

“DAEHAN PRECISION Industry CO., LTD ”

The Best Services for Hydraulic Fittings and Hose Assembly and Others

3Q “Quenching-Qualify-Quality”

Company Introduction

Operating for Integration Smart System

Y2024 Motto “Organization will be in all process through best collaboration and communication ” Date : Jan. 2024

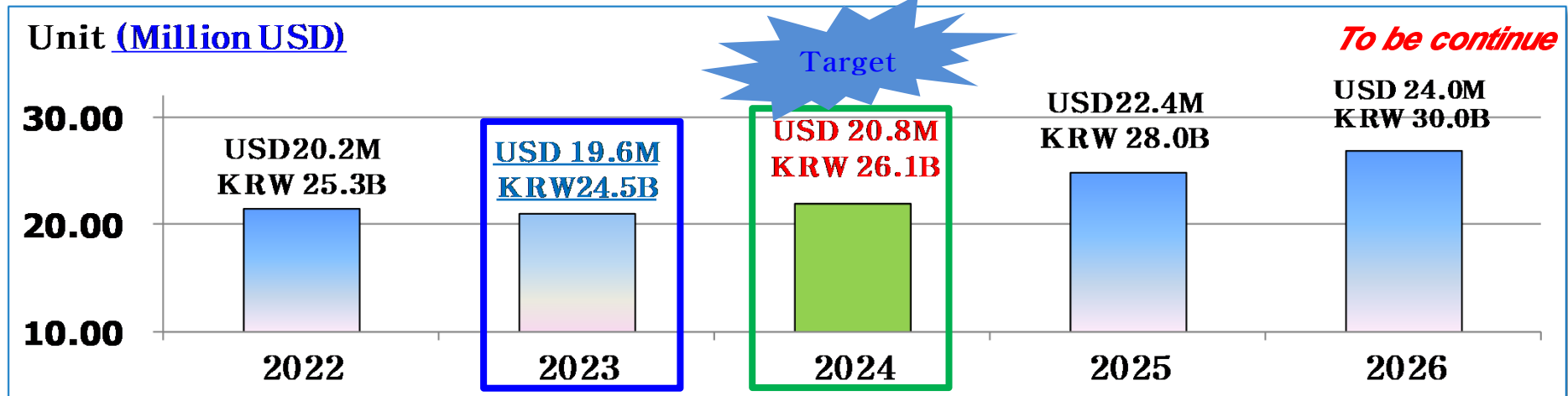
| . The History of DAEHAN

3Q “Quenching-Qualify-Quality”

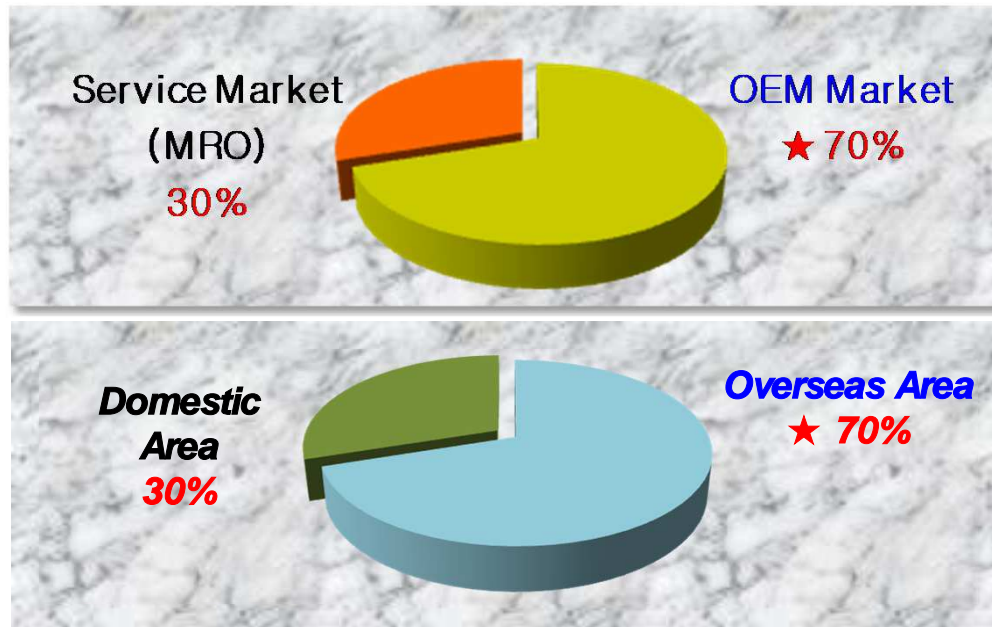
| | | |
|------------|---|--|
| 2023. Oct. | Be broadcast by Arirang TV to 173 nations in the world |  |
| 2022. Oct. | Be completed to Smart Factory Integration System in 1st Factory | |
| 2022. Apr. | Be selected of Global IP Star Enterprise. |  <p>2nd Factory 2022~</p> |
| 2022. Feb. | Established in 2nd Machining Factory | |
| 2021. Jul. | Be selected of “The business of building advanced Smart Factory” | |
| 2021. Apr. | as “Global Small Giant Company of Korea” | |
| 2021. Feb. | Achieved of “The Enterprise of a Root Company” |  <p>Trade & Retail Shop</p> <p>Shop 2018~</p> |
| 2020. Oct. | Award a prize from Government “Industrial Service Merit” | |
| 2020. Jan. | Awarded a prize from Bridgestone , “Best Supplier 2019” |  <p>Headquarter</p> <p>1st Factory 2006~</p> |
| 2017. Dec. | Received an award of “USD10 Million Export Tower” | |
| 2015. Dec. | Achieved the certificate of ISO 9001 by DNV- GL “From Drawing to Manufacturing of Hose Fitting” | |
| 2015. Mar. | Starting New Business of “Cold Forging Production” for having a competitive price on the raw material. | |
| 2011. Dec. | Received the prize of “KOREA PRESIDENT” from Government |  <p>Figure 1990~2005</p> |
| 2007. Apr. | Export to 8 overseas countries for “America, Australia, Canada, China, Indonesia, Japan, Peru, Singapore” | |
| 2004. Apr. | Starting export to “Bridgestone FLOWTECH in Japan” | |
| 2001. Jun. | Achieved the certificate of ISO9001/14001 | |
| 1990. Mar. | Established DAEHAN Precision Industry | |

