



DRIVES

LET'S BREAK
GROUND
TOGETHER



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powerful construction attachments

Revolution Drives and Excavator Augers



DRIVE SELECTION GUIDE

PENGO's Revolution Series Drives are designed to outfit several different types of equipment. This selection guide will assist you in selection the right model for your equipment type.



power pack



compact skid-steer



mini excavator



skid-steer



mini digger derrick



digger derrick



backhoe



excavator

DRILLING DRIVE "D" SERIES

Designed for Drilling Applications

| Part No. | Model | Connection | Speed Config. | Max Flow (gpm) | Max Pressure (psi) | Torque Low (ft/lbs) | Torque High (ft/lbs) | Speed (rpm) | Recommended Prime Mover | | | | | | Excavator Size (metric tons) | |
|----------|-------|------------|---------------|----------------|--------------------|---------------------|----------------------|-------------|-------------------------|----------------------|-----------------|-------------------|----------------|---------------|------------------------------|-----------|
| | | | | | | | | | Power Pack | Compt Digger Derrick | Compt Excavator | Skid Steer Loader | Digger Derrick | Backhoe (TLB) | | Excavator |
| 610171 | DS-2 | H-200 | Sngl | 25 | 3000 | 0 | 2356 | 65 | ■ | ■ | ■ | | | | | 2T - 3T |
| 610267 | DS-2 | R-256 | Sngl | 25 | 3000 | 0 | 2356 | 65 | ■ | ■ | ■ | | | | | 2T - 3T |
| 610172 | DS-3 | H-200 | Sngl | 25 | 3000 | 0 | 3859 | 40 | ■ | ■ | ■ | | | | | 2T - 4T |
| 610173 | DT-5 | H-250 | Two | 40 | 3000 | 2465 | 4930 | 50 / 100 | ■ | ■ | ■ | | ■ | | | 5T - 8T |
| 610174 | DT-15 | H-300 | Two | 50 | 3000 | 7738 | 15478 | 20 / 40 | | | | | ■ | ■ | ■ | 17T - 25T |
| 610442 | DV-20 | H-300 | Var | 60 | 4000 | 13337 | 22507 | 24 / 40 | | | | | | ■ | ■ | 17T - 25T |
| 610384 | DV-30 | S-400 | Var | 60 | 4000 | 13048 | 31661 | 18 / 41 | | | | | | | ■ | 20T - 30T |
| 610385 | DV-40 | 130mm | Var | 60 | 4000 | 15683 | 38056 | 14 / 34 | | | | | | | ■ | 20T - 30T |

ANCHOR DRIVE "R" SERIES

Designed for Anchor Installation Applications

| Part No. | Model | Connection | Speed Config. | Max Flow (gpm) | Max Pressure (psi) | Torque Low (ft/lbs) | Torque High (ft/lbs) | Speed (rpm) | Recommended Prime Mover | | | | | | Excavator Size (metric tons) | |
|----------|--------|------------|---------------|----------------|--------------------|---------------------|----------------------|-------------|-------------------------|----------------------|-----------------|-------------------|----------------|---------------|------------------------------|-----------|
| | | | | | | | | | Power Pack | Compt Digger Derrick | Compt Excavator | Skid Steer Loader | Digger Derrick | Backhoe (TLB) | | Excavator |
| 610206 | RS-7X | H-200 | Sngl | 25 | 2500 | 0 | 7512 | 18 | ■ | | | | | | | NA |
| 610207 | RS-7 | H-200 | Sngl | 25 | 2500 | 0 | 7512 | 18 | | ■ | ■ | ■ | | | | 5T - 8T |
| 610057 | RS-12 | H-250 | Sngl | 40 | 3000 | 0 | 13014 | 18 | | | ■ | ■ | ■ | ■ | | 11T - 17T |
| 610058 | RT-9 | H-250 | Two | 50 | 3000 | 4925 | 9850 | 31 / 63 | | | ■ | ■ | ■ | ■ | | 8T - 13T |
| 610059 | RT-12 | H-250 | Two | 50 | 3000 | 5753 | 12330 | 25 / 54 | | | ■ | ■ | ■ | ■ | | 11T - 17T |
| 610060 | RT-20 | H-300 | Two | 50 | 3000 | 11331 | 22662 | 13 / 25 | | | | | | ■ | ■ | 17T - 25T |
| 610061 | RT-30 | S-400 | Two | 50 | 3000 | 15234 | 30470 | 9 / 19 | | | | | | | ■ | 20T - 30T |
| 610062 | RT-40 | 130mm | Two | 50 | 3000 | 19757 | 39514 | 7 / 15 | | | | | | | ■ | 20T - 30T |
| 610063 | RV-70 | 150mm | Var | 150 | 3500 | 34547 | 69126 | 17 / 33 | | | | | | | ■ | 30T - 40T |
| 610064 | RV-100 | 177mm | Var | 150 | 3500 | 55209 | 110418 | 10 / 20 | | | | | | | ■ | 60T - 90T |
| 610065 | RV-140 | 177mm | Var | 150 | 3500 | 70326 | 140652 | 8 / 16 | | | | | | | ■ | 90T |
| 610547 | RV-200 | 200mm | Var | 150 | 3500 | 105896 | 211794 | 5 / 10 | | | | | | | ■ | 90T |

