

# DV-20 DRILLING DRIVE



VARIABLE SPEED DRIVE UNIT | PN 610442



EXCAVATOR SIZE

**12T - 20T**

CONNECTIONS

HEX **3"**

MAX HOLE DEPTH

**20'**

MAX HOLE DIA.

**6"**

WEIGHT

**LBS | 880**

## TRULINK TORQUE PIN

DV-20 is outfitted to fit these TruLink® Torque Monitor Systems.



TruLink 2.0 Class 1 with 7" Display  
**PN | 615070**

Kits include Pin, Displays, Anti-Rotation Block, Mount, Cable and Stylus.



The DV-20 is an excellent companion to the Pengo Excavator Auger line. This powerhouse is capable of drilling holes up to 20' deep and 6' in diameter in both rock and dirt.

### HYDRAULIC MOTOR INFORMATION

|                            |                               |
|----------------------------|-------------------------------|
| Displacement               | 8.25 cu/in (135cc)            |
| Motor Type                 | Variable Speed Bi-Directional |
| Motor Output Shaft         | 8/16" Spline 13T              |
| Motor Mount                | SAE - D 2 Bolt                |
| Motor Ports                | Code 62 SAE Split Flange      |
| Cross Over Pressure Relief | None                          |

### PLANETARY GEARBOX INFORMATION

|                       |                       |
|-----------------------|-----------------------|
| Gearbox Type          | Planetary Three Stage |
| Reduction Ratio       | 60.56:1               |
| Output Shaft          | 3" Hex                |
| Internal Oil Capacity | 3.0 Gallons           |
| Oil Type              | SAE 80W90 GL-5        |

# DV-20 DRILLING DRIVE

Variable Speed Models must have a drain line.

REFERENCE SPEED CHART

| Flow GPM (Liter) | Low (rpm) | High (rpm) |
|------------------|-----------|------------|
| 40 (151)         | 16        | 27         |
| 45 (169)         | 18        | 30         |
| 50 (188)         | 20        | 33         |
| 55 (206)         | 22        | 37         |
| 60 (225)         | 24        | 40         |

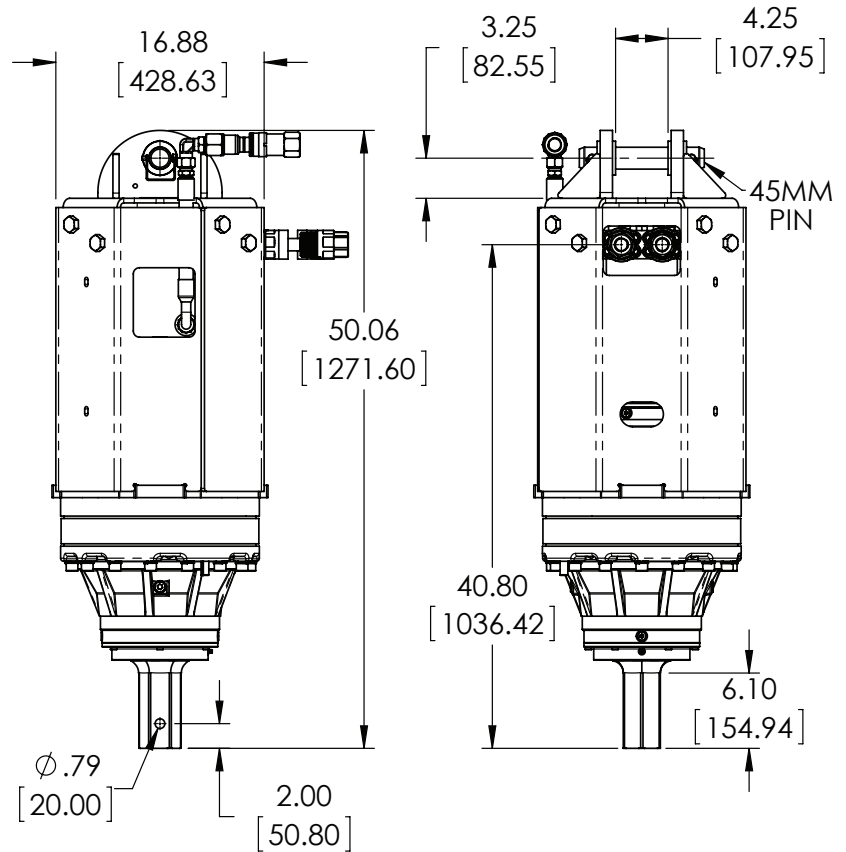
REFERENCE TORQUE CHART (LT / HS)