A. Annual Revenue chart and plan(5 years)

Accumulated Export Amount until 2022 : 194Million USD



B. Customer's Tendency & Rate for sales area



OEM Market means,

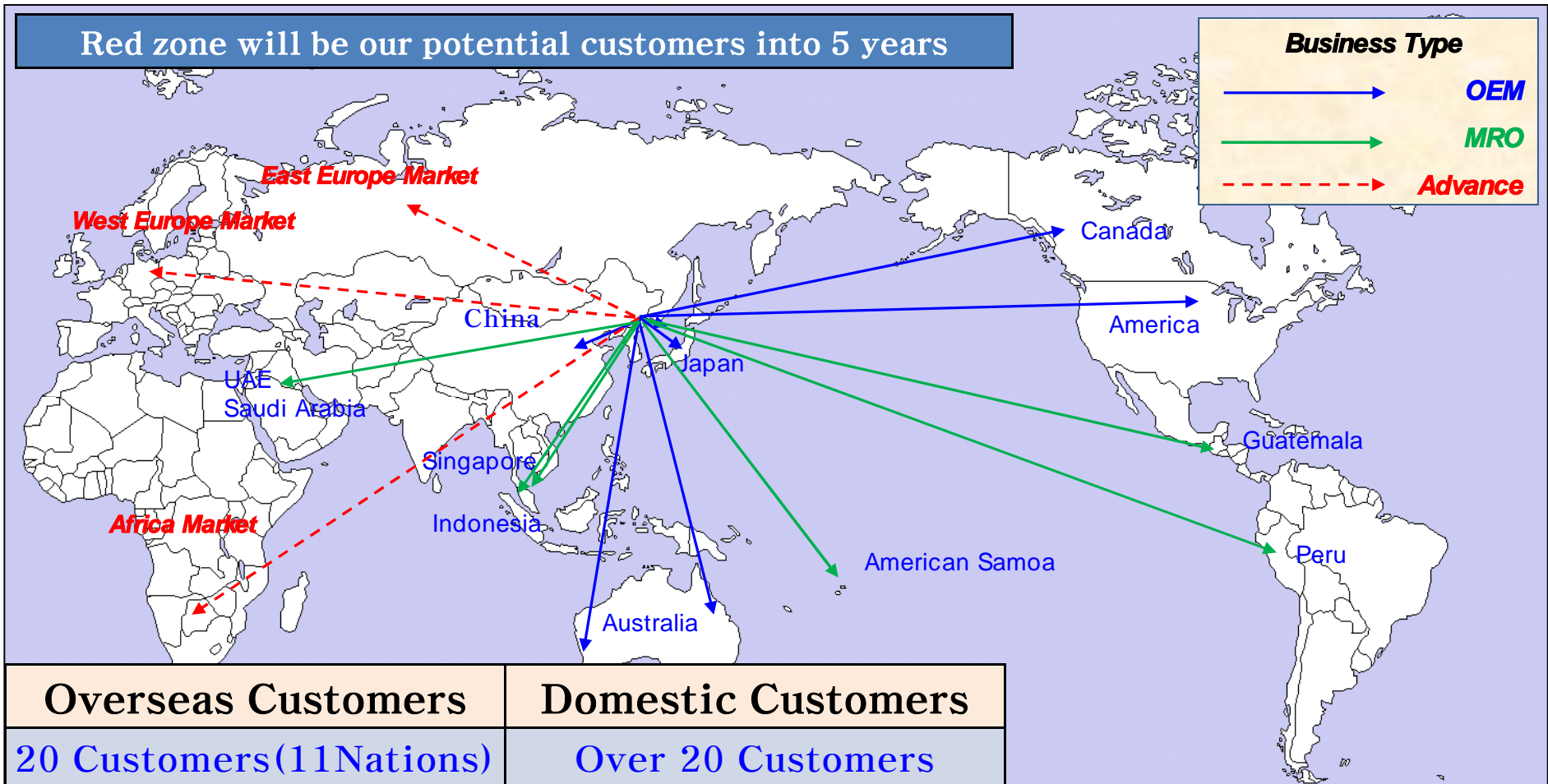
“Excavator, Fork lifts, Hydraulic unit and Cranes manufacturer can be used by our fittings through hose assembly company” **DH supply with fittings.**

MRO Market means,

“Machinery that is working in the field required by quick maintenances when it was out of order, then service shop support to repair it using by hose and fittings” **DH supply with fittings.**

III - 1. The Current Business Zone/Route

3Q “Quenching-Qualify-Quality”





| Type | Picture | What is The WIN-Win Partnership? |
|--------------------------------------|---|---|
| OEM Customers |     | <ul style="list-style-type: none"> ▶ Having increased market share and end user . ▶ Having expanded their product range which has a technical problems. Ex)Welding Bend → Mono Bending Products ▶ Having decreased customer’ s claim and benefits on the prices, improving the management loss. ▶ Having easy solution to delivery issue. <p>Therefore, DAEHAN have a growth on sales turnover for many years and be able to expend the hose assembly business through was educated by Customers.</p> |
| MRO Wholesale Shop Service Customers |     | <ul style="list-style-type: none"> ▶ Having increased market share in the every year around 10% on the service area. ▶ Having developed special products which their customer was required through DAEHAN ▶ Changed their products from another supplier to DAEHAN owe to get a quality reliability. ▶ Having improved their delivery period from over 90days to into 60days. <p>Therefore, DAEHAN raised up together to the sales turnover and capability of development, being firm of business policy and mind with pleasure.</p> |

A Producing the raw material of Cold forging in plant

Strong Technical Point :

“From Mold Drawing to Production by ourselves”



| Machinery | Capable Range | Main Size | Capacity | Main End User |
|--|---|---|--|---|
|  | <ul style="list-style-type: none"> ▶ 650 : 6 Step(1PCS) ▶ Round \varnothing 32MM*L100 ▶ HEX 30MM*L100 | <ul style="list-style-type: none"> ▶ Nipple: Hex 22*L75 Hex 27*L95 Hex 30*L100 ▶ Ferrule: \varnothing 28*35 ▶ Nut : H32*L28 | 20,000Pcs / Day 5Million Pcs / Year | Cat, Komatsu, Hitachi, Kobelco, Kubota, Yanmar, Iseki, Kato |
|  | <ul style="list-style-type: none"> ▶ 136 : 6 Step(1PCS) ▶ Round \varnothing 24MM*L70 ▶ HEX 22MM*L70 | <ul style="list-style-type: none"> ▶ Nipple: Hex 19*L55 Hex 17*L52 ▶ Ferrule: \varnothing 23*L25 ▶ Nut: H22*L25 H19*L22 | 24,000Pcs / Day 6Million Pcs / Year | Kubota, Yanmar, Volvo, Doosan, Agriculture Machinery Dongyang, SENTEC STC |





“DAEHAN has been produced the raw material of cold forging with exclusive machinery”

“We can get a competitive cost of material than others approximately 8% cheaper”