CONNECTIONS: H-200 = 2" Hex, R-256 = 2 9/16" Round, H-250 = 2 1/2" Hex, H-300 = 3" Hex, and S-400 = 4" Square, MM Hubs are Square



REVOLUTION SERIES

FEATURES

- o Large highly efficient gearboxes, designed specifically for long duty cycles.
- o Standard cross-over pressure relief systems to protect the motor from pressure spikes.
- o Two piece bail housing design allows top section to be removed for easy motor access.
- o Single and Two speed models do not require drain lines.
- o All models are designed to be outfitted with PENGO's RevTrak torque monitoring system.
- o All two speed models are equipped with a pressure activated auto shift feature.
- o **Accurate torque and speed specifications.** PENGO ensures that all torque and speed specifications have maximum efficiencies applied to provide the most accurate specifications possible. None of the specifications are listed at 100% theoretical values.

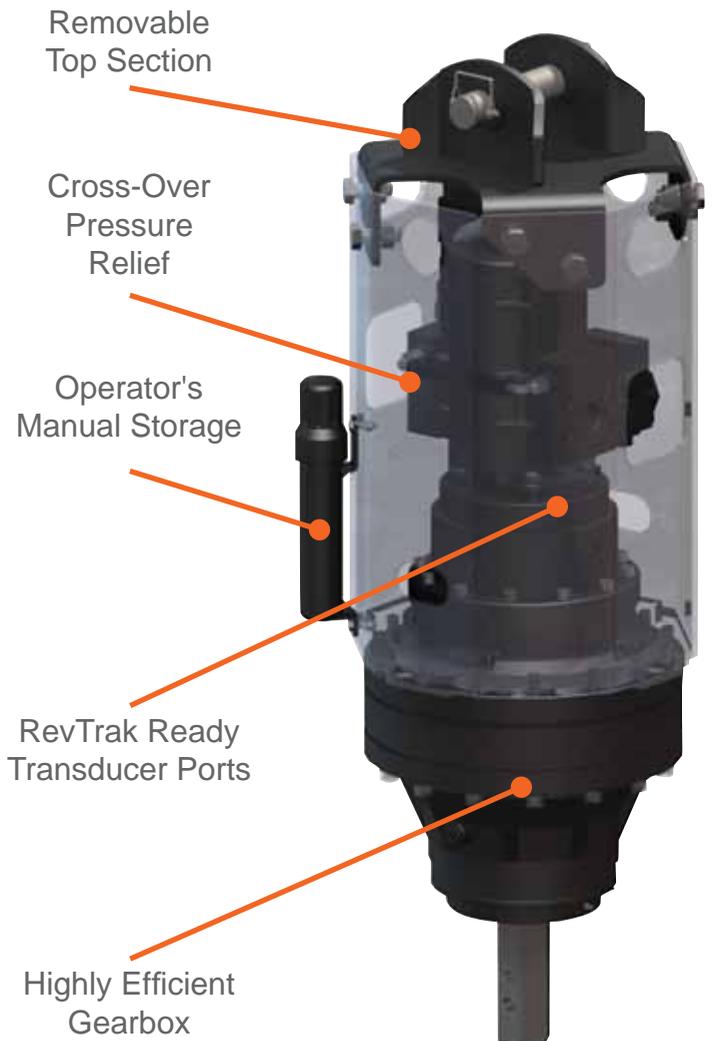
COMPLETE SYSTEM

PENGO offers a complete Drive package which includes:

- o Mounting Brackets for:
 - Skid Loaders
 - Backhoe Loaders
 - Excavators (Compact & Large)
- o Anchor drive tool adapters.
- o RevTrak digital torque monitoring system.

APPLICATIONS

- o **Anchoring:** The RS, RT and RV models are designed specifically for the anchor installation industry. The high torque and slow speed configuration is ideal for anchor applications.
- o **Drilling:** The DS, DT and DV series are ideal for various types of drilling applications. Torque ranges from 2,500 ft/lb to 40,000 ft/lb.





