SMART MACHINE TOOL

# SL 20

# Installation Packet

## 2.3. Overall drawing

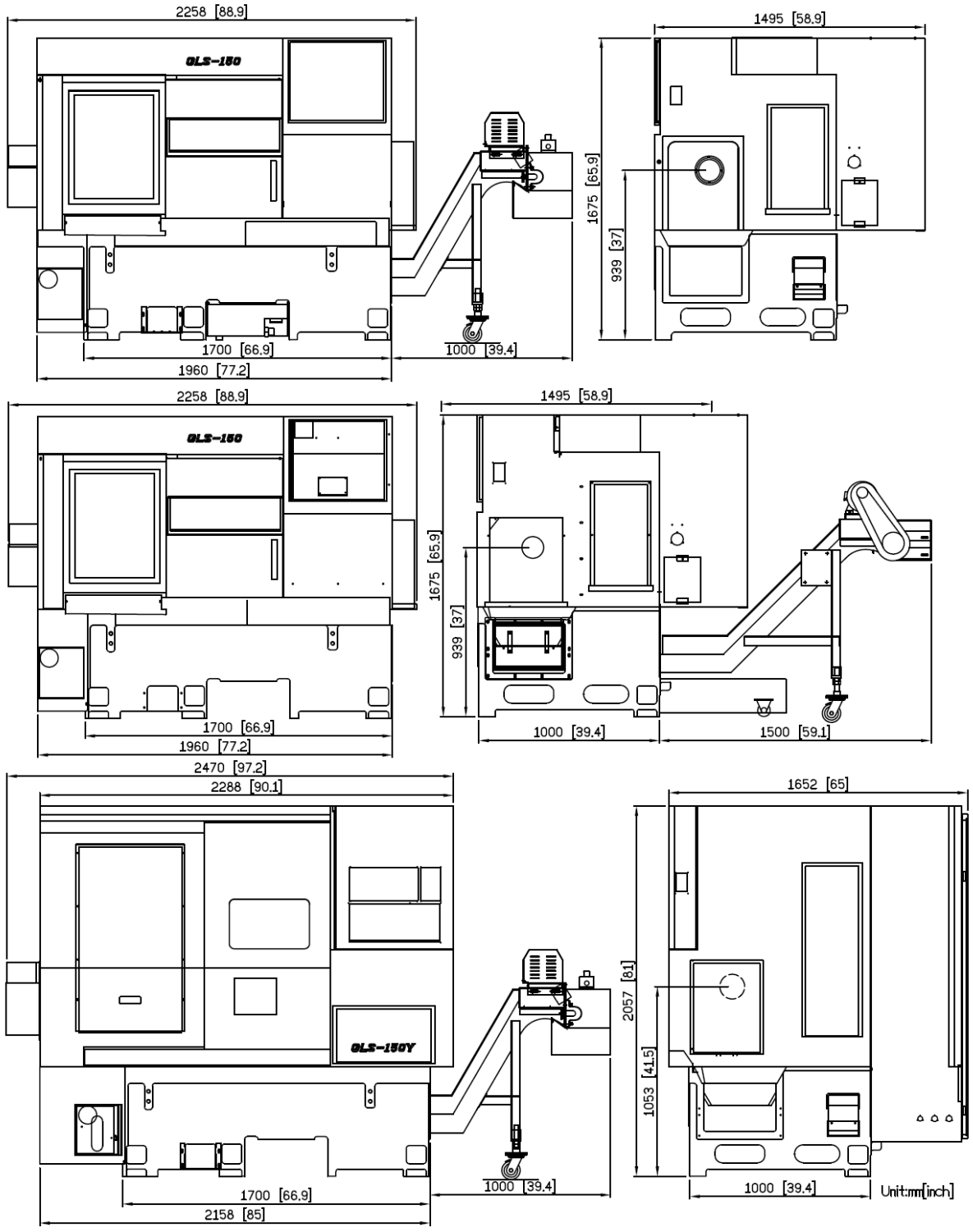



Fig. 2.3.1 Machine Size ()

## 3.2. Requirements of the foundation

The foundation has great effects on the accuracy of the machine, and machining accuracy by machine installation.