B. Operating Automatic Production Mechanism

Strong Point- 1 : Automatic Production rate 70%

“Productivities will be higher than others around 10% operating by Automatically ”

| Machinery | Machine Name | Quantity | Capacity | Main Production Item |
|---|---|---|-------------------------------------|---|
|  | <ul style="list-style-type: none"> ▶ CNC/MCT Machine ▶ Size : 1/8” ~ 2-1/2” *L480 | 88Pcs (In Plant) 60Pcs (Outside) Total 126Pcs | 75,000Pcs/Day 20Million Pcs/Year | Nipple Ferrule (Sleeve, Socket) Flange Mining Flange |
|  | <ul style="list-style-type: none"> ▶ AUTO CNC ▶ Size 1/8” ~ 1/2 ” | 2 Pcs (In Plant) 4Pcs (Outside) | 7,000Pcs/Day 2Million Pcs/Year | Nipple Ferrule (Sleeve, Socket) |
|  | <ul style="list-style-type: none"> ▶ Laser M/C All size ▶ Roll/Manual 1/8” ~ 2-1/2” | 3Pcs 5Pcs | Over 20Million / Year | All Products |
|  | <ul style="list-style-type: none"> ▶ A high frequency Fire Flame M/C ▶ Bending M/C (1/8” ~ 2”) | 2Pcs 3Pcs 7Pcs | 4Million / Year | Bending Products Bending Radios 22.5 ° ~ 120 ° |

Strong Point- 2 : *DH’s Bending process has used by “Mandrel Tool put inner hole for working bending products” for procuring an equivalent dimension to thickness or radius.*

C. We built “The supply system of Hose Assembly Products”

Strong Point : “Possible for One- Stop System for customer.”

“DH can manufacture from raw material, hose fitting to Hose assembly”

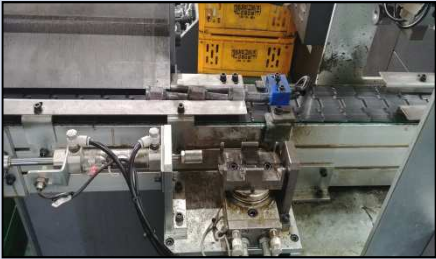
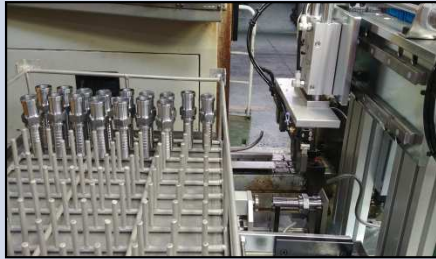



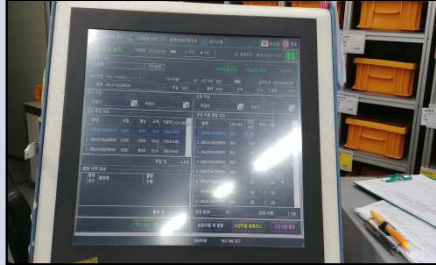


| Classify | Hose Assembly Machine | Hose Maker & Plan | Product Range |
|------------|---|---|--|
| Hose |  | SENTEC, STC, PARKER, EATON, BRIDGESTONE, HANSA-FLEX, ALFACOMMA GATES | One Piece Type Two Piece Type 1/4” ~ 2” |
| Cutting |  | TAEJIN PINN POWER (Plan 2019) | Current 1 piece Plan to purchase 1 pieces 2019 |
| Hose Crimp |  | TAEJIN PINN POWER 120 (Plan 2019) | Current 1 piece Plan to purchase 1 pieces 2020 |

D. Special Quality management & Inspection system **uniquely**

Strong Point : Below system are managing by DH only.

“These unique system makes DH distinct and attractive from customers”

| Position | Automatic Material Inspection | | Automatic Final Product Inspection | |
|-------------------|---|--|---|---|
| CNC |  | Assuring Point “Mixed Problem” |  | Assuring Point “Human Error” |
| CNC & Inspect | Loading by Special Rack | | Checking Material & Plating | |
| |  | Assuring Point “Wound & Scratch Protection” |  | Assuring Point “Material crack & The Plating peel-off Check” |
| Inspect & Packing | Additional dryer system | | Lot Management System | |
| | Additional Dryer is operating In plant one more.  | Assuring Point “Adhesion Complementation” |  | Assuring Point “Manufacturing history & Lot traceability” |

V - 1. Available Products Range(Hose)

3Q “Quenching-Qualify-Quality”

High Pressure Hydraulic Hose(SAE 100R1/R2/R12/R13/R15)

DAEHAN PRECISION
INDUSTRY CO., LTD.

SAE 100 R1AT

(ISO1436 1SN / EN 853 1SN)



| HOSE SPECIFICATION | | | | | | | | | | | Min Bend Radius | | Weight (Kg/M) |
|--------------------|-------|----|------|------|------|------|------------------|-------|----------------|--------|-----------------|-------|------------------|
| SIZE | INCH | DN | ID | | OD | | Working Pressure | | Burst Pressure | | | | |
| | | | mm | inch | mm | inch | Bar | PSI | Bar | PSI | | | |
| 4 | 1/4 | 6 | 6.4 | 0.25 | 13.2 | 0.52 | 225 | 3,270 | 901 | 13,080 | 100 | 3.94 | 0.22 |
| 5 | 5/16 | 8 | 7.9 | 0.31 | 15.0 | 0.59 | 215 | 3,120 | 860 | 12,480 | 115 | 4.53 | 0.28 |
| 6 | 3/8 | 10 | 9.5 | 0.37 | 17.1 | 0.67 | 180 | 2,610 | 719 | 10,440 | 125 | 4.92 | 0.30 |
| 8 | 1/2 | 12 | 12.7 | 0.50 | 20.3 | 0.80 | 160 | 2,320 | 639 | 9,280 | 180 | 7.09 | 0.39 |
| 10 | 5/8 | 16 | 15.9 | 0.63 | 23.8 | 0.94 | 130 | 1,890 | 521 | 7,560 | 205 | 8.07 | 0.50 |
| 12 | 3/4 | 19 | 19.0 | 0.75 | 27.5 | 1.08 | 105 | 1,520 | 419 | 6,080 | 240 | 9.45 | 0.64 |
| 16 | 1 | 25 | 25.4 | 1.00 | 35.2 | 1.39 | 88 | 1,280 | 353 | 5,120 | 300 | 11.81 | 0.83 |
| 20 | 1-1/4 | 31 | 31.8 | 1.25 | 43.4 | 1.71 | 62 | 900 | 248 | 3,600 | 420 | 16.54 | 1.20 |
| 24 | 1-1/2 | 38 | 38.1 | 1.50 | 49.5 | 1.95 | 51 | 740 | 204 | 2,960 | 500 | 19.69 | 1.50 |
| 32 | 2 | 51 | 50.8 | 2.00 | 62.2 | 2.45 | 40 | 580 | 160 | 2,320 | 630 | 24.80 | 1.95 |

Construction Inner tube : Hydraulic oil and water resistant synthetic rubber
Reinforcement : High tensile steel wire single braid
Outer cover : Oil, weather and abrasion resistant synthetic rubber

Application For hydraulic system service with petroleum and water base fluids (For air application, the outer cover shall be "Pin-Pricked")

Equipment Specially equipped vehicle, Fork lift, Heavy equipment, Syringe agriculture machines, Hydraulic piping line(Machine tool, Catapult)

Range of Temperature -40℃ ~ +100℃ (-40℉ ~ +212℉)

DAEHAN PRECISION
INDUSTRY CO., LTD.

