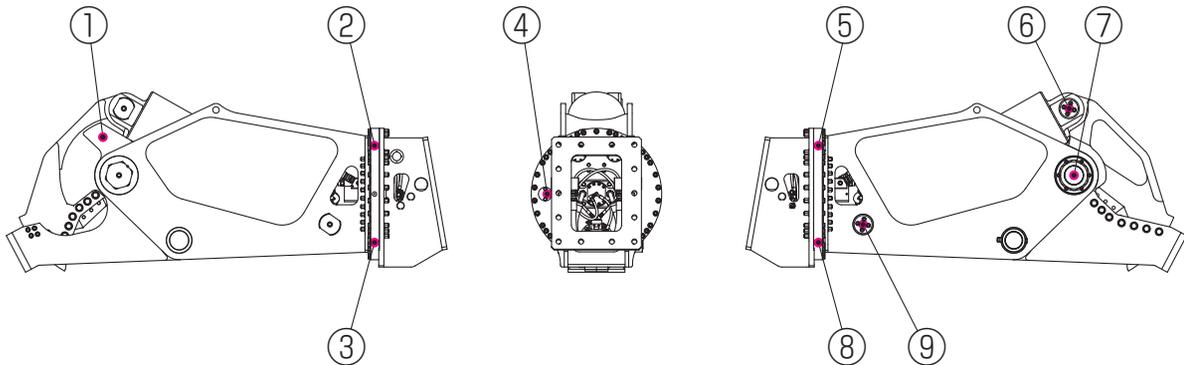
Greasing

■ Lubrication points

Apply grease to the locations numbered in the diagram.

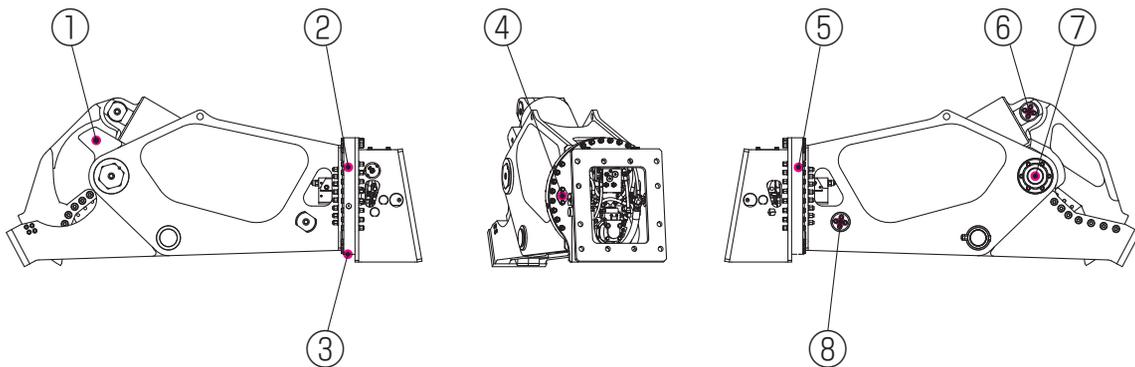
● Hydraulic rotation type (S type)/ Flat Top Type

- GS-482S-TFT

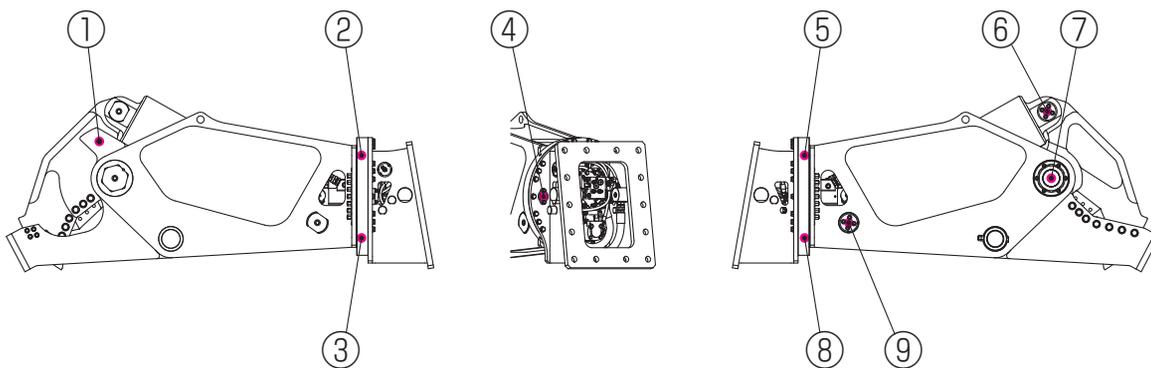


● Automatic/hydraulic rotation type (AS type)/ Flat Top Type

- GS-202AS-TFT



- GS-302AS-TFT



MEMO
