



A COMPLETE FAMILY OF AUTOMATIC LUBRICATION SYSTEMS  
SOLUTION FOR MINING & MOBILE EQUIPMENTS



AUTOMATIC LUBRICATION SYSTEMS

# HARTEX Quality By Design

## BLACK STAR 10:1 - HYDRAULIC GREASE PUMP

### Superior System Performance

Heavy-duty and mining equipment rely on fresh lubricant to flush contaminants from critical pivot points. An automatic lubrication system from HARTEX provides constant lube replenishment, preventing expensive and catastrophic component failures. Divider valves and injectors accurately distribute lubricant to multiply lube points and are designed to accept a variety of system accessories which include electronic controllers and pressure switches.

#### Hx-1 Injectors

- Exclusive seal design for up to 30% longer life
- Field adjustable output for most every application



#### Divider Valve Assembly

- Accurately meters lubrication to each point
- Adds performance indicators to ensure vital components have been lubricated



#### Rugged Digital Controller

- Full featured performance, time- or pressure-based control to monitor reservoir level and system pressure



#### Compact Pressure Switch

- The new design of the pressure switch allows for easy and maintenance - free use



#### Center-Feed Vent and Refill Port

- Located at the bottom of cylinder tank for trouble-free venting and refilling



#### Built-In Gauge

- Conveniently monitor hydraulic output pressure



#### Pressure Control

- Ability to adjust pressure, puts you in control



# Typical Applications

## Mobile

- Front-end loaders - 12 cu. yd. or higher
- Mining trucks - 100 ton capacity or higher
- Shovel fronts
- Drag lines
- Bucket wheel excavators

## Stationary

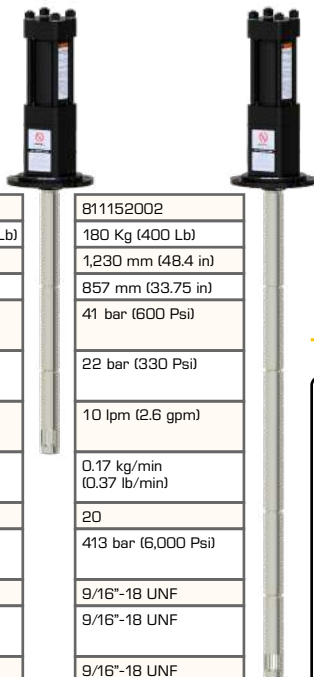
- Cement plant
- Jaw and gyratory crushers
- Grinding mill seals
- Mineral sizers
- Ship loaders - slew bearings
- Sludge pumps



## Technical Specification

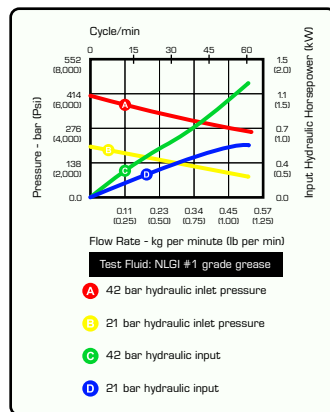
### BLACK STAR 10:1 PUMPS

|  |                               |
|--|-------------------------------|
| Part Number                            | 811152000                     |
| Drum Size                              | 27 Kg (60 Lb) & 41 Kg (90 Lb) |
| Overall Pump Length                    | 860 mm (33.8 in)              |
| Pump Lower Length                      | 500 mm (19.68 in)             |
| Maximum Hydraulic Input Pressure       | 41 bar (600 Psi)              |
| Recommended Hyd. Input Pressure        | 22 bar (330 Psi)              |
| Maximum Hydraulic Fluid Input Volume   | 10 lpm (2.6 gpm)              |
| Maximum Flow Output Rate               | 0.17 kg/min (0.37 lb/min)     |
| Maximum CPM                            | 20                            |
| Maximum Fluid Output Pressure          | 413 bar (6,000 Psi)           |
| Hydraulic Supply Inlet                 | 9/16"-18 UNF                  |
| Hydraulic Return Outlet                | 9/16"-18 UNF                  |
| Fluid Outlet                           | 9/16"-18 UNF                  |
| Maximum Incoming Hydraulic Fluid Temp. | 121° C (250° F)               |
| Minimum Incoming Hydraulic Fluid Temp. | 90° C (200° F)                |