MS-100 | SINGLE SPEED

FEATURES

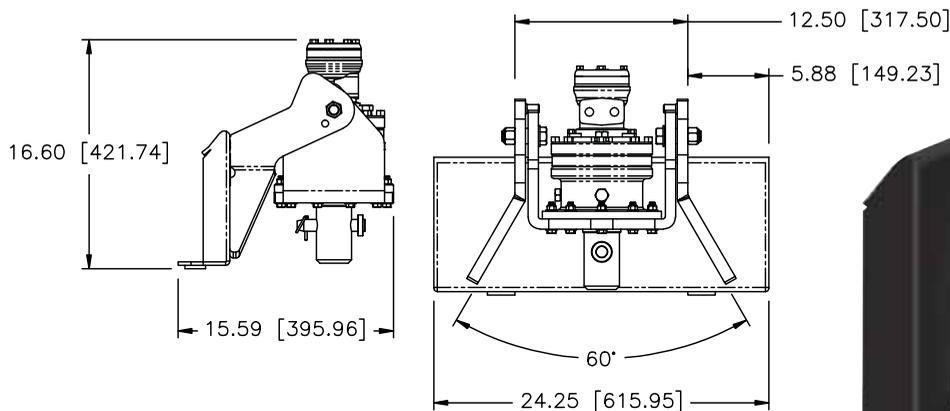
- Compact Size
- Universal Compact Skid Mount Included
- Hydraulic Hoses Included



| PART NO. | MODEL | CONNECTION | SWIVEL TYPE |
|----------|--------|------------|-------------|
| 700107 | MS-100 | R-256 | Single |
| 700302 | MS-100 | R-256 | Double |
| 700152 | MS-100 | H-200 | Single |
| 700312 | MS-100 | H-200 | Double |

ACCESSORIES

- 700215 Double Swivel Bracket Assy
151605 Pin Assy 7/8"



| TOTAL UNIT WEIGHT | |
|-------------------------------|-----------------------------|
| 146 LBS / 66 Kg | |
| HYDRAULIC MOTOR INFORMATION | |
| Displacement | 6.1 cu/in (100cc) |
| Motor Type | Single Speed Bi-Directional |
| Motor Output Shaft | 7/8" Spline 14T |
| Motor Mount | SAE - A 2 Bolt |
| Motor Ports | 1/2" BSP |
| Cross Over Pressure Relief | Not Equipped |
| PLANETARY GEARBOX INFORMATION | |
| Gearbox Type | Planetary Single Stage |
| Reduction Ratio | 5.77:1 |
| Output Shaft | 2" Hex or 2-9/16" Round |
| Oil Capacity | .31 Gallons |
| Oil Type | SAE 80W90 GL-5 |

| REFERENCE TORQUE CHART | | |
|------------------------|-----------------|--|
| Pressure PSI (Bar) | Torque (ft/lbs) | |
| 1600 (110) | 613 | |
| 1800 (124) | 689 | |
| 2000 (137) | 766 | |
| 2200 (151) | 842 | |
| 2400 (165) | 919 | |
| 2600 (179) | 995 | |
| 2800 (193) | 1073 | |
| 3000 (206) | 1149 | |

| REFERENCE SPEED CHART | | |
|-----------------------|-------------|--|
| Flow GPM (Liter) | Speed (rpm) | |
| 10 (38) | 54 | |
| 15 (56) | 80 | |
| 20 (75) | 108 | |
| 25 (94) | 134 | |

Note: Revolution Drive units are not recommended for DTH and will not be covered under warranty for damage due to down the hole drilling.

Output speed and torque specifications are NOT listed at 100% efficiency. Maximum efficiencies have been applied to the torque and speed charts according to the manufacturers recommendations. Speed and torque output are dependant 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 on this document. This document should be used for information and comparative purposes only. When application specific information is required, please contact Pengo.



MS-125 | SINGLE SPEED

FEATURES

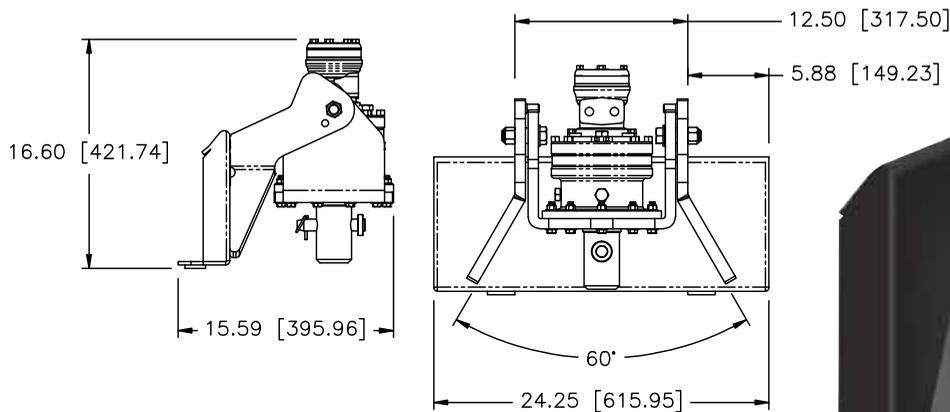
- Compact Size
- Universal Compact Skid Mount Included
- Hydraulic Hoses Included