SAE 100 R2AT

(ISO1436 2SN / EN 853 2SN)



| HOSE SPECIFICATION | | | | | | | | | | | Min Bend Radius | | Weight (Kg/M) |
|--------------------|-------|----|------|------|------|------|------------------|-------|----------------|--------|-----------------|-------|------------------|
| SIZE | INCH | DN | ID | | OD | | Working Pressure | | Burst Pressure | | | | |
| | | | mm | inch | mm | inch | Bar | PSI | Bar | PSI | | | |
| 4 | 1/4 | 6 | 6.4 | 0.25 | 14.6 | 0.57 | 400 | 5,800 | 1,598 | 23,200 | 100 | 3.94 | 0.34 |
| 5 | 5/16 | 8 | 7.9 | 0.31 | 16.7 | 0.66 | 350 | 5,080 | 1,400 | 20,320 | 115 | 4.53 | 0.40 |
| 6 | 3/8 | 10 | 9.5 | 0.37 | 18.7 | 0.74 | 330 | 4,790 | 1,320 | 19,160 | 125 | 4.92 | 0.45 |
| 8 | 1/2 | 12 | 12.7 | 0.50 | 22.0 | 0.87 | 275 | 3,990 | 1,100 | 15,960 | 180 | 7.09 | 0.62 |
| 10 | 5/8 | 16 | 15.9 | 0.63 | 25.3 | 1.00 | 250 | 3,630 | 1,000 | 14,520 | 205 | 8.07 | 0.74 |
| 12 | 3/4 | 19 | 19.0 | 0.75 | 29.0 | 1.14 | 215 | 3,120 | 860 | 12,480 | 240 | 9.45 | 0.90 |
| 16 | 1 | 25 | 25.4 | 1.00 | 37.0 | 1.46 | 165 | 2,390 | 659 | 9,560 | 300 | 11.81 | 1.22 |
| 20 | 1-1/4 | 31 | 31.8 | 1.25 | 45.2 | 1.78 | 127 | 1,840 | 507 | 7,360 | 420 | 16.54 | 1.72 |
| 24 | 1-1/2 | 38 | 38.1 | 1.50 | 51.5 | 2.03 | 91 | 1,320 | 364 | 5,280 | 500 | 19.69 | 2.10 |
| 32 | 2 | 51 | 50.8 | 2.00 | 64.0 | 2.52 | 81 | 1,170 | 322 | 4,680 | 630 | 24.80 | 2.60 |

Construction Inner tube : Hydraulic oil and water resistant synthetic rubber
Reinforcement : High tensile steel wire double braid
Outer cover : Oil, weather and abrasion resistant synthetic rubber

Application For hydraulic system service with petroleum and water base fluids (For air application, the outer cover shall be "Pin-Pricked")

Equipment Specially equipped vehicle, Fork lift, Heavy equipment, Syringe agriculture machines, Hydraulic piping line(Machine tool, Catapult)

Range of Temperature -40℃ ~ +100℃ (-40℉ ~ +212℉)

DAEHAN PRECISION
INDUSTRY CO., LTD.

SAE 100 R12

(ISO3862-1 R12 / EN 856 R12)



| HOSE SPECIFICATION | | | | | | | | | | | | | |
|--------------------|-------|----|------|------|------|------|------------------|-------|----------------|--------|-----------------|-------|---------------|
| SIZE | INCH | DN | ID | | OD | | Working Pressure | | Burst Pressure | | Min Bend Radius | | Weight (Kg/M) |
| | | | mm | inch | mm | inch | Bar | PSI | Bar | PSI | mm | inch | |
| 6 | 3/8 | 10 | 9.7 | 0.38 | 20.1 | 0.79 | 448 | 6,500 | 1,791 | 26,000 | 62 | 2.44 | 0.70 |
| 8 | 1/2 | 12 | 12.7 | 0.50 | 23.4 | 0.92 | 413 | 6,000 | 1,654 | 24,000 | 90 | 3.54 | 0.88 |
| 10 | 5/8 | 16 | 16.0 | 0.63 | 28.2 | 1.11 | 413 | 6,000 | 1,654 | 24,000 | 100 | 3.94 | 1.03 |
| 12 | 3/4 | 19 | 19.0 | 0.75 | 31.0 | 1.22 | 276 | 4,000 | 1,102 | 16,000 | 120 | 4.72 | 1.40 |
| 16 | 1 | 25 | 25.0 | 0.98 | 38.0 | 1.50 | 276 | 4,000 | 1,102 | 16,000 | 150 | 5.91 | 1.99 |
| 20 | 1-1/4 | 31 | 31.8 | 1.25 | 46.5 | 1.83 | 310 | 4,500 | 1,240 | 18,000 | 210 | 8.27 | 2.44 |
| 24 | 1-1/2 | 38 | 38.1 | 1.50 | 53.8 | 2.12 | 276 | 4,000 | 1,102 | 16,000 | 250 | 9.84 | 3.12 |
| 32 | 2 | 51 | 50.8 | 2.00 | 67.1 | 2.64 | 276 | 4,000 | 1,102 | 16,000 | 320 | 12.60 | 4.18 |

Construction Inner tube : Synthetic rubber tube / Reinforcement : 4-spiral steel wire
Outer cover : Synthetic rubber cover, MSHA accepted

Application Hydraulic system service with petroleum and water-base fluids, for general industrial use.

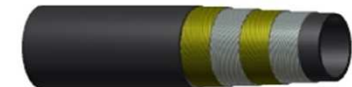
Equipment Fork lift, Heavy equipment, Press, Hydraulic piping line(Catapult)

Range of Temperature -40℃ ~ +125℃ (-40℉ ~ +257℉)

DAEHAN PRECISION
INDUSTRY CO., LTD.

SAE J1942

(ISO3862-1 4SP / EN 856 4SP)



| HOSE SPECIFICATION | | | | | | | | | | | | | |
|--------------------|-------|----|------|------|------|------|------------------|-------|----------------|--------|-----------------|-------|---------------|
| SIZE | INCH | DN | ID | | OD | | Working Pressure | | Burst Pressure | | Min Bend Radius | | Weight (Kg/M) |
| | | | mm | inch | mm | inch | Bar | PSI | Bar | PSI | mm | inch | |
| 20 | 1-1/4 | 31 | 31.5 | 1.24 | 45.0 | 1.77 | 324 | 4,700 | 1,295 | 18,800 | 460 | 18.11 | 2.96 |
| 24 | 1-1/2 | 38 | 38.0 | 1.50 | 53.0 | 2.09 | 289 | 4,200 | 1,158 | 16,800 | 560 | 22.05 | 3.20 |
| 32 | 2 | 51 | 51.0 | 2.01 | 68.0 | 2.68 | 248 | 3,600 | 992 | 14,400 | 700 | 27.56 | 5.30 |

Construction Inner tube : Synthetic rubber tube / Reinforcement : 4-spiral steel wire
Outer cover : Synthetic rubber cover

Application Petroleum base hydraulic fluid and lubricating oils.