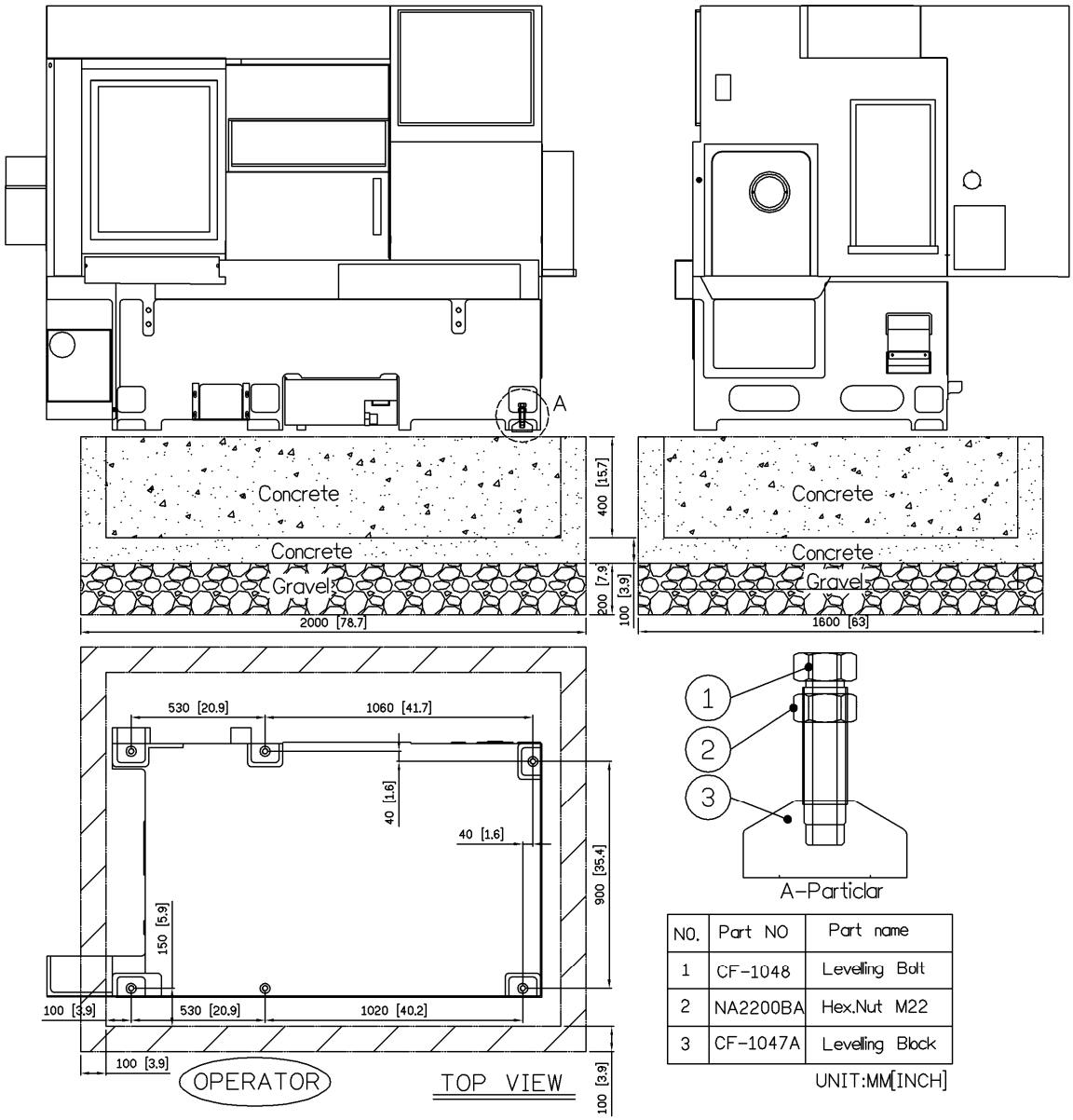
Therefore, a foundation site must be selected with full care.