| PART NO. | MODEL | CONNECTION | SWIVEL TYPE |
|----------|--------|------------|-------------|
| 700106 | MS-125 | R-256 | Single |
| 700303 | MS-125 | R-256 | Double |
| 700153 | MS-125 | H-200 | Single |
| 700313 | MS-125 | H-200 | Double |

ACCESSORIES

- 700215 Double Swivel Bracket Assy
151605 Pin Assy 7/8"



| TOTAL UNIT WEIGHT | |
|-------------------------------|-----------------------------|
| 146 LBS / 66 Kg | |
| HYDRAULIC MOTOR INFORMATION | |
| Displacement | 7.3 cu/in (120cc) |
| Motor Type | Single Speed Bi-Directional |
| Motor Output Shaft | 7/8" Spline 14T |
| Motor Mount | SAE - A 2 Bolt |
| Motor Ports | 7/8" - 14 O-Ring |
| Cross Over Pressure Relief | Not Equipped |
| PLANETARY GEARBOX INFORMATION | |
| Gearbox Type | Planetary Single Stage |
| Reduction Ratio | 5.77:1 |
| Output Shaft | 2" Hex or 2-9/16" Round |
| Oil Capacity | .31 Gallons |
| Oil Type | SAE 80W90 GL-5 |

| REFERENCE TORQUE CHART | | |
|------------------------|-----------------|--|
| Pressure PSI (Bar) | Torque (ft/lbs) | |
| 1600 (110) | 736 | |
| 1800 (124) | 827 | |
| 2000 (137) | 919 | |
| 2200 (151) | 1011 | |
| 2400 (165) | 1103 | |
| 2600 (179) | 1195 | |
| 2800 (193) | 1287 | |
| 3000 (206) | 1378 | |

| REFERENCE SPEED CHART | | |
|-----------------------|-------------|--|
| Flow GPM (Liter) | Speed (rpm) | |
| 10 (38) | 45 | |
| 15 (56) | 67 | |
| 20 (75) | 90 | |
| 25 (94) | 112 | |

Note: Revolution Drive units are not recommended for DTH and will not be covered under warranty for damage due to down the hole drilling.

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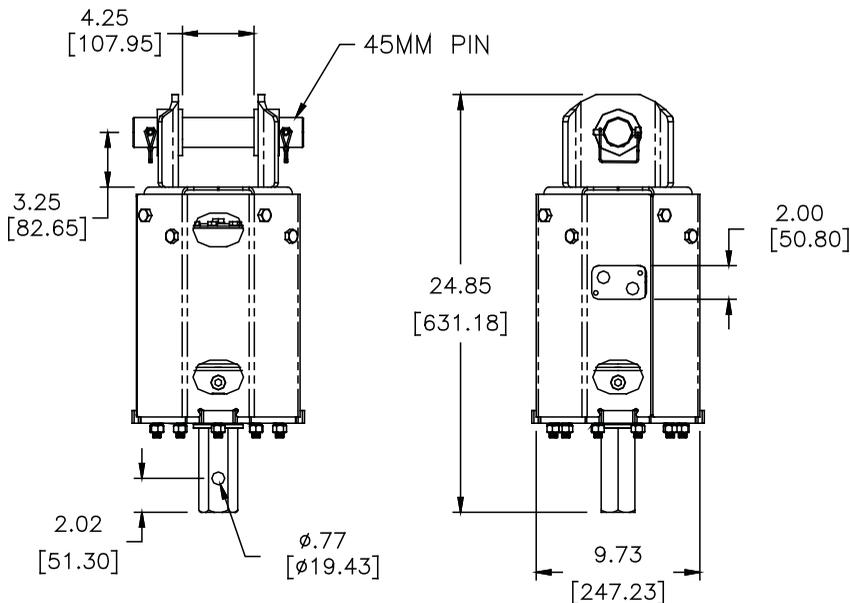


DS-2 | SINGLE SPEED

| PART NO. | APPLICATION | CONNECTION | EXCAVATOR |
|----------|-------------|------------|-----------|
| 610171 | DRILLING | H-200 | 2T-3T |
| 610267 | DRILLING | R-256 | 2T-3T |