Equipment Fork lift, Heavy equipment, Press, Hydraulic piping line(Catapult)

Range of Temperature -40℃ ~ +100℃ (-40℉ ~ +212℉)

DAEHAN PRECISION
INDUSTRY CO., LTD.

SAE 100 R13

(ISO3862-1 R13 / EN 856 R13)



| HOSE SPECIFICATION | | | | | | | | | | | | | |
|--------------------|------|----|------|------|------|------|------------------|-------|----------------|--------|-----------------|-------|---------------|
| SIZE | INCH | DN | ID | | OD | | Working Pressure | | Burst Pressure | | Min Bend Radius | | Weight (Kg/M) |
| | | | mm | inch | mm | inch | Bar | PSI | Bar | PSI | mm | inch | |
| 12 | 3/4 | 19 | 19.0 | 0.75 | 32.0 | 1.26 | 345 | 5,000 | 1,378 | 20,000 | 240 | 9.45 | 1.59 |
| 16 | 1 | 25 | 25.0 | 0.98 | 39.0 | 1.54 | 345 | 5,000 | 1,378 | 20,000 | 300 | 11.81 | 2.20 |

Construction Inner tube : Synthetic rubber tube / Reinforcement : 4 or 6-spiral steel wire
Outer cover : Synthetic rubber abrasion resistant, MSHA accepted

Application Petroleum base hydraulic fluid and lubricating oils.

Equipment Fork lift, Heavy equipment, Press, Hydraulic piping line(Catapult)

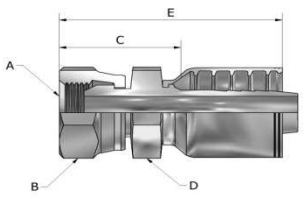
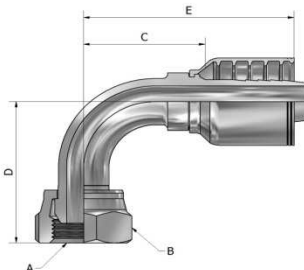
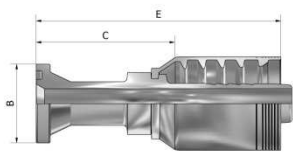
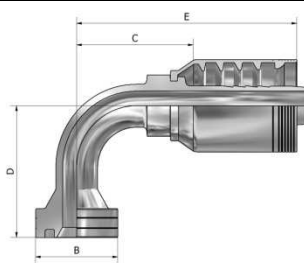
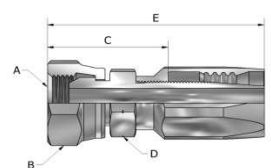
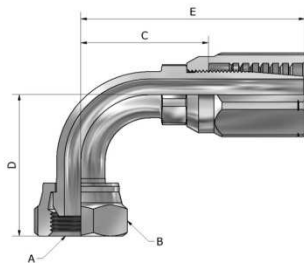
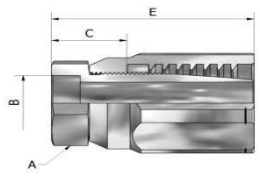
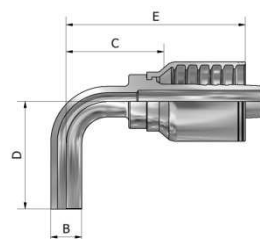
Range of Temperature -40℃ ~ +125℃ (-40℉ ~ +257℉)

► Join Venture Hose Company : SENTEC, STC Hose, Sempert (Rivalit) Hose by DAEHAN Branding

Y2024 Motto “Organization will be in all process through best collaboration and communication ”

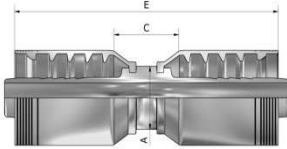
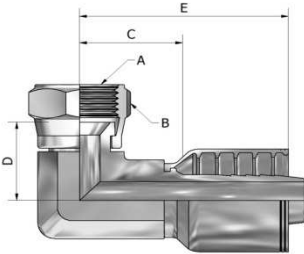
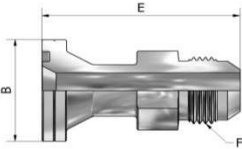
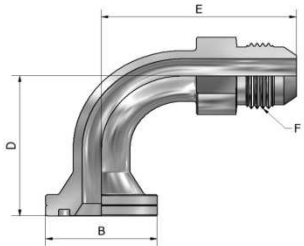
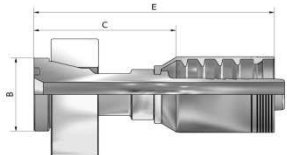
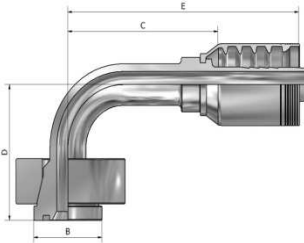
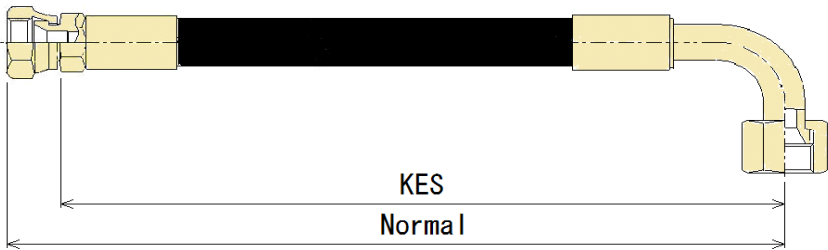
V - 2. Available Products Range(SAE 100R1/R2)

3Q “Quenching-Qualify-Quality”

| Name | Type | Straight | Elbow | Size | Applicable Hose | Applicable Machinery |
|------------|-------------------------------|---|--|------------------|---|---|
| Hose Tails | Nipple |  |  | 3/16” ~ 2” | SAE 100 R1 SAE 100 R2 SAE 100 R8 SAE 100 R12 SAE 100 R13 SAE 100 R15 SAE 100 R16 SAE 100 R19 | Excavator Fork Lift Agriculture Crane Marine Knuckle Industry |
| | Flange |  |  | 1/2” ~ 2” | SAE 100 R1 SAE 100 R2 SAE 100 R8 SAE 100 R12 SAE 100 R13 SAE 100 R15 SAE 100 R16 SAE 100 R19 | Excavator Fork Lift Agriculture Crane Marine Knuckle Industry |
| | Field Attachable (Reusable) |  |  | 3/16” ~ 2” | SAE 100 R1 SAE 100 R2 SAE 100 R5 | Excavator Fork Lift Agriculture Crane |
| | Life Savor & Stand Pipe |  |  | 3/16” ~ 2” | SAE 100 R1 SAE 100 R2 SAE 100 R12 | Grease Hammer Union KOMATSU CAT |

