

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

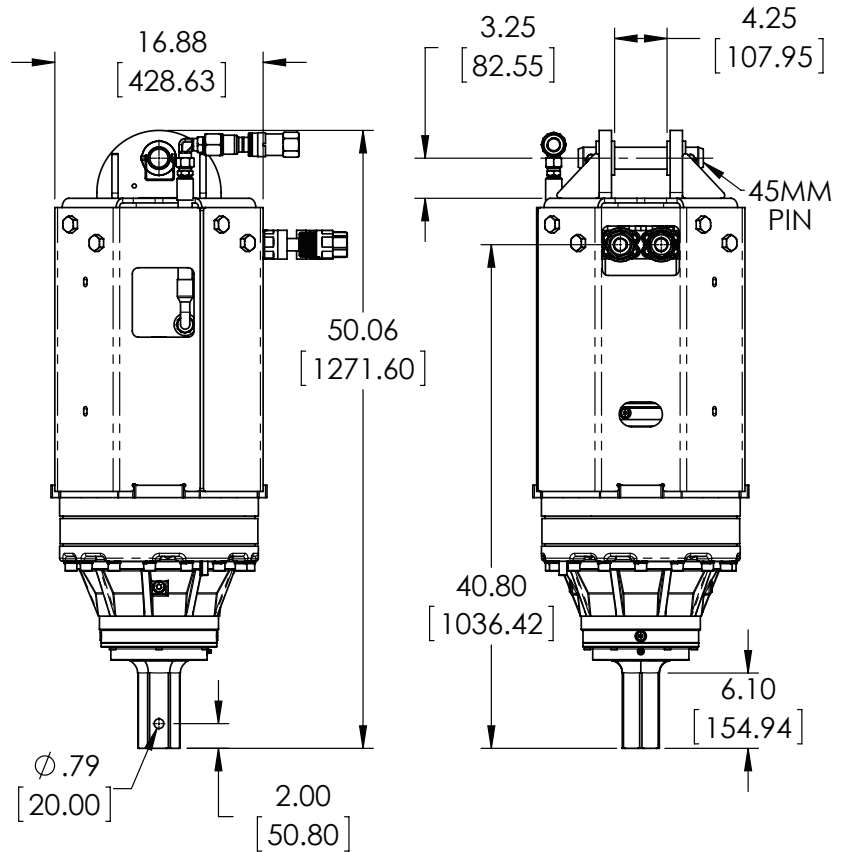
REFERENCE TORQUE CHART (LT / HS)

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.



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

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.

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

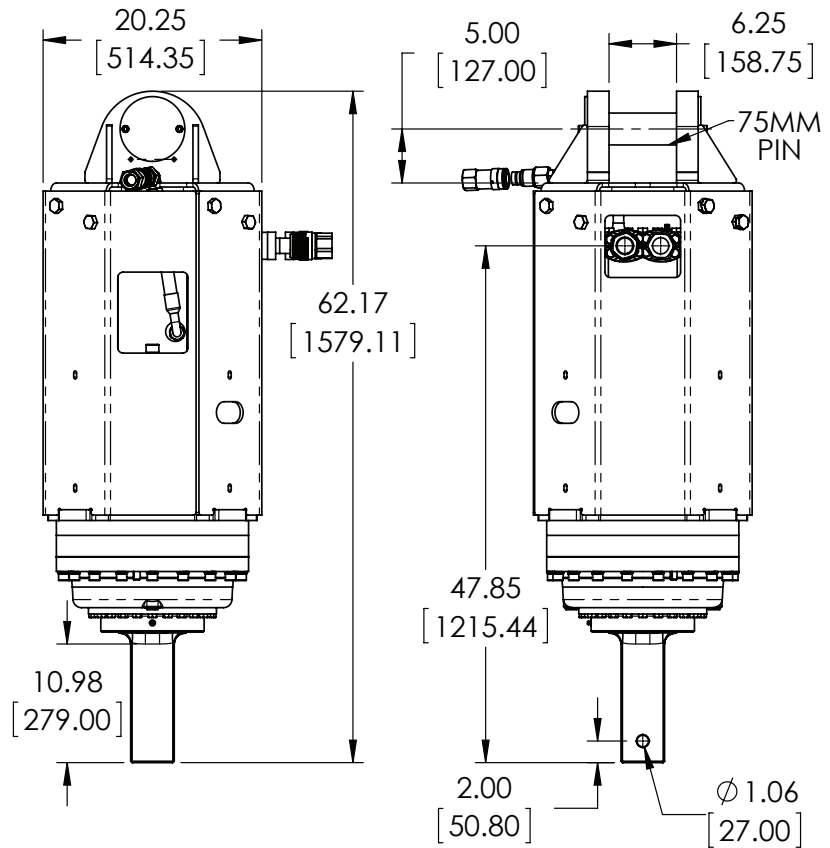
REFERENCE TORQUE CHART (LT / HS)