ACCESSORIES

| | |
|--------|-------------------------------------------|
| 661111 | Universal Mounting Plate for Skid-Steer |
| 661318 | Long Reach Universal Mount for Skid-Steer |
| 660555 | Link Arm 45mm |
| 660558 | Pin Assembly 45mm |



| | |
|--------------------------------------|-----------------------------|
| TOTAL UNIT WEIGHT | 115 LBS / 52 Kg |
| HYDRAULIC MOTOR INFORMATION | |
| Displacement | 12.5 cu/in (205cc) |
| Motor Type | Single Speed Bi-Directional |
| Motor Output Shaft | 7/8" Spline 14T |
| Motor Mount | SAE - A 2 Bolt |
| Motor Ports | 1/2" BSP |
| Cross Over Pressure Relief | Not Equipped |
| PLANETARY GEARBOX INFORMATION | |
| Gearbox Type | Planetary Single Stage |
| Reduction Ratio | 5.77:1 |
| Output Shaft | 2" Hex or 2-9/16" Round |
| Oil Capacity | .31 Gallons |
| Oil Type | SAE 80W90 GL-5 |
| Shaft Pull Out (lbs.) | 3,000 lbs. |

| REFERENCE TORQUE CHART | | |
|------------------------|-----------------|--|
| Pressure PSI (Bar) | Torque (ft/lbs) | |
| 1600 (110) | 1256 | |
| 1800 (124) | 1413 | |
| 2000 (137) | 1570 | |
| 2200 (151) | 1728 | |
| 2400 (165) | 1884 | |
| 2600 (179) | 2042 | |
| 2800 (193) | 2198 | |
| 3000 (206) | 2356 | |

| REFERENCE SPEED CHART | | |
|-----------------------|-------------|--|
| Flow GPM (Liter) | Speed (rpm) | |
| 10 (38) | 26 | |
| 15 (56) | 39 | |
| 20 (75) | 52 | |
| 25 (94) | 66 | |

Note: Revolution Drive units are not recommended for DTH and will not be covered under warranty for damage due to down the hole drilling.

Output speed and torque specifications are NOT listed at 100% efficiency. Maximum efficiencies have been applied to the torque and speed charts according to the manufacturers recommendations. Speed and torque output are dependant 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 on this document. This document should be used for information and comparative purposes only. When application specific information is required, please contact Pengo.

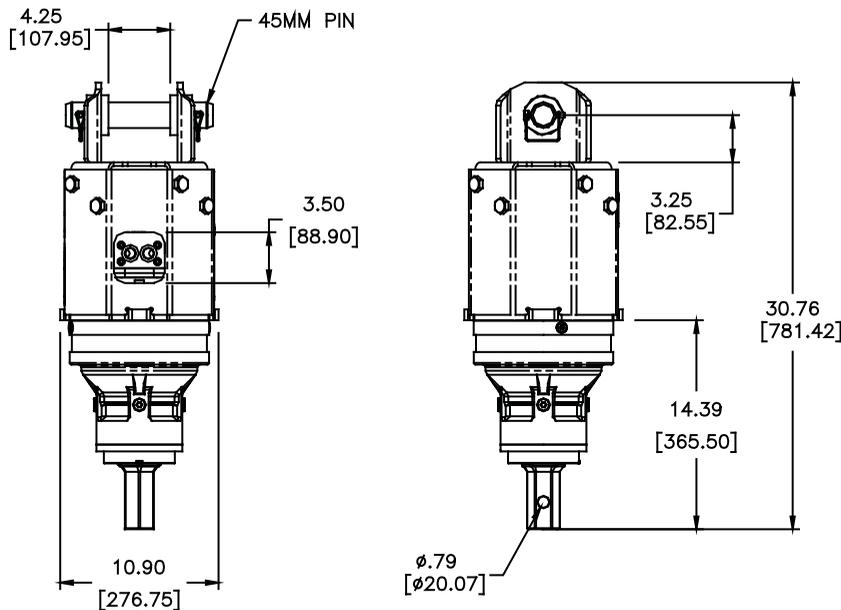


DS-3 | SINGLE SPEED

| PART NO. | APPLICATION | CONNECTION | EXCAVATOR |
|----------|-------------|------------|-----------|
| 610172 | DRILLING | H-200 | 2T-4T |