V - 3. Available Products Range

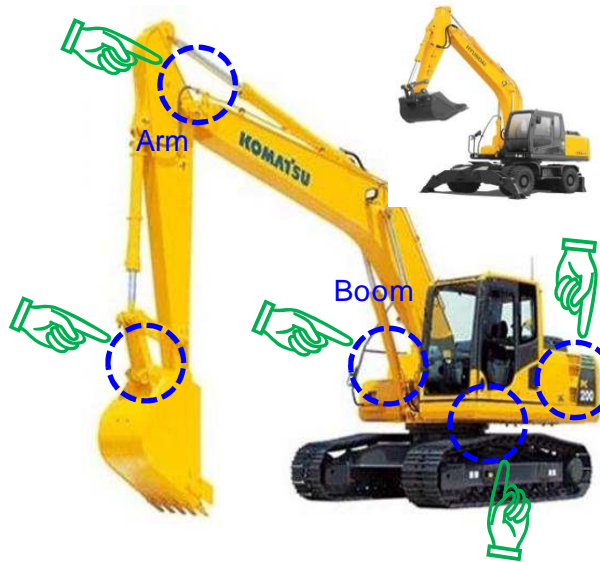
3Q “Quenching-Qualify-Quality”

| Product | Type | Straight | Elbow | Hose Size | Applicable Hose | Applicable Machinery |
|---------------------|--|--|---|------------------|--|--|
| Hose Tail | Hose Joiner & JIC Female Elbow |  |  | 3/16” ~ 1” | SAE 100 R1 SAE 100 R2 SAE 100 R12 | Excavator Fork Lift Agriculture Crane |
| Adaptor | Code 61 Code 62 Flange JIC ORFS |  |  | 1/2” ~ 2” | CODE 61 CODE 62 | Excavator Fork Lift Agriculture Crane Marine |
| Mining Taper Flange | Heavy Duty Mining |  |  | 1” ~ 2” | SAE 100 R13 SAE 100 R15 GH506 | Mining Machinery |
| Hose Assembly |  | | | 1” ~ 2” | SAE 100 R1 SAE 100 R2 SAE 100 R12 SAE 100 R13 | SENTEC STC HOSE EATON PARKER SEMPERIT ALFACOMMA |

A Crawler & Wheel Type Excavator

| Front Cylinder Parts | |
|----------------------|---------------------|
| Hose(4/6Spiral) | 100R12/13/15 |
| W/P(psi) | Over 6,000psi |
| DH Fitting Series | DH-5/6/7Series |
| DH Capability | All fittings & Hose |

| Type | One Piece(Main) Two Piece(Part) |
|---------|------------------------------------|
| Species | Straight Elbow 22.5/45/90 ° |
| Size | 1/8” ~ 2” |



| Swing Motor & C/Valve Parts | |
|-----------------------------|---------------------|
| Hose(W/Braid) | 100R1/2 |
| W/P(psi) | 2000~5,000psi |
| DH Fitting Series | DH-1/2/3Series |
| DH Capability | All fittings & Hose |

| Engine & Main Pump | |
|--------------------|----------------|
| Hose(Wire Braid) | 100R1/2 |
| W/P(psi) | 1000~4,000psi |
| DH Fitting Series | DH-1/2/3Series |
| DH Capability | All fittings |



Application Customer

Customers,

- ◆ Domestic [DH Design] DOOSAN ,VOLVO KOREA, HYUNDAI
- ◆ Overseas OEM [Customer's Design] : KOMATSU, HITACHI, KOBELKO, CAT.
- ◆ Overseas OEM [DH Design] : KUBOTA, YANMAR, ISEKI, ETC.

Through Hose Assembly or Service

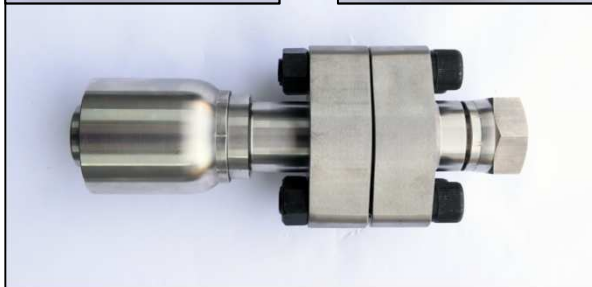
Applicable Hose

SENTEC, STC, EATON- AEROQUIP,
PARKER- SEL, ALFACOMMA, BRIDGESTONE, YOKOHAMA, SEMPRIIT

B. Coal Mining Machinery

| Taper Lock Flange & Caterpillar | |
|---------------------------------|------------------|
| Hose(4/6Spiral) | 100R13/15 |
| W/P | 6,000~10,000psi |
| DH Fitting Series | DH-6/7Series |
| DH Capability | Special Fittings |

| Type | One Piece |
|---------|--------------------------------|
| Species | Straight Elbow 22.5/45/90 ° |
| Size | 3/8” ~ 2” |



| Front Cylinder Parts | |
|----------------------|---------------------|
| Hose(4/6Spiral) | 100R12/13/15 |
| W/P | Over 6,000psi |
| DH Fitting Series | DH-5/6/7Series |
| DH Capability | All fittings & Hose |

| Engine & Main Pump | |
|--------------------|----------------|
| Hose(Wire Braid) | 100R1/2 |
| W/P | 1000~4,000psi |
| DH Fitting Series | DH-1/2/3Series |
| DH Capability | All fittings |

Application Customer

Through Hose Assembly Customers,

“DH’s Original Design”

All Customer which is working at Mining Field.