|                           |
|---------------------------|
| 811152002                 |
| 180 Kg (400 Lb)           |
| 1,230 mm (48.4 in)        |
| 857 mm (33.75 in)         |
| 41 bar (600 Psi)          |
| 22 bar (330 Psi)          |
| 10 lpm (2.6 gpm)          |
| 0.17 kg/min (0.37 lb/min) |
| 20                        |
| 413 bar (6,000 Psi)       |
| 9/16"-18 UNF              |
| 9/16"-18 UNF              |
| 9/16"-18 UNF              |
| 121° C (250° F)           |
| 90° C (200° F)            |

### Typical Pump Performance



# Ordering Information

|   |   |   |   |
|---|---|---|---|
|  |  |  |  |
| BLACK STAR, 10:1 - PUMP MODULE - 27 KG  | BLACK STAR, 10:1 - PUMP MODULE - 41 KG  | BLACK STAR, 10:1 - PUMP MODULE - 181 KG   | BLACK STAR, 10:1 - PUMP MODULE - 27 KG  |
| PN: 821152000   | PN: 821152001   | PN: 821152002   | ( DIVIDER ) PN: 821152003   |

|   |   |   |   |
|---|---|---|---|
|  |  |  |  |
| BLACK STAR 10:1 HYDRAULIC PUMP  | VENT VALVE ELECTRIC KIT   | HYDRAULIC CONTROL ASSEMBLY  | HARTEX LUBE CONTROLLER  |
| PN: 811152000 (27 & 41 Kg)  | PN: 821302400   | PN: 821152500   | PN: 820312010 (CONTROLLER)  |
| PN: 811152002 (181 Kg)  |   |   | PN: 870351006 (CONNECTOR 12 PINS)   |
| PN: 821152131 (Repair Kit Pump Grease)  |   |   |   |
| PN: 821152230 (Repair Kit Reciprocator)   |   |   |   |

|   |   |   |
|---|---|---|
|  |  |  |
| PISTON PRESSURE SWITCH  | OIL PRESSURE GAUGE 1500 PSI   | GREASE PRESSURE GAUGE 6000 PSI  |
| PN: 811343647   | PN: 820312014   | PN: 820312013   |

# HARTEX Quality By Design

## FIRE LUBE 300 - 50:1 - PNEUMATIC GREASE PUMP

### Superior System Performance

Heavy-duty and mining equipment rely on fresh lubricant to flush contaminants from critical pivot points. An automatic lubrication system from HARTEX provides constant lube replenishment, preventing expensive and catastrophic component failures. Divider valves and injectors accurately distribute lubricant to multiply lube points and are designed to accept a variety of system accessories which include electronic controllers and pressure switches.

#### Hx-1 Injectors

- Exclusive seal design for up to 30% longer life
- Field adjustable output for most every application



#### Divider Valve Assembly

- Accurately meters lubrication to each point
- Adds performance indicators to ensure vital components have been lubricated



#### Rugged Digital Controller

- Full featured performance, time- or pressure-based control to monitor reservoir level and system pressure



#### Compact Pressure Switch

- The new design of the pressure switch allows for easy and maintenance - free use



#### Center-Feed Vent and Refill Port

- Located at the bottom of cylinder tank for trouble-free venting and refilling

#### Built-In Air Filter

- Air Filter Combination

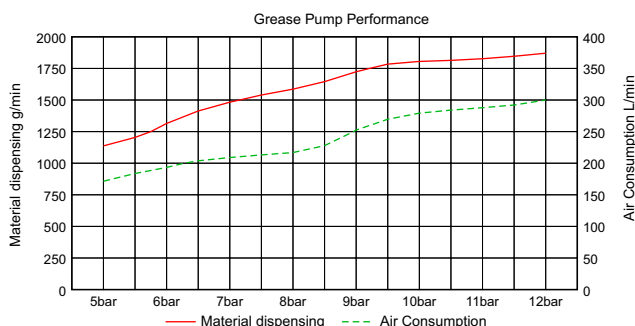


# HARTEX Quality By Design

## Grease Pump - Fire Lube 300 - 50:1

Designed for manufacturing or automotive service facilities

- 50:1 ratio allows grease to be pumped up to NLGI 02 (Refer to appendix 2)
- Double acting pump provides continuous flow operation
- Rugged inlet cage withstands demanding shop environments
- Full line of stationary and portable package configurations
- High flow capability, stable function