Refer to Fig. 4-2 to make foundation.

* Dimension should be according to the conditions of the ground.

* Foundation strength: 28.8 KPa over for

32.5 KPa over for Series




| NO. | Part NO | Part name |
|---|---|---|
| 1 | CF-1048 | Levelling Bolt |
| 2 | NA2200BA | Hex.Nut M22 |
| 3 | CF-1047A | Levelling Block |

UNIT:MM[INCH]

Fig. 3.2.1

| Conestoga Trailers arranged by Walsh Logistics required for all machine shipments | | | |
|---|---|---|---|
| **Model** | **Description** | ESTIMATED PACKING | |
| | | **(Size - FEET)** | **(Size - LBS)** |
| SL 15 | MACHINE | 9'7 x 7'6 x 6'11 | 8,333 |
| SL 20 | MACHINE | 9'7 x 7'6 x 6'11 | 8,333 |
| SL 26 | MACHINE | 9'8 x 7'7 x 6'11 | 8,333 |
| SL 15M | MACHINE | 9'7 x 7'6 x 6'11 | 8,708 |
| SL 26M | MACHINE | 9'8 x 7'7 x 6'11 | 8,863 |
| SL 15YS | MACHINE | 11'11 x 7' x 7'8 | 8,598 |
| SL 20YS | MACHINE | 11'11 x 7'7 x 7'8 | 8,598 |
| SL 280LYS | | | |
| SL 200 | MACHINE | 13'11 x 7'5 x 6'9 | 11,023 |
| SL 260(M) | MACHINE | 16'5 x 7'5 x 7'4 | 11,023 |
| SL 280(M) | MACHINE | 14' x 7'7 x 6'10 | 13,029 |
| SL 280L | MACHINE | 16'5 x 7'5 x 7'4 | 13,228 |
| SL 3500 | MACHINE | 17'3 x 7'7 x 8' | 20,613 |
| SL 4500 | MACHINE | 17'9 x 7'7 x 8' | 21,980 |
| SL4500L | MACHINE | 21' x 7.5' x 8.4' | 32,017 |
| SL4500L | CONVEYOR | 16'x7.5'x6' | 2,028 |
| SL 5500 | MACHINE | 23.2'x7.5'8.5' | 41,887 |
| SL 5500 | CONVEYOR | 19'x7.5'6.5' | 8,818 |

| 10/1/2018 MACHINE MODEL | KVA | AMPS @ 220 | Coolant | Slideways | Hyd. Unit | ansmissio | Chuck | Oil for Air |
|---|---|---|---|---|---|---|---|---|
| **SL 15** | 20 | 52 | 31.7 gal | 0.79 gal | 3.7 gal | N/A | | N/A |
| **SL 15M** | 20 | 52 | 31.7 gal | 0.79 gal | 3.7 gal | N/A | | 6 oz |
| **SL 20** | 20 | 52 | 31.7 gal | 0.79 gal | 3.7 gal | N/A | | N/A |
| **SL 26** | 25 | 66 | 31.7 gal | 0.79 gal | 3.7 gal | N/A | sw-10 | N/A |
| **SL 26M** | 25 | 66 | 31.7 gal | 0.79 gal | 3.7 gal | N/A | lithium | 6 oz |
| **SL 15YS** | 30 | 79 | 45 gal | 0.79 gal | 3.7 gal | N/A | | 6 oz |
| **SL 20YS** | 30 | 79 | 45 gal | 0.79 gal | 3.7 gal | N/A | | 6 oz |
| **SL 200** | 25 | 66 | 53 gal | 0.79 gal | 3.7 gal | N/A | | N/A |
| **SL 260** | 25 | 66 | 53 gal | 0.79 gal | 3.7 gal | N/A | .2 OZ | N/A |
| **SL 280** | 25 | 66 | 53 gal | 0.79 gal | 3.7 gal | N/A | | N/A |
| **SL 280L** | 25 | 66 | | 0.79 gal | 3.7 gal | N/A | | N/A |
| **SL 260M** | 40 | 105 | 53 gal | 0.79 gal | 3.7 gal | N/A | | 6 oz |
| **SL 280M** | 40 | 105 | 53 gal | 0.79 gal | 3.7 gal | N/A | | 6 oz |
| **SL 3500** | 60 | 157 | 153 | 0.79 gal | 33 gal | 5.2 gal | | N/A |
| **SL 4500** | 60 | 157 | 179 | 0.79 gal | 33 gal | 5.2 gal | | N/A |
| **SL 5500** | 75 | 197 | 206 | 0.79 gal | 33 gal | 5.2 gal | | N/A |
| | | | | Shell Oil T68 | Mobil DTE | obil Oil Lig | grease | DTE Light |
| | | | | Mobil Vactra#2 | 24 | ISO VG 32 | daily | check daily |
| | | | | check daily | check daily | check daily | | |