ACCESSORIES

| | |
|--------|-------------------------------------------|
| 661111 | Universal Mounting Plate for Skid-Steer |
| 661318 | Long Reach Universal Mount for Skid-Steer |
| 660555 | Link Arm 45mm |
| 660558 | Pin Assembly 45mm |



| | |
|--------------------------------------|-----------------------------|
| TOTAL UNIT WEIGHT | 170 LBS / 77 Kg |
| HYDRAULIC MOTOR INFORMATION | |
| Displacement | 8.0 cu/in (131cc) |
| Motor Type | Single Speed Bi-Directional |
| Motor Output Shaft | 1" 6-B Spline |
| Motor Mount | SAE - A 2 Bolt |
| Motor Ports | 7/8" - 14 O-Ring |
| Cross Over Pressure Relief | Not Equipped |
| PLANETARY GEARBOX INFORMATION | |
| Gearbox Type | Planetary Two Stage |
| Reduction Ratio | 14.79:1 |
| Output Shaft | 2" Hex |
| Oil Capacity | .87 Gallons |
| Oil Type | SAE 80W90 GL-5 |
| Shaft Pull Out (lbs.) | 7,000 lbs. |

| REFERENCE TORQUE CHART | |
|------------------------|-----------------|
| Pressure PSI (Bar) | Torque (ft/lbs) |
| 1600 (110) | 2058 |
| 1800 (124) | 2315 |
| 2000 (137) | 2572 |
| 2200 (151) | 2830 |
| 2400 (165) | 3087 |
| 2600 (179) | 3344 |
| 2800 (193) | 3601 |
| 3000 (206) | 3859 |

| REFERENCE SPEED CHART | |
|-----------------------|-------------|
| Flow GPM (Liter) | Speed (rpm) |
| 10 (38) | 16 |
| 15 (56) | 24 |
| 20 (75) | 32 |
| 25 (94) | 40 |

Note: Revolution Drive units are not recommended for DTH and will not be covered under warranty for damage due to down the hole drilling.

Output speed and torque specifications are NOT listed at 100% efficiency. Maximum efficiencies have been applied to the torque and speed charts according to the manufacturers recommendations. Speed and torque output are dependant 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 on this document. This document should be used for information and comparative purposes only. When application specific information is required, please contact Pengo.

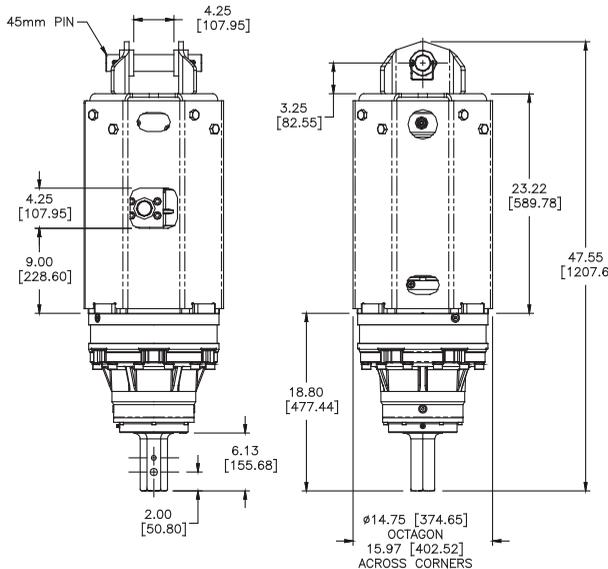


DT-5 | TWO SPEED

| PART NO. | APPLICATION | CONNECTION | EXCAVATOR |
|----------|-------------|------------|-----------|
| 610173 | DRILLING | H-250 | 5T-8T |

ACCESSORIES

- 661111 Universal Mounting Plate for Skid-Steer
- 661318 Long Reach Universal Mount for Skid-Steer
- 610309 RevTrak™ Monitoring System
- 610314 DT-5 Drive with RevTrak Installed
- 660555 Link Arm 45mm
- 660558 Pin Assembly 45mm



**AUTO
SHIFT**

**H
HIGH
SPEED**

| TOTAL UNIT WEIGHT | 645 LBS / 292 Kg |
|-------------------------------|--------------------------|
| HYDRAULIC MOTOR INFORMATION | |
| Displacement | 2.98 cu/in (97.6cc) |
| Motor Type | Two Speed Bi-Directional |
| Motor Output Shaft | 1-1/4" Spline 14T |
| Motor Mount | SAE - C 4 Bolt |
| Motor Ports | 1-5/8" - 12 UN-2B |
| Cross Over Pressure Relief | Set @ 3100 psi |
| PLANETARY GEARBOX INFORMATION | |
| Gearbox Type | Planetary Two Stage |
| Reduction Ratio | 25.36:1 |
| Output Shaft | 2-1/2" Hex |
| Oil Capacity | 1.7 Gallons |
| Oil Type | SAE 80W90 GL-5 |
| Shaft Pull Out (lbs.) | 22,500 lbs. |

TWO SPEED MODELS MUST HAVE A MINIMUM OF 20GPM.

Note: Revolution Drive units are not recommended for DTH and will not be covered under warranty for damage due to down the hole drilling.