| Pressure (psi) | THEORETICAL Torque (ft/lb) | ACTUAL Torque (ft/lb) |
|----------------|----------------------------|-----------------------|
| 2000           | 7845                       | 6668                  |
| 2200           | 8630                       | 7336                  |
| 2400           | 9414                       | 8002                  |
| 2600           | 10199                      | 8669                  |
| 2800           | 10984                      | 9336                  |
| 3000           | 11768                      | 10003                 |
| 3200           | 12553                      | 10670                 |
| 3400           | 13337                      | 11336                 |
| 3600           | 14122                      | 12004                 |
| 3800           | 14907                      | 12671                 |
| 4000           | 15691                      | 13337                 |

REFERENCE TORQUE CHART (HT / LS)

| Pressure (psi) | THEORETICAL Torque (ft/lb) | ACTUAL Torque (ft/lb) |
|----------------|----------------------------|-----------------------|
| 2000           | 13239                      | 11253                 |
| 2200           | 14563                      | 12379                 |
| 2400           | 15887                      | 13504                 |
| 2600           | 17211                      | 14629                 |
| 2800           | 18535                      | 15755                 |
| 3000           | 19859                      | 16880                 |
| 3200           | 21183                      | 18006                 |
| 3400           | 22507                      | 19131                 |
| 3600           | 23831                      | 20256                 |
| 3800           | 25155                      | 21382                 |
| 4000           | 26479                      | 22507                 |

Note that both theoretical and actual torque values are listed, but that Pengo recommends to go by ACTUAL torque listings.



LOW TORQUE/HIGH SPEED OUTPUT

HIGH TORQUE/LOW SPEED OUTPUT

## MOUNTS for DV-20

Pengo offers a complete excavator mounting systems for the DV-20 unit. These mounts can be mounted directly to the stick or designed to work with an existing quick coupler.

Custom mounts can be designed for specific applications.



Excavator Mounts allow for maximum movement to ensure the Drive always hangs true to the ground.

45MM Pin

LBS | 7

PN | 660558

45MM Link Arm

LBS | 46

PN | 660555

3" Hex Drive Tool

LBS | 35

PN | 158137

Pengo lists output speeds at both theoretical and actual. Actual torque numbers are NOT listed at 100% efficiency. Maximum efficiencies have been applied to the torque and speed charts according to the manufacturer's recommendations. Speed and torque output are dependent on the overall system efficiencies associated with the prime movers hydraulic system. When the purchaser is determining criteria for specific applications please contact Pengo. Pengo has made every attempt to present accurate and suitable information published in this document. This document should be used for information and comparative purposes only. When application-specific information is required, please contact Pengo.

# DV-30 DRILLING DRIVE



VARIABLE SPEED DRIVE UNIT | PN 610384



EXCAVATOR SIZE

15T - 25T

CONNECTIONS

SQUARE  
4"

MAX HOLE DEPTH

20'

MAX HOLE DIA.

6"

WEIGHT

LBS | 1250

## TRULINK TORQUE PIN

DV-30 is outfitted to fit these TruLink® Torque Monitor Systems.



TruLink 2.0 Class 2  
with 7" Display  
PN | 615071

Kits include Pin, Displays, Anti-Rotation Block, Mount, Cable and Stylus.



The High Speed DV-30 Drive is compatible with Pengo's Excavator Auger system. The drive will drill holes up to 20' deep and 6' in diameter in rock, dirt and frozen ground.

### HYDRAULIC MOTOR INFORMATION

|                            |                               |
|----------------------------|-------------------------------|
| Displacement               | 10.06 cu/in (165cc)           |
| Motor Type                 | Variable Speed Bi-Directional |
| Motor Output Shaft         | 8/16" Spline 13T              |
| Motor Mount                | SAE - D 2 Bolt                |
| Motor Ports                | Code 62 SAE Split Flange      |
| Cross Over Pressure Relief | None                          |

### PLANETARY GEARBOX INFORMATION

|                       |                       |
|-----------------------|-----------------------|
| Gearbox Type          | Planetary Three Stage |
| Reduction Ratio       | 69.7:1                |
| Output Shaft          | 4" Square             |
| Internal Oil Capacity | 3.17 Gallons          |
| Oil Type              | SAE 80W90 GL-5        |

# DV-30 DRILLING DRIVE

Variable Speed Models must have a drain line.