## Technical Specification

|                              |  |
|------------------------------|--|
| Part No                      | 821252004                                |
| Drum Application             | 20 - 30 kgs / 60 lbs                     |
| Pressure Ratio               | 50 : 1                                   |
| Air Inlet Pressure           | 5 - 12 bar / 70-175 psi                  |
| MAX. Fluid Pressure          | 600 bar / 8700 psi                       |
| Air Motor Effective Diameter | 76 mm / 3"                               |
| Air Consumption (min)        | @ 8 bar 230 L<br>@115 psi / 8.1 CFM      |
| MAX. Free Flow Rate (min)    | 1800 g / 4 lbs                           |
| Suction Tube Diameter        | 32 mm / 1 -1/4"                          |
| Suction Tube Length          | 445 mm / 19 "                            |
| Air Inlet Connection         | 1/4" Quick plug 1/4" NPT Female          |
| Grease Inlet Connection      | 1/4" BSP/ 1/4" NPT Female                |
| Weight                       | 8 kgs / 17l bs                           |
| Packaging Dimension          | 92 x 25 x 20 cm /<br>36.2" x 9.8" x 7.8" |







|                              |                                      |
|------------------------------|--------------------------------------|
| Part No                      | 821252005                            |
| Drum Application             | 120 - 220 kgs / 400 lbs              |
| Pressure Ratio               | 50 : 1                               |
| Air Inlet Pressure           | 5 - 12 bar / 70-175 psi              |
| MAX. Fluid Pressure          | 600 bar / 8700 psi                   |
| Air Motor Effective Diameter | 76 mm / 3"                           |
| Air Consumption (min)        | @ 8 bar 230 L<br>@115 psi / 8.1 CFM  |
| MAX. Free Flow Rate (min)    | 1800 g / 4 lbs                       |
| Suction Tube Diameter        | 32 mm / 1 -1/4"                      |
| Suction Tube Length          | 855 mm / 37"                         |
| Air Inlet Connection         | 1/4" Quick plug 1/4" NPT Female      |
| Grease Inlet Connection      | 1/4" BSP/ 1/4" NPT Female            |
| Weight                       | 10.5 kgs / 22 lbs                    |
| Packaging Dimension          | 139 x 25 x 20cm /<br>54.7"x9.8"x7.8" |



# Ordering Information

|   |   |   |   |
|---|---|---|---|
|  |  |  |  |
| FIRE LUBE 300, 50:1 - PUMP MODULE - 27 KG   | FIRE LUBE 300, 50:1 - PUMP MODULE - 41 KG   | FIRE LUBE 300, 50:1 - PUMP MODULE - 181 KG  | FIRE LUBE 300, 50:1 - PUMP MODULE - 27 KG   |
| PN: 821252000   | PN: 821252001   | PN: 821252002   | ( DIVIDER ) PN: 821252003   |

|   |   |   |   |
|---|---|---|---|
|  |  |  |  |
| FIRE LUBE 300 50:1 PNEUMATIC GREASE PUMP  | VENT VALVE ELECTRIC KIT   | SELENOID & FRL ( FILTER, REGULATOR, LUBRICATOR)                                   | HARTEX LUBE CONTROLLER  |
| PN: 821252004 (27 & 41 Kg)  | PN: 821302400   | PN: 821252600   | PN: 820312010 (CONTROLLER)  |
| PN: 821252005 (181 Kg)  |   |   | PN: 870351006 (CONNECTOR 12 PINS)   |
| PN: 811252100 (Repair Kit - Air Motor)  |   |   |   |
| PN: 811152200 (Repair Kit - Displacement Pump)                                    |   |   |   |

|   |   |   |
|---|---|---|
|  |  |  |
| PISTON PRESSURE SWITCH  | OIL PRESSURE GAUGE 1500 PSI   | GREASE PRESSURE GAUGE 6000 PSI  |
| PN: 811343647   | PN: 820312014   | PN: 820312013   |