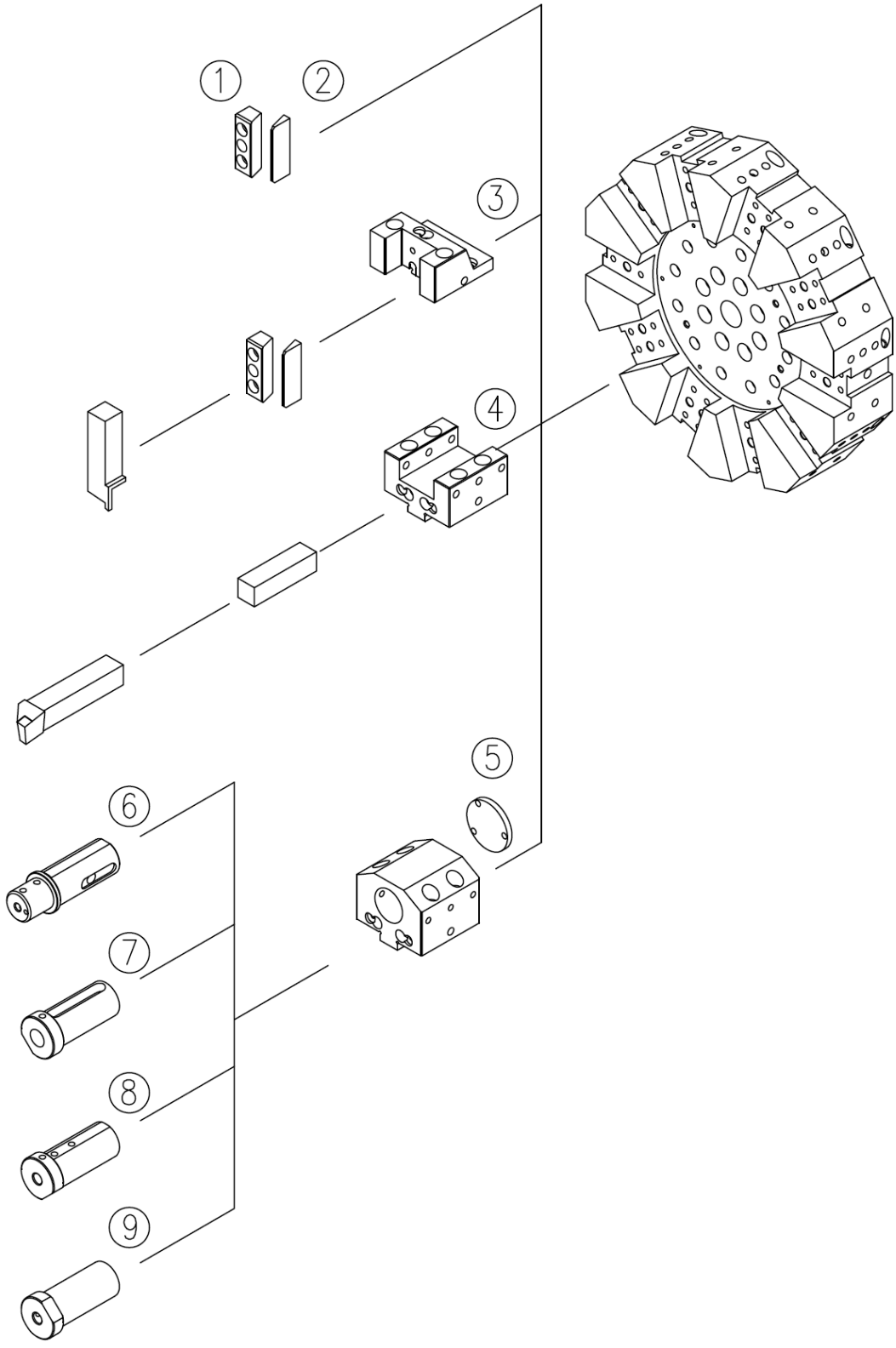



Fig 2.7.1.3 Tooling system

*The information of tooling system please refer to Ch. 7.1.2
*For 360mm width turret head only.
*12 st. turret part no. is CY-3804 or CY-38A4.
*10 st. turret part no. is CY-3904 or CY-39A4.

| No. | Part Name | Metric Part No. | Size (mm) | British Part No. | Size (inch) | 10st. Qty | 12st. Qty |
|---|---|---|---|---|---|---|---|
| 1 | Clamp piece | CV-3045 | | CV-3045 | | 5 | 6 |
| 2 | Clamp piece | CV-3046 | | CV-3046 | | 5 | 6 |
| 3 | Cut-off tool holder | CY-3808 | □25 | CY-38A8 | □1 | 1 | 1 |
| 4 | Face Cutting Tool Holder | CY-3807 | □25 | CY-38A7 | □1 | 1 | 1 |
| 5 | Boring Bar Holder / Throw-away Drill Holder | CY-3806 | $\phi$ 40 | CY-38A6 | $\phi$ 1.5 | 5 | 6 |