REFERENCE SPEED CHART

| Flow GPM (Liter) | Low (rpm) | High (rpm) |
|------------------|-----------|------------|
| 40 (151)         | 11        | 27         |
| 45 (169)         | 13        | 31         |
| 50 (188)         | 14        | 34         |
| 55 (206)         | 15        | 37         |
| 60 (225)         | 17        | 41         |

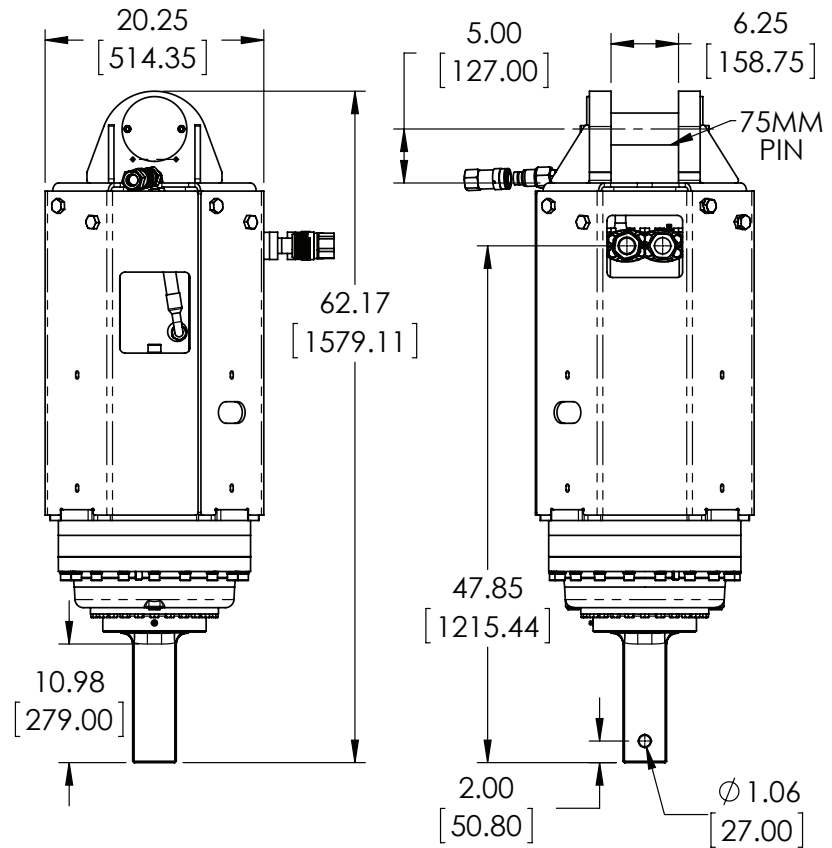
REFERENCE TORQUE CHART (LT / HS)

| Pressure (psi) | THEORETICAL Torque (ft/lb) | ACTUAL Torque (ft/lb) |
|----------------|----------------------------|-----------------------|
| 2000           | 7675                       | 6524                  |
| 2200           | 8442                       | 7176                  |
| 2400           | 9210                       | 7829                  |
| 2600           | 9978                       | 8481                  |
| 2800           | 10745                      | 9133                  |
| 3000           | 11513                      | 9786                  |
| 3200           | 12280                      | 10438                 |
| 3400           | 13048                      | 11091                 |
| 3600           | 13815                      | 11743                 |
| 3800           | 14583                      | 12396                 |
| 4000           | 15350                      | 13048                 |

Note that both theoretical and actual torque values are listed, but that Pengo recommends to go by ACTUAL torque listings.