# HARTEX Quality By Design

## COMPACT BLACK STAR ( CBS ) - ELECTRIC GREASE PUMP

### Superior System Performance

The Black Star Compact Pump (CBS) presents an alternative to electric pumps with large grease capacity, high flow and strong durability in a compact dimension to extend the working life of equipment and users in extreme environments.

#### Hx-1 Injectors

- Exclusive seal design for up to 30% longer life
- Field adjustable output for most every application



#### Divider Valve Assembly

- Accurately meters lubrication to each point
- Adds performance indicators to ensure vital components have been lubricated



#### Tough Power Train

- 24 VDC, brush-less motor and zero maintenance gear drive deliver lubricants on time, even at -40° F ( -40° C )

#### Rugged Digital Controller

- Full featured performance, time- or pressure-based control to monitor reservoir level and system pressure



#### Compact Pressure Switch

- The new design of the pressure switch allows for easy and maintenance - free use



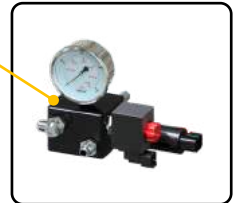
#### Built to Last

- Metal construction ensures reliable operation in the most extreme environment



#### Electric Vent Valve

- Design to make it simple to install in injector - based lube system
- Built to last, few moving parts & little maintenance required



#### Center-Feed Vent and Refill Port

- Located at the bottom of cylinder tank for trouble-free venting and refilling



# HARTEX Quality By Design

## Compact Black Star

### Superior System Performance

The Black Star Compact Pump (CBS) presents an alternative to electric pumps with large grease capacity, high flow and strong durability in a compact dimension to extend the working life of equipment and users in extreme environments.

### Typical Application

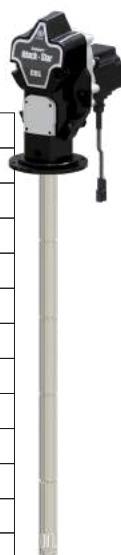
- Mining
- Construction
- Hydraulic Fracturing Units
- Aggregates

## Technical Specification

|                           |   |
|---------------------------|---|
| Part No                   | 821343600   |
| Reservoir Size            | 27 & 41 Kg  |
| Maximum Working Pressure  | 3,500 psi (241 bar)                                   |
| Pressure Relief Valve Set | 4,000 psi<br>(276 bar/28 Mpa)                         |
| Maximum Flow Output Rate  | 74 cm <sup>3</sup> /min<br>(4.5 in <sup>3</sup> /min) |
| Grease Type               | Up to NLGI #2   |
| Ratings                   | IP69K   |
| Electric Motor            |   |
| Voltage                   | 24 VDC  |
| Maximum Power             | 250 w   |
| Maximum Current           | 12,5 A  |
| Rotation/minute           | 1500+10%  |
| Maximum Torque            | 1,59 Nm   |



|                           |   |
|---------------------------|---|
| Part No                   | 821343800   |
| Reservoir Size            | 181 Kg  |
| Maximum Working Pressure  | 3,500 psi (241 bar)                                   |
| Pressure Relief Valve Set | 4,000 psi<br>(276 bar/28 Mpa)                         |
| Maximum Flow Output Rate  | 74 cm <sup>3</sup> /min<br>(4.5 in <sup>3</sup> /min) |
| Grease Type               | Up to NLGI #2   |
| Ratings                   | IP69K   |
| Electric Motor            |   |
| Voltage                   | 24 VDC  |
| Maximum Power             | 250 w   |
| Maximum Current           | 12,5 A  |
| Rotation/minute           | 1500+10%  |
| Maximum Torque            | 1,59 Nm   |