Output speed and torque specifications are NOT listed at 100% efficiency. Maximum efficiencies have been applied to the torque and speed charts according to the manufacturers recommendations. Speed and torque output are dependant 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 on this document. This document should be used for information and comparative purposes only. When application specific information is required, please contact Pengo.

| REFERENCE TORQUE CHART | | |
|------------------------|----------------------|---------------------|
| Pressure PSI (Bar) | High Torque (ft/lbs) | Low Torque (ft/lbs) |
| 1600 (110) | 2629 | 1314 |
| 1800 (124) | 2958 | 1478 |
| 2000 (137) | 3287 | 1643 |
| 2200 (151) | 3615 | 1807 |
| 2400 (165) | 3943 | 1971 |
| 2600 (179) | 4272 | 2136 |
| 2800 (193) | 4601 | 2300 |
| 3000 (206) | 4930 | 2465 |

| REFERENCE SPEED CHART | | |
|-----------------------|-----------------|------------------|
| Flow GPM (Liter) | Low Speed (rpm) | High Speed (rpm) |
| 20 (75) | 25 | 50 |
| 25 (95) | 31 | 63 |
| 30 (113) | 38 | 75 |
| 35 (132) | 44 | 88 |
| 40 (151) | 50 | 100 |

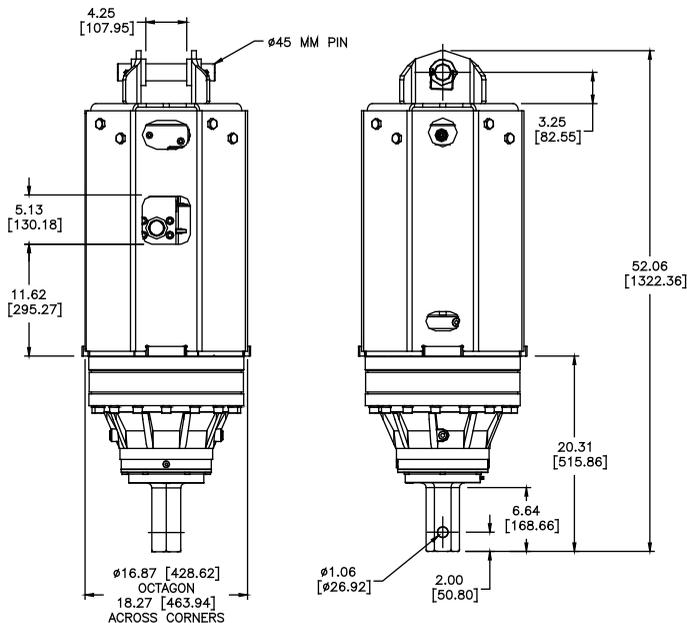


DT-15 | TWO SPEED

| PART NO. | APPLICATION | CONNECTION | EXCAVATOR |
|----------|-------------|------------|-----------|
| 610174 | DRILLING | H-300 | 17T-25T |

ACCESSORIES

| | |
|--------|------------------------------------|
| 610309 | RevTrak™ Monitoring System |
| 610315 | DT-15 Drive with RevTrak Installed |
| 660555 | Link Arm 45mm |
| 660558 | Pin Assembly 45mm |



| TOTAL UNIT WEIGHT | 825 LBS / 374 Kg |
|-------------------------------|--------------------------|
| HYDRAULIC MOTOR INFORMATION | |
| Displacement | 17.8 cu/in (293cc) |
| Motor Type | Two Speed Bi-Directional |
| Motor Output Shaft | 1-1/4" Spline 14T |
| Motor Mount | SAE - C 4 Bolt |
| Motor Ports | 1-5/8" - 12 UN-2B |
| Cross Over Pressure Relief | Set @ 3100 psi |
| PLANETARY GEARBOX INFORMATION | |
| Gearbox Type | Planetary Two Stage |
| Reduction Ratio | 26.52:1 |
| Output Shaft | 3" Hex |
| Oil Capacity | 2.4 Gallons |
| Oil Type | SAE 80W90 GL-5 |
| Shaft Pull Out (lbs.) | 22,500 lbs. |

TWO SPEED MODELS MUST HAVE A MINIMUM OF 20GPM.

Note: Revolution Drive units are not recommended for DTH and will not be covered under warranty for damage due to down the hole drilling.