REFERENCE TORQUE CHART (HT / LS)

| Pressure (psi) | THEORETICAL Torque (ft/lb) | ACTUAL Torque (ft/lb) |
|----------------|----------------------------|-----------------------|
| 2000           | 18624                      | 15830                 |
| 2200           | 20486                      | 17413                 |
| 2400           | 22349                      | 18997                 |
| 2600           | 24211                      | 20579                 |
| 2800           | 26073                      | 22162                 |
| 3000           | 27936                      | 23746                 |
| 3200           | 29798                      | 25328                 |
| 3400           | 31661                      | 26912                 |
| 3600           | 33523                      | 28495                 |
| 3800           | 35386                      | 30078                 |
| 4000           | 37248                      | 31661                 |



## MOUNTS for DV-30

Pengo offers a complete excavator mounting systems for the DV-30 unit. These mounts can be mounted directly to the stick or designed to work with an existing quick coupler.

Custom mounts can be designed for specific applications.



Excavator Mounts allow for maximum movement to ensure the Drive always hangs true to the ground.

75MM Pin

LBS | 19.5

PN | 660554

75MM Link Arm

LBS | 137

PN | 610202

4" Square Drive Tool

LBS | 89

PN | 660951

Pengo lists output speeds at both theoretical and actual. Actual torque numbers are NOT listed at 100% efficiency. Maximum efficiencies have been applied to the torque and speed charts according to the manufacturer's recommendations. Speed and torque output are dependent on the overall system efficiencies associated with the prime movers hydraulic system. When the purchaser is determining criteria for specific applications please contact Pengo. Pengo has made every attempt to present accurate and suitable information published in this document. This document should be used for information and comparative purposes only. When application-specific information is required, please contact Pengo.

# DV-40 DRILLING DRIVE



VARIABLE SPEED DRIVE UNIT | PN 610385



EXCAVATOR SIZE

15T - 25T

CONNECTIONS

SQUARE  
130MM

MAX HOLE DEPTH

20'

MAX HOLE DIA.

7'

WEIGHT

LBS | 1500

## TRULINK TORQUE PIN

DV-40 is outfitted to fit these TruLink® Torque Monitor Systems.



TruLink 2.0 Class 2  
with 7" Display  
PN | 615071

Kits include Pin, Displays, Anti-Rotation Block, Mount, Cable, Stylus, and Flash USB Drive



The DV-40 is the largest drilling drive in the Revolution Series. This drive with turn Penco Excavator augers 25' deep and as wide as 7' in diameter. Like the DV-30 it is able to drill in most rock, dirt and frozen ground drilling conditions.

### HYDRAULIC MOTOR INFORMATION

|                            |                               |
|----------------------------|-------------------------------|
| Displacement               | 10.06 cu/in (165cc)           |
| Motor Type                 | Variable Speed Bi-Directional |
| Motor Output Shaft         | 8/16" Spline 13T              |
| Motor Mount                | SAE - D 2 Bolt                |
| Motor Ports                | Code 62 SAE Split Flange      |
| Cross Over Pressure Relief | None                          |

### PLANETARY GEARBOX INFORMATION

|                       |                       |
|-----------------------|-----------------------|
| Gearbox Type          | Planetary Three Stage |
| Reduction Ratio       | 83.78:1               |
| Output Shaft          | 130mm Square          |
| Internal Oil Capacity | 4.0 Gallons           |
| Oil Type              | SAE 80W90 GL-5        |

# DV-40 DRILLING DRIVE

Variable Speed Models must have a drain line.

REFERENCE SPEED CHART

| Flow GPM (Liter) | Low (rpm) | High (rpm) |
|------------------|-----------|------------|
| 40 (151)         | 9         | 23         |
| 45 (169)         | 10        | 25         |
| 50 (188)         | 12        | 28         |
| 55 (206)         | 13        | 31         |
| 60 (225)         | 14        | 34         |