# Ordering Information

|   |   |   |   |
|---|---|---|---|
|  |  |  |  |
| COMPACT BLACK STAR - PUMP MODULE - 27 KG  | COMPACT BLACK STAR - PUMP MODULE - 41 KG  | COMPACT BLACK STAR - PUMP MODULE - 181 KG   | COMPACT BLACK STAR - PUMP MODULE - 27 KG  |
| PN: 821343600   | PN: 821343700   | PN: 821343800   | ( DIVIDER ) PN: 821343900   |

|   |   |   |   |
|---|---|---|---|
|  |  |  |  |
| COMPACT BLACK STAR - PUMP ONLY  | VENT VALVE ELECTRIC KIT   | HARTEX LUBE CONTROLLER  | HARTEX UNIVERSALAUTOLUBE CONTROLLERIN 24 VDC                                      |
| PN: 821343600 (27 & 41 Kg)  | PN: 821302400   | PN: 820312010 (CONTROLLER)  | PN: 820312012   |
| PN: 821343800 (181 Kg)  |   | PN: 870351006 (CONNECTOR 12 PINS)   | PN: 870351006 (CONNECTOR 12 PINS)   |
| PN: 811152200 (Repair Kit - Displacement Pump)                                    |   |   |   |

|   |   |
|---|---|
|  |  |
| PISTON PRESSURE SWITCH  | GREASE PRESSURE GAUGE 6000 PSI  |
| PN: 811343647   | PN: 820312013   |

# HARTEX Quality By Design

## Hartex Electric Pump





Electrically - Powered Lubrication Pump




### FEATURES AND BENEFITS

- Pump body can be configured to operate one to four fixed displacement pump cartridges that can feed four different zones or be combined for maximum output;
- Designed to deliver NLGI #000 - #2 greases to a maximum pressure of up to 5075 psi (350 bar, 35 Mpa) and up to 4350 psi (300 bar, 30 Mpa) with a Safety Valve
- Remote controller connection offers more functionality and options.
- The integrated one-way valve inside pump element prevents grease from being sucked back from the main line.
- A stir plate pushes the grease through the strainer plate to reduce air bubbles and allow visual inspection of the volume of grease in the reservoir.
- Additional top mounts enable both top and bottom mounting for exceptional strength.
- Reservoir capacities of 4L, 8L and 12L;

# Ordering Information

|   |   |   |   |
|---|---|---|---|
|  |  |  |  |
| HARTEX ELECTRIC PUMP 12 L   | HARTEX ELECTRIC PUMP 8 L  | HARTEX ELECTRIC PUMP 4 L  | HARTEX UNIVERSALAUTOLUBE CONTROLLER1N 24 VDC                                      |
| PN: 821343500   | PN: 821343300   | PN: 821343200   | PN: 820312012   |
|   |   |   | PN: 870351006 (CONNECTOR 12 PINS)   |

|   |
|---|
|  |
| DIVIDER VALVE ASSEMBLY  |
| PN: 821057109 (6 Outlets)   |
| PN: 821057209 (8 Outlets)   |
| PN: 821057309 (10 Outlets)  |
| PN: 821057409 (12 Outlets)  |
| PN: 821057509 (14 Outlets)  |
| PN: 821057511 (7 Outlets Type A)  |
| PN: 821057512 (7 Outlets Type B)  |

# Injector Technical Specification

## HARTEX HX Series Injectors

### Automatic Lubrication Systems

HARTEX quality provides consistent performance in rugged environments.

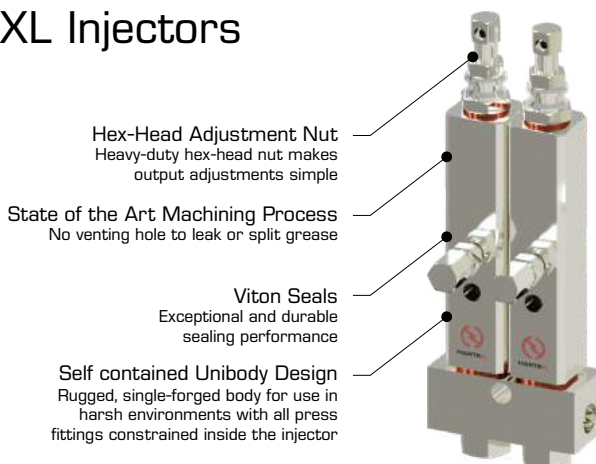
- \* Higher operating pressure to grease point
- \* No vent holes to leak lubricant
- \* Fully-enclosed press fittings