Applicable Hose

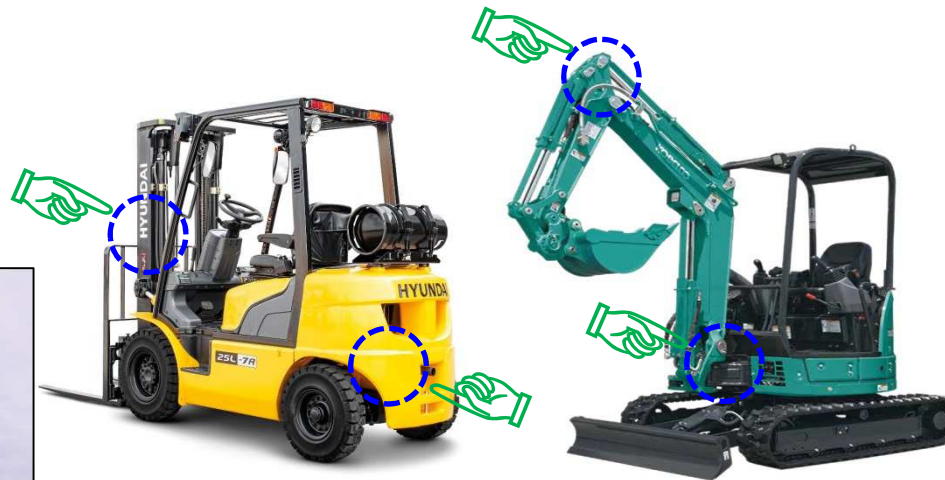
EATON- AREOQUIP, PARKER- SEL

C. Fork Lift & Mini Excavator

| Transfer & C/Valve Parts | |
|--------------------------|---------------------|
| Hose(W/Braid) | 100R1/2 |
| W/P(psi) | 2000~5,000psi |
| DH Fitting Series | DH-1/2/3Series |
| DH Capability | All fittings & Hose |

| | |
|---------|--------------------------------|
| Type | One Piece |
| Species | Straight Elbow 22.5/45/90 ° |
| Size | 1/8” ~ 1/2” |

| Engine & Main Pump | |
|--------------------|----------------|
| Hose(Wire Braid) | 100R1/2 |
| W/P(psi) | 1000~4,000psi |
| DH Fitting Series | DH-1/2/3Series |
| DH Capability | All fittings |



Hose Tail Fitting



Application Customer

Customers,

◆ Domestic [DH Design] : KUBOTA, YANMAR,
CLERK, DOOSAN, HYUNDAI,

Through Service

Applicable Hose

SENTEC, STC, EATON, PARKER&SEL,
ALFACOMMA, SEMPERRIT,
“All Kinds of 1,2 Wire Braids”

D. Agricultural Machinery

| Real Working Functions | |
|------------------------|---------------------|
| Hose(W/Braid) | 100R1/2 |
| W/P(psi) | 2000~5,000psi |
| DH Fitting Series | DH-1/2/3Series |
| DH Capability | All fittings & Hose |

| | |
|---------|--------------------------------|
| Type | One Piece |
| Species | Straight Elbow 22.5/45/90 ° |
| Size | 1/8” ~ 1/2” |

| Engine & Main Pump | |
|--------------------|----------------|
| Hose(Wire Braid) | 100R1/2 |
| W/P(psi) | 1000~4,000psi |
| DH Fitting Series | DH-1/2/3Series |
| DH Capability | All fittings |



Application Customer

Through Hose Assembly

Customers,

- ◆ Domestic [DH Design] : LG, DAEDONG, KUKJAE
- ◆ Overseas : KUBOTA, YANMAR, JOHN DEERE

Applicable Hose

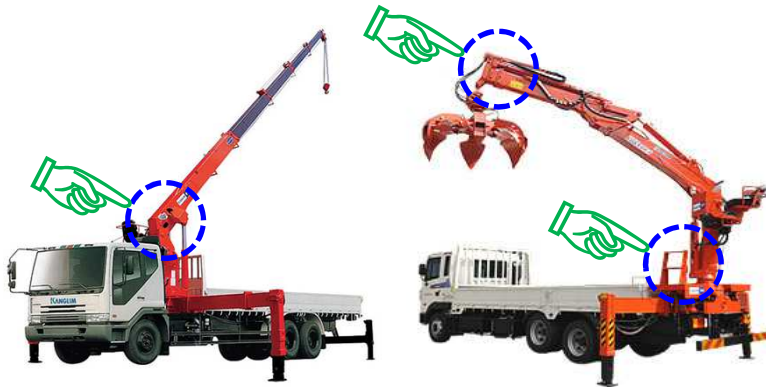
SENTEC, STC, EATON, PARKER&SEL,
ALFACOMMA, SEMPRIT,
“All Kinds of 1,2 Wire Braids”

E Crane Truck & Pump Car & Industrial Machinery

| Real Working Functions | |
|------------------------|---------------------|
| Hose(W/Braid) | 100R1/2 |
| W/P(psi) | 2000~5,000psi |
| DH Fitting Series | DH-1/2/3Series |
| DH Capability | All fittings & Hose |

| | |
|---------|--------------------------------|
| Type | One Piece |
| Species | Straight Elbow 22.5/45/90 ° |
| Size | 1/8” ~ 1/2” |

| Main Pump or Transfer | |
|-----------------------|----------------|
| Hose(Wire Braid) | 100R1/2 |
| W/P(psi) | 1000~4,000psi |
| DH Fitting Series | DH-1/2/3Series |
| DH Capability | All fittings |



Crane Truck/Pump Car



CNC Lathe Machinery



TATA Commercial Truck

Application Customer

◆ Domestic [DH Design] : KWANGLIM, HIABU,
DONGHAE, JUNJIN, EVERDIGM, WOOJIN,
TATA DAEWOO

Applicable Hose

SENTEC, STC, EATON, PARKER&SEL,
ALFACOMMA, SEMPRIT,
“All Kinds of 1,2 Wire Braids
4SH, 4Spiral Hose”

F. Marine Crane & Knuckle Parts & Engine Parts(Stainless Steel)

| Main Cylinder Parts | | Type | One Piece/Two Pieces | Swing & C/Valve Parts | |
|---------------------|---------------------|---------|--------------------------------|-----------------------|---------------------|
| Hose(4/6Spiral) | 100R12/13/15 | Species | Straight Elbow 22.5/45/90 ° | Hose(W/Braid) | 100R1/2 |
| W/P(psi) | Over 6,000psi | | | W/P(psi) | 2000~5,000psi |
| DH Fitting Series | DH-5/6/7Series | Size | 1/8” ~ 1/2” | DH Fitting Series | DH-1/2/3Series |
| DH Capability | All fittings & Hose | | | DH Capability | All fittings & Hose |



Marine Fitting

Material

Stainless 316L, 304L

Applicable Hose

SENTEC, PARKER&SEL
Eaton, Gates
Requiring cert of KR/DNV- GL
ABS,NK,CCS

Reliable Point : “DAEHAN has been used by **Only Korea Maker’s Material** for 29 years”