Output speed and torque specifications are NOT listed at 100% efficiency. Maximum efficiencies have been applied to the torque and speed charts according to the manufacturers recommendations. Speed and torque output are dependant 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 on this document. This document should be used for information and comparative purposed only. When application specific information is required, please contact Pengo.

| REFERENCE TORQUE CHART | | |
|------------------------|----------------------|---------------------|
| Pressure PSI (Bar) | High Torque (ft/lbs) | Low Torque (ft/lbs) |
| 1600 (110) | 8254 | 4127 |
| 1800 (124) | 9287 | 4643 |
| 2000 (137) | 10318 | 5159 |
| 2200 (151) | 11350 | 5674 |
| 2400 (165) | 12382 | 6191 |
| 2600 (179) | 13414 | 6707 |
| 2800 (193) | 14445 | 7223 |
| 3000 (206) | 15478 | 7738 |

| REFERENCE SPEED CHART | | |
|-----------------------|-----------------|------------------|
| Flow GPM (Liter) | Low Speed (rpm) | High Speed (rpm) |
| 20 (75) | 8 | 16 |
| 30 (113) | 12 | 24 |
| 40 (151) | 16 | 32 |
| 50 (190) | 20 | 40 |

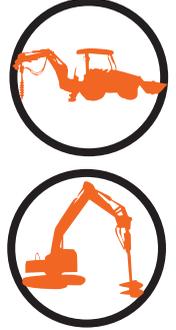
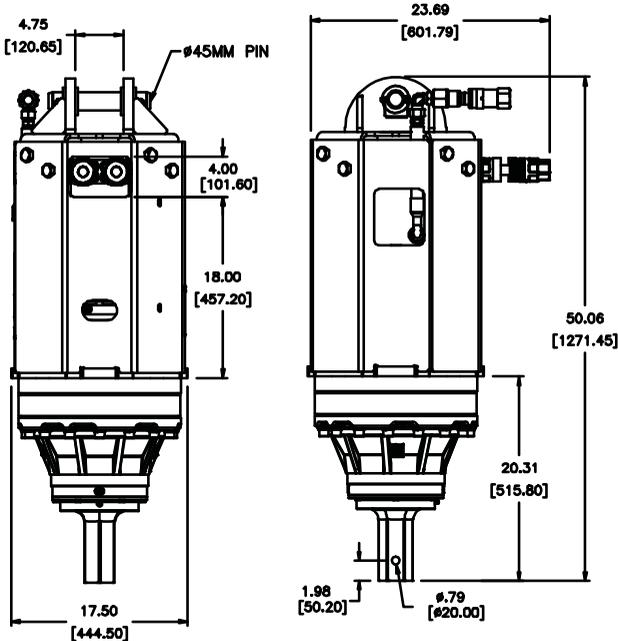


DV-20 | VARIABLE SPEED

| PART NO. | APPLICATION | CONNECTION | EXCAVATOR |
|----------|-------------|------------|-----------|
| 610442 | DRILLING | H-300 | 20T-30T |

ACCESSORIES

| | |
|--------|----------------------------|
| 610309 | RevTrak™ Monitoring System |
| 660555 | Link Arm 45mm |
| 660558 | Pin Assembly 45mm |



| | |
|--------------------------------------|-------------------------------|
| TOTAL UNIT WEIGHT | 880 LBS / 400 Kg |
| 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 | Radial (Quick Coupler) |
| Cross Over Pressure Relief | None |
| PLANETARY GEARBOX INFORMATION | |
| Gearbox Type | Planetary Three Stage |
| Reduction Ratio | 60.56:1 |
| Output Shaft | 3" Hex |
| Oil Capacity | 2.6 Gallons |
| Oil Type | SAE 80W90 GL-5 |
| Shaft Pull Out (lbs.) | 45,000 lbs. |

| REFERENCE TORQUE CHART | | |
|------------------------|----------------------|---------------------|
| Pressure PSI (Bar) | High Torque (ft/lbs) | Low Torque (ft/lbs) |
| 2600 (179) | 14629 | 8669 |
| 2800 (193) | 15755 | 9336 |
| 3000 (206) | 16880 | 10003 |
| 3200 (220) | 18006 | 10670 |
| 3400 (234) | 19131 | 11336 |
| 3600 (248) | 20256 | 12004 |
| 3800 (262) | 21382 | 12671 |
| 4000 (275) | 22507 | 13337 |

| REFERENCE SPEED CHART | | |
|-----------------------|---------------|----------------|
| Flow GPM (Liter) | Low Spd (rpm) | High Spd (rpm) |
| 40 (150) | 16 | 27 |
| 45 (169) | 18 | 30 |
| 50 (188) | 20 | 33 |
| 55 (206) | 22 | 37 |
| 60 (225) | 24 | 40 |

VARIABLE SPEED MODELS MUST HAVE A DRIAN LINE.

Note: Revolution Drive units are not recommended for DTH and will not be covered under warranty for damage due to down the hole drilling.

Output speed and torque specifications are NOT listed at 100% efficiency. Maximum efficiencies have been applied to the torque and speed charts according to the manufacturers recommendations. Speed and torque output are dependant 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 on this document. This document should be used for information and comparative purposed only. When application specific information is required, please contact Pengo.