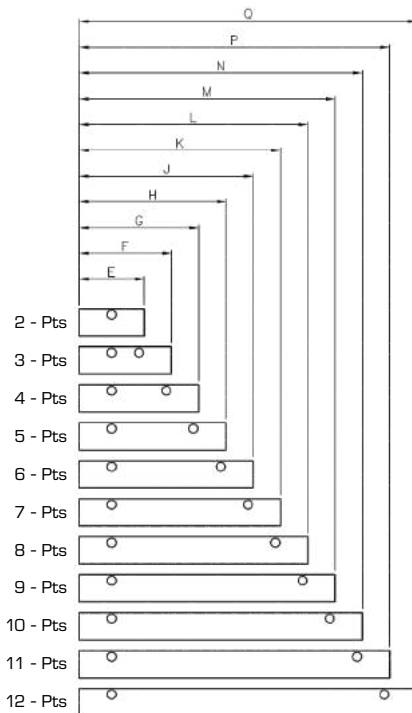
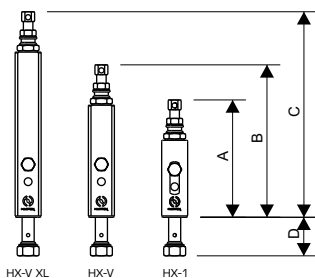
### Technical Specifications

|                            | HX-1                               | HX-V                              | HX-V XL                           |
|----------------------------|------------------------------------|-----------------------------------|-----------------------------------|
| Maximum operating pressure | 3,500 psi (421 bar)                | 6,000 psi (414 bar)               | 6,000 psi (414 bar)               |
| Minimum operating pressure | 1,850 psi (128 bar)                | 1,850 psi (128 bar)               | 1,850 psi (128 bar)               |
| Reset pressure             | 600 psi (41 bar)                   | 1,000 psi (69 bar)                | 1,000 psi (69 bar)                |
| Outcome volume per cycle   | 0.008 -0.08 in3<br>(0.013-1.31 cc) | 0.015 -0.08 in3<br>(0.25-1.31 cc) | 0.035 -0.305 in3<br>(0.57-5.0 cc) |

## HARTEX HX-V & XL Injectors



# Injector Ordering Information



## Legends

|   |                    |   |                     |
|---|--------------------|---|---------------------|
| A | 5.35 in (136 mm)   | J | 7.97 in (202.5 mm)  |
| B | 6.96 in (176.8 mm) | K | 9.22 in (234.2 mm)  |
| C | 9.38 in (238.4 mm) | L | 10.47 in (266 mm)   |
| D | 1.75 in (44.7 mm)  | M | 11.72 in (297.7 mm) |
| E | 2.97 in (75.5 mm)  | N | 12.97 in (329.5 mm) |
| F | 4.22 in (107.2 mm) | P | 14.22 in (361.2 mm) |
| G | 5.47 in (139 mm)   | Q | 15.47 in (393 mm)   |
| H | 6.72 in (170.7 mm) |   |                     |

## Ordering Information

HX-1





HX-V





HX-V XL


| Injectors & Manifold Assemblies              |           |           |           |           |           |
|--|-----------|-----------|-----------|-----------|-----------|
| Single Replacement Injectors                 |           | 821024000 |           | 821025000 | 821026000 |
| Injectors Assemblies                         |           |           |           |           |           |
| Injectors Cover Kit, Plastisol               |           | 821024010 |           |           | 821024010 |
| Injectors Crossport Kit                      |           | 821024011 |           | 821025010 | 821026010 |
| Bare Injector Manifolds (By Number of Ports) |           |           |           |           |           |
| 1  | 2         | 3         | 4         | 5         | 6         |
| -  | 821024210 | 821024310 | 821024410 | 821024510 | 821024610 |
| 7  | 8         | 9         | 10        | 11        | 12        |
| 821024710                                    | 821024810 | 821024910 | 821024930 | 821024950 | 821024970 |