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

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

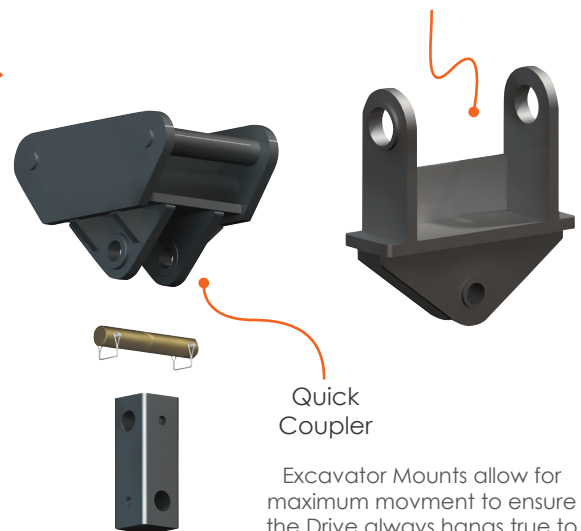
Note that both theoretical and actual torque values are listed, but that Pengo recommends to go by ACTUAL torque listings.



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

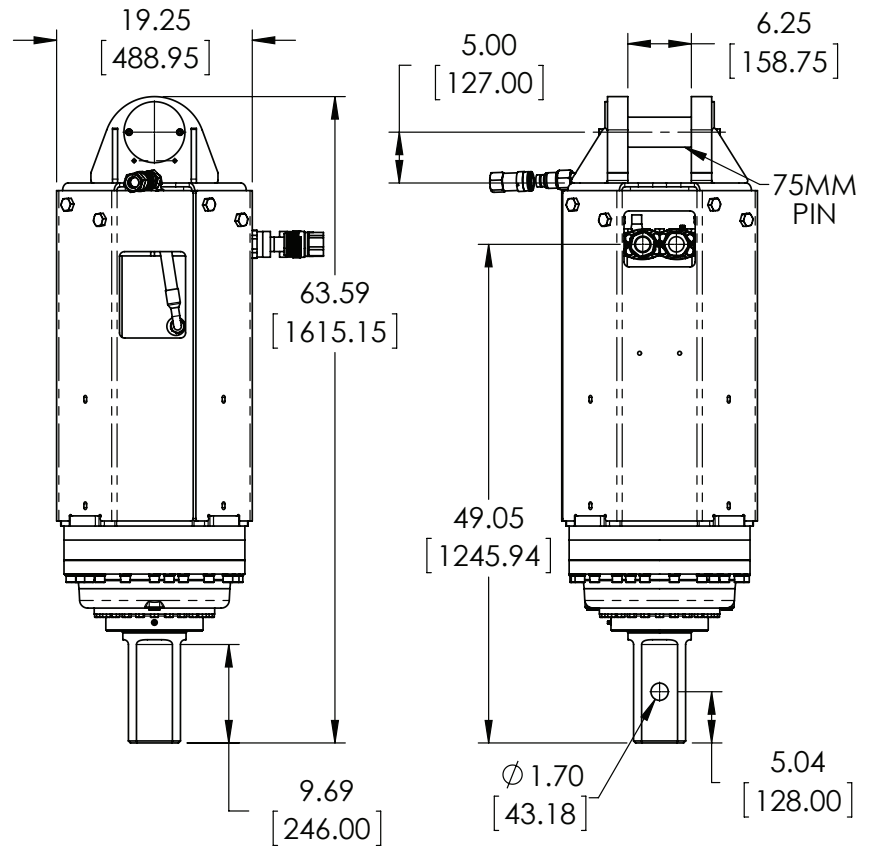
REFERENCE TORQUE CHART (LT / HS)

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.