| 6 | Boring Bar Sleeve | CJ-3016S | $\phi$ 8 | CJ-3112D | $\phi$ 0.25 | 1 | 1 |
| | | CJ-3016R | $\phi$ 10 | CJ-3112C | $\phi$ 0.375 | 1 | 1 |
| 7 | Boring Bar Sleeve | CJ-3016A | $\phi$ 12 | CJ-3112A | $\phi$ 0.5 | 1 | 1 |
| | | CJ-3016B | $\phi$ 16 | CJ-3112B | $\phi$ 0.625 | 1 | 1 |
| | | CJ-3014A | $\phi$ 20 | CJ-3110A | $\phi$ 0.75 | 1 | 1 |
| | | CJ-3014B | $\phi$ 25 | CJ-3110B | $\phi$ 1 | 1 | 1 |
| | | CJ-3014C | $\phi$ 32 | CJ-3110C | $\phi$ 1.25 | 1 | 1 |
| 8 | Throw-away Drill Socket | CV-3203A | $\phi$ 16 | CV-3204A | 1 | 1 | 1 |
| | | CV-3203B | $\phi$ 20 | CV-3204B | 1.25 | 1 | 1 |
| | | CV-3203C | $\phi$ 25 | -- | -- | 1 | 1 |
| | | CV-3203D | $\phi$ 32 | -- | -- | 1 | 1 |
| 9 | Boring Bar Sleeve | CJ-3010 | MT2 | CJ-3107 | MT2 | 1 | 1 |
| | | CJ-3011 | MT3 | CJ-3113 | MT3 | 1 | 1 |