# Ordering Information







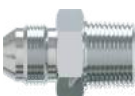



|   |   |   |  |
|---|---|---|--|
|  |  |  |  |
| HARTEX REPLACEMENT INJECTOR HX-1  | HARTEX REPLACEMENT INJECTOR HX-V  | HARTEX REPLACEMENT INJECTOR HX-V XL   | PLASTISOL  |
| PN: 821024000 (Replacement)   | PN: 821025000 (Replacement)   | PN: 821026000 (Replacement)   | PN: 821024010  |
| PN: 821024011 (Repair Kit)  | PN: 821025010 (Repair Kit)  | PN: 821026010 (Repair Kit)  |  |




|  |   |   |  |
|--|---|---|--|
|  |  |  |  |
| HARTEX INJECTOR HX-1   | HARTEX INJECTOR HX-V  | HARTEX INJECTOR HX-V XL   | BARE INJECTOR MANIFOLD BLOCK   |
| PN: 821024200 (2 Points)   | PN: 821025200 (2 Points)  | PN: 821026200 (2 Points)  | PN: 821024210 (2 Ports)  |
| PN: 821024300 (3 Points)   | PN: 821025300 (3 Points)  | PN: 821026300 (3 Points)  | PN: 821024310 (3 Ports)  |
| PN: 821024400 (4 Points)   | PN: 821025400 (4 Points)  | PN: 821026400 (4 Points)  | PN: 821024410 (4 Ports)  |
| PN: 821024500 (5 Points)   | PN: 821025500 (5 Points)  | PN: 821026500 (5 Points)  | PN: 821024510 (5 Ports)  |
| PN: 821024600 (6 Points)   | PN: 821025600 (6 Points)  | PN: 821026600 (6 Points)  | PN: 821024610 (6 Ports)  |
| PN: 821024700 (7 Points)   | PN: 821025700 (7 Points)  | PN: 821026700 (7 Points)  | PN: 821024710 (7 Ports)  |
| PN: 821024800 (8 Points)   | PN: 821025800 (8 Points)  | PN: 821026800 (8 Points)  | PN: 821024810 (8 Ports)  |
| PN: 821024900 (9 Points)   | PN: 821025900 (9 Points)  | PN: 821026900 (9 Points)  | PN: 821024910 (9 Ports)  |
| PN: 821024901 (10 Points)  | PN: 821025901 (10 Points)   | PN: 821026901 (10 Points)   | PN: 821024930 (10 Ports)   |
| PN: 821024902 (11 Points)  | PN: 821025902 (11 Points)   | PN: 821026902 (11 Points)   | PN: 821024950 (11 Ports)   |
| PN: 821024903 (12 Points)  | PN: 821025903 (12 Points)   | PN: 821026903 (12 Points)   | PN: 821024970 (12 Ports)   |

|   |                            |                                  |
|---|----------------------------|----------------------------------|
|  | DIVIDER VALVE ASSEMBLY     | PN: 821057409 (12 Outlets)       |
|   | PN: 821057109 (6 Outlets)  | PN: 821057509 (14 Outlets)       |
|   | PN: 821057209 (8 Outlets)  | PN: 821057511 (7 Outlets Type A) |
|   | PN: 821057309 (10 Outlets) | PN: 821057512 (7 Outlets Type B) |