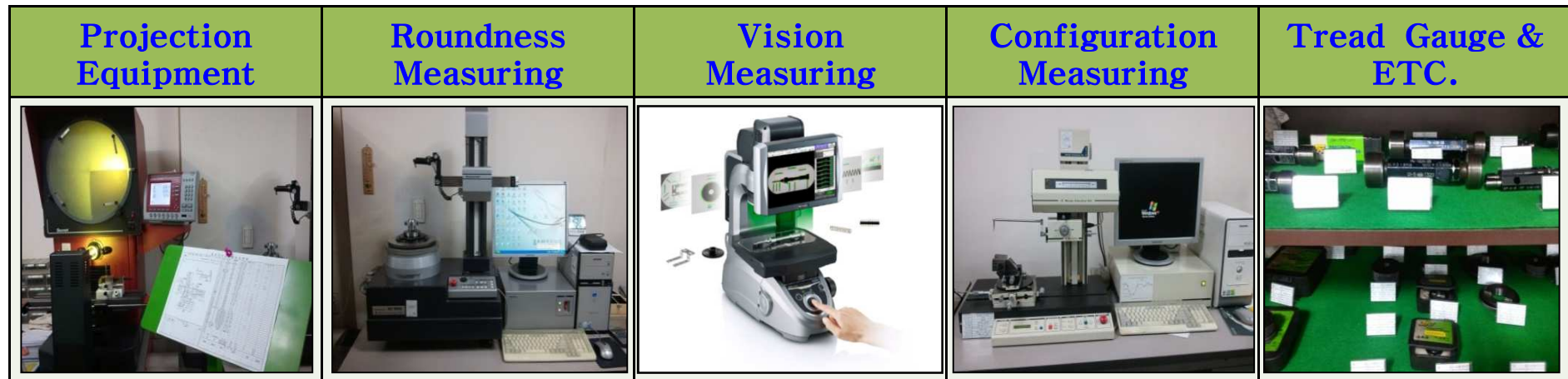
“DAEHAN has been kept the rule based on QC Process Chart definitely”

“Bar- Code system is operating from Incoming Material to Outgoing”

| Incoming Material | Maker & Line | Basic Documentary | Uniquely Documentary |
|--|---|--|--|
| “Raw Material” HEX/ROUND BAR Forging Coil ERW Pipe | POSCO SEAH DONG-IL HYUNDAI | ▶ MILL SHEET ▶ ROHs ▶ REACH ▶ Hardness Inspection | “Component Analysis” “ECT/UT Test Record” “Compression Test” “Metal Flow Chart” |
| “Process” By Computerizing MES System “Machining to Plating” | IN-LINE Production (70%) Own Technical skills | ▶ Shelf-Inspection Sheet” ▶ Process Inspection Sheet ▶ Plating Inspection Sheet by Laser | “CP/CPk Process Capability Analysis Sheet” “LOT No. Management” |
| Fitting Crimping & Hose Assembly | IN-LINE Production (100%) Own Technical skills | ▶ Final Inspection Sheet with Drawings ▶ Crimping Check Sheet | “Burst Test Report” “Impulse Test Report” “Salt Spray Test Report” |

VII - 2. Quality Measuring & Patterns

3Q “*Quenching-Qualify-Quality*”



ISO 9001:2015, IATF16949:2016

Patterns(4Pcs)

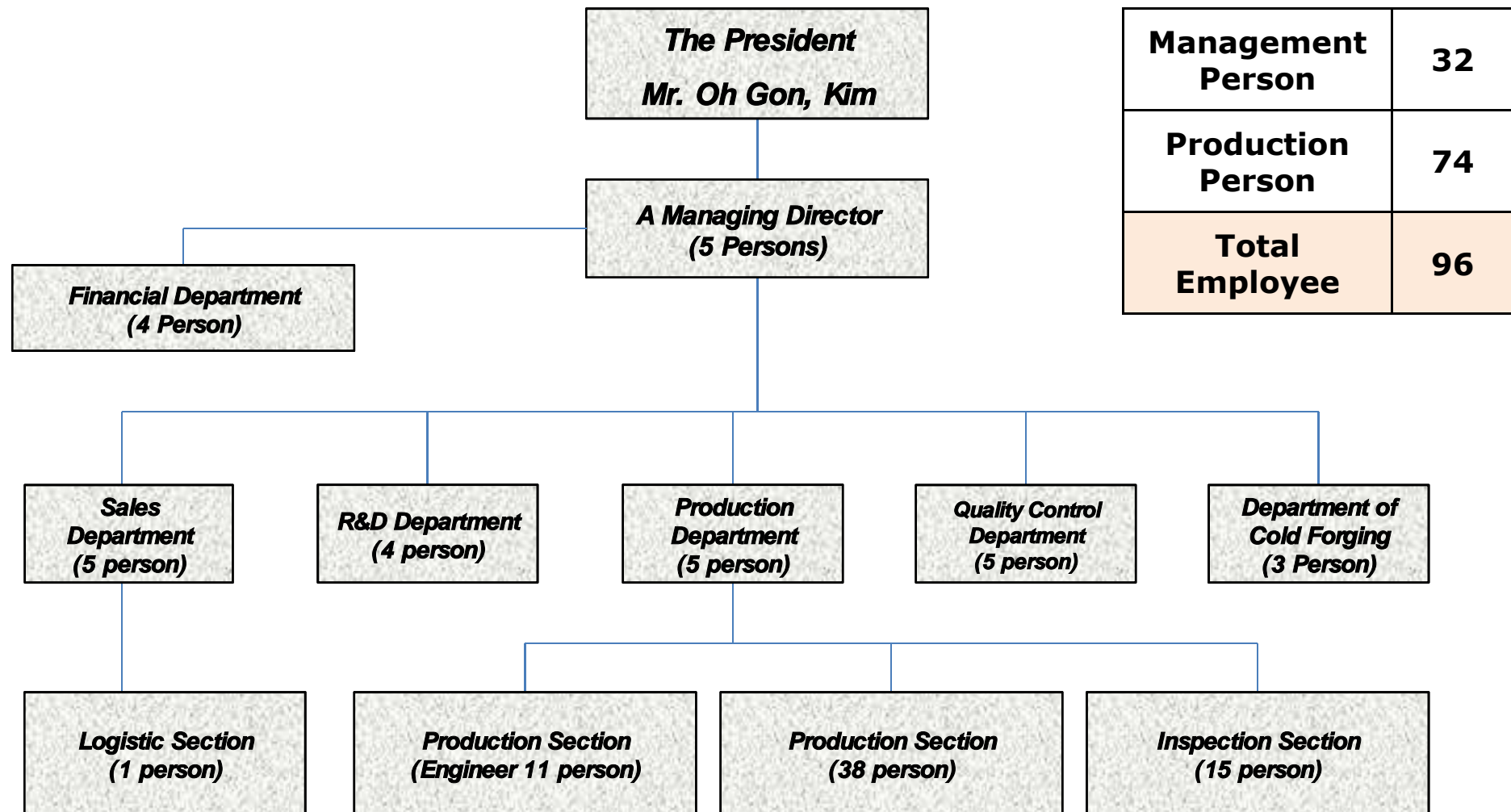
Quality & System

Fitting(2pcs)

Pump Piston

Rebar Coupler





Strong Point : “DAEHAN Member has worked together with each other over 10 years ”

“Therefore, Anybody can connect customer’s requirement continuously.”