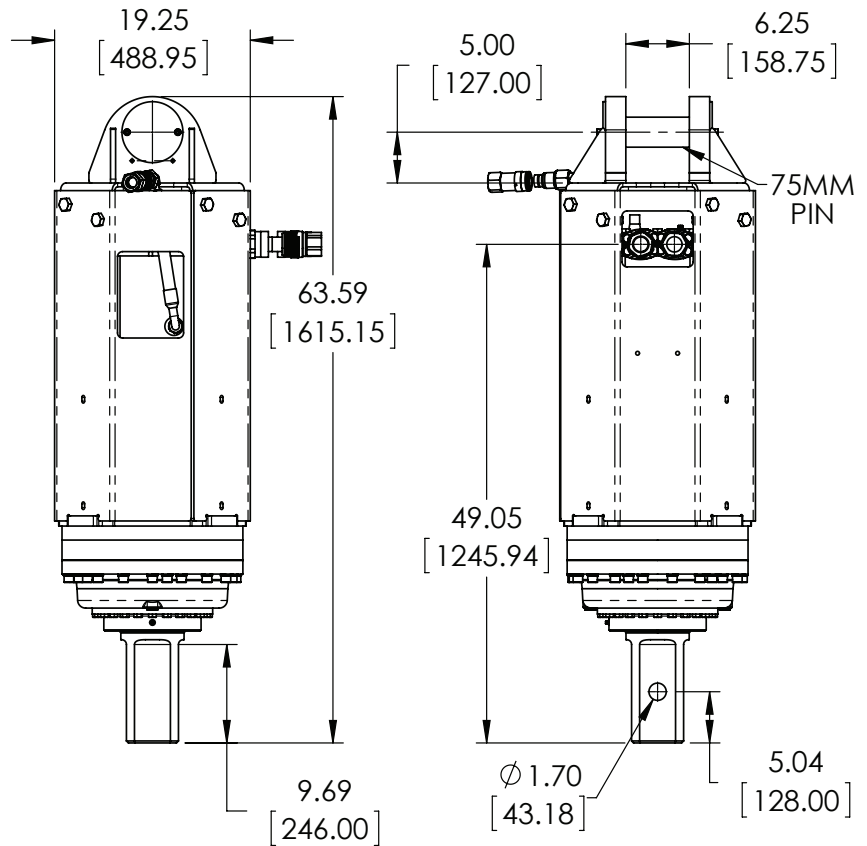
REFERENCE TORQUE CHART (LT / HS)

| Pressure (psi) | THEORETICAL Torque (ft/lb) | ACTUAL Torque (ft/lb) |
|----------------|----------------------------|-----------------------|
| 2000           | 9225                       | 7841                  |
| 2200           | 10148                      | 8626                  |
| 2400           | 11071                      | 9410                  |
| 2600           | 11993                      | 10194                 |
| 2800           | 12916                      | 10979                 |
| 3000           | 13838                      | 11762                 |
| 3200           | 14761                      | 12547                 |
| 3400           | 15684                      | 13331                 |
| 3600           | 16606                      | 14115                 |
| 3800           | 17529                      | 14900                 |
| 4000           | 18451                      | 15683                 |

Note that both theoretical and actual torque values are listed, but that Pengo recommends to go by ACTUAL torque listings.

REFERENCE TORQUE CHART (HT / LS)

| Pressure (psi) | THEORETICAL Torque (ft/lb) | ACTUAL Torque (ft/lb) |
|----------------|----------------------------|-----------------------|
| 2000           | 22386                      | 19028                 |
| 2200           | 24625                      | 20931                 |
| 2400           | 26863                      | 22834                 |
| 2600           | 29102                      | 24737                 |
| 2800           | 31341                      | 26640                 |
| 3000           | 33579                      | 28542                 |
| 3200           | 35818                      | 30445                 |
| 3400           | 38057                      | 32348                 |
| 3600           | 40295                      | 34251                 |
| 3800           | 42534                      | 36154                 |
| 4000           | 44772                      | 38056                 |



LOW TORQUE/HIGH SPEED OUTPUT

HIGH TORQUE/LOW SPEED OUTPUT

## MOUNTS for DV-40

Pengo offers a complete excavator mounting systems for the DV-40 unit. These mounts can be mounted directly to the stick or designed to work with an existing quick coupler.

Custom mounts can be designed for specific applications.



Excavator Mounts allow for maximum movement to ensure the Drive always hangs true to the ground.

75MM Pin

LBS | 19.5

PN | 660554

75MM Link Arm

LBS | 137

PN | 610202

130MM SQ Drive Tool

LBS | 127.5

PN | 610301

Pengo lists output speeds at both theoretical and actual. Actual torque numbers are NOT listed at 100% efficiency. Maximum efficiencies have been applied to the torque and speed charts according to the manufacturer's recommendations. Speed and torque output are dependent on the overall system efficiencies associated with the prime movers hydraulic system. When the purchaser is determining criteria for specific applications please contact Pengo. Pengo has made every attempt to present accurate and suitable information published in this document. This document should be used for information and comparative purposes only. When application-specific information is required, please contact Pengo.