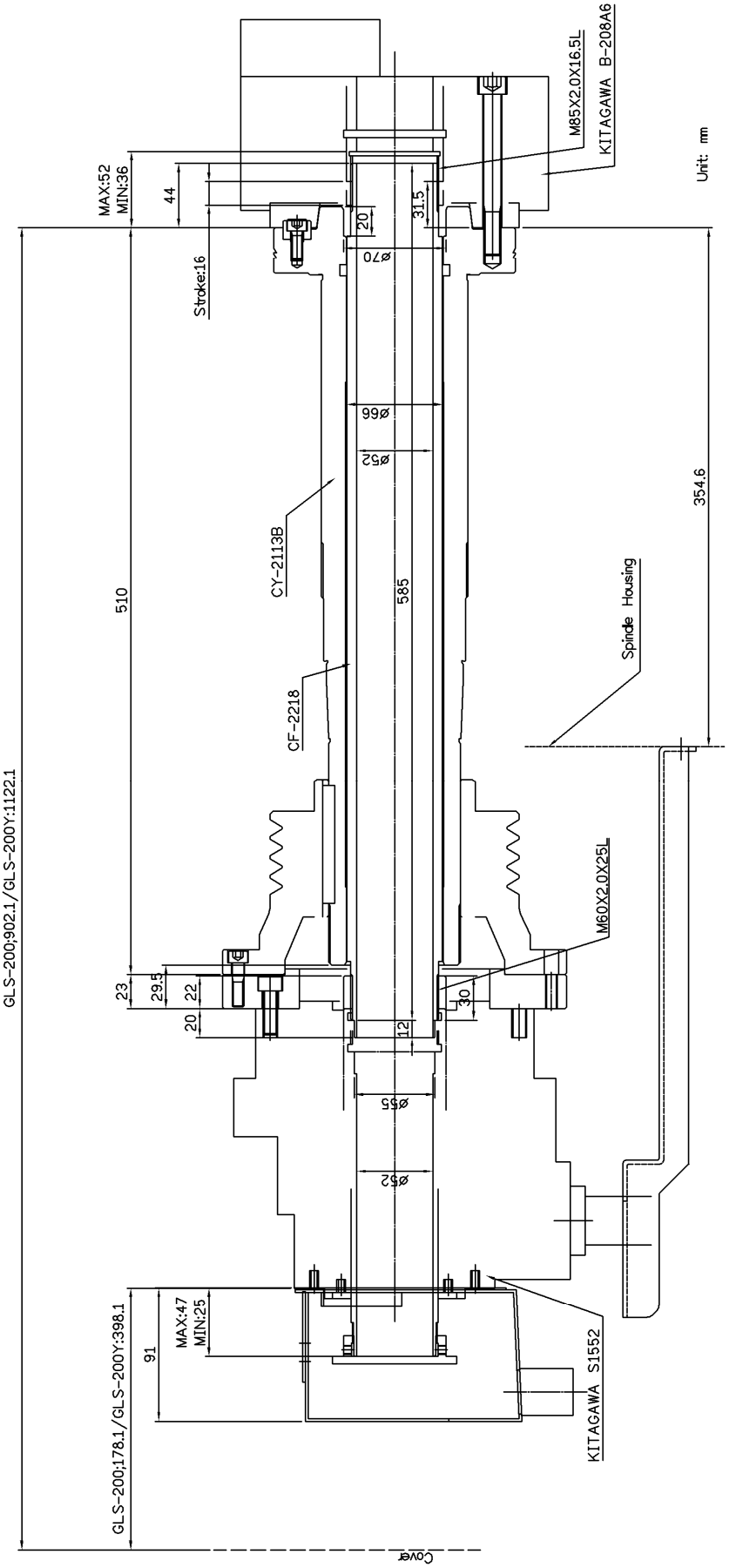

Unit: mm
M85X2.0X16.5L
KITAGAWA B-208A6
MAX:52
MIN:36
44
Stroke:16
20
31.5
ø70
ø66
ø52
354.6
CY-2113B
585
510
Spinde Housing
CF-2218
M60X2.0X25L
23
29.5
22
20
30
12
ø55
ø52
GLS-200;902.1/GLS-200Y:1122.1
MAX:47
MIN:25
91
GLS-200;178.1/GLS-200Y:398.1
KITAGAWA S1552
Cover

Fig. 2.6.6