# Ordering Information





|   |   |   |   |
|---|---|---|---|
|  |  |  |  |
| FITTING STRAIGHT JIC  | FITTING 45 JIC  | FITTING 90 JIC  | FERRULE   |
| PN : 022512-04-04 (1/4" - 7/16")  | PN : 022542-04-04 (1/4" - 7/16")  | PN : 022592-04-04 (1/4" - 7/16")  | PN : 003400-04 (SIZE 1/4")  |
| PN : 022512-06-06 (3/8" - 9/16")  | PN : 022542-06-06 (3/8" - 9/16")  | PN : 022592-06-06 (3/8" - 9/16")  | PN : 003400-06 (SIZE 3/8")  |
| PN : 022512-08-08 (1/2" - 3/4")   | PN : 022542-08-08 (1/2" - 3/4")   | PN : 022592-08-08 (1/2" - 3/4")   | PN : 003400-08 (SIZE 1/2")  |





|   |   |   |   |
|---|---|---|---|
|  |  |  |  |
| ADAPTOR STRAIGHT JIC - NPT  | ADAPTOR 45° JIC - NPT   | ADAPTOR 90° JIC - NPT   | MALE PLUG NPT   |
| PN : 0502528-04-02 (7/16" - 1/8")   | PN : 0532528-04-02 (7/16" - 1/8")   | PN : 0562528-04-02 (7/16" - 1/8")   | PN : 0402800-06 (3/8")  |
| PN : 0502528-04-04 (7/16" - 1/4")   | PN : 0532528-04-04 (7/16" - 1/4")   | PN : 0562528-04-04 (7/16" - 1/4")   | PN : 0402800-08 (1/2")  |
| PN : 0502528-06-06 (9/16" - 3/8")   | PN : 0532528-06-06 (9/16" - 3/8")   | PN : 0562528-06-06 (9/16" - 3/8")   |   |
| PN : 0502528-08-06 (3/4" - 3/8")  | PN : 0532528-08-06 (3/4" - 3/8")  | PN : 0562528-08-06 (3/4" - 3/8")  |   |

|   |   |   |
|---|---|---|
|  |  |  |
| HYDRAULIC HOSE 1SN  | HYDRAULIC HOSE 2SN  | SPIRAL GUARD  |
| PN : 08-BRAID1SN (SIZE 1/2")  | PN : 04-BRAID2SN (SIZE 1/4")  | PN : 800001031 (13-17mm)  |
|   | PN : 06-BRAID2SN (SIZE 3/8")  | PN : 800001032 (16-22mm)  |
|   | PN : 08-BRAID2SN (SIZE 1/2")  |   |

# Ordering Information

|   |   |   |   |
|---|---|---|---|
|  |  |  |  |
| HOSE STUD, ELBOW 90° (Ø 6,8 mm)   | HOSE STUD, ELBOW 45° (Ø 6,8 mm)   | HOSE STUD, STRAIGHT (Ø 6,8 mm)  | SCREW SLEEVE HOSE OD. 8,6 mm  |
| PN : 821210001  | PN : 821310001  | PN : 821110001  | PN : 821070001  |

|   |   |   |   |
|---|---|---|---|
|  |  |  |  |
| STRAIGHT ADAPTOR M10x1 (6mm)  | ELBOW ADAPTOR 90° M10x1 (6mm)   | BRIDGE CONNECTORS (6mm)   | SWIVEL ADAPTOR MF 1/8"  |
| PN : 821121301  | PN : 821222301  | PN : 821133301  | PN : 821821201 (NPT-NPT)<br>PN : 821825601 (BSPT-BSPT)                            |

|   |   |   |  |
|---|---|---|--|
|  |  |  |  |
| ADAPTOR MF 1/8" NPT STANDARD  | ADAPTOR MF 1/8" NPT 30 mm   | HOSE 840 Bar OD. 8,6 mm   | SPRING & ARMOUR GUARD  |
| PN : 821141201  | PN : 821441201  | PN : 821060001  | PN: 800001058 (SPRING GUARD)<br>PN: 800001059 (ARMOUR GUARD)                         |



REV. 14 MAR 2024

Distributor :

## HARTEX GLOBAL INDUSTRIAL

### Factory :

Green Sedayu Bizpark Cakung Blok GS 5 No. 102  
Jl. Cakung Cilincing Timur Raya KM. 2  
Cakung - Jakarta Timur - 13910

☎ : +62 21 461 3110 | 📞 : +62 811 803 6799  
Email: [info@hartex.id](mailto:info@hartex.id) | Web: [www.hartex.id](http://www.hartex.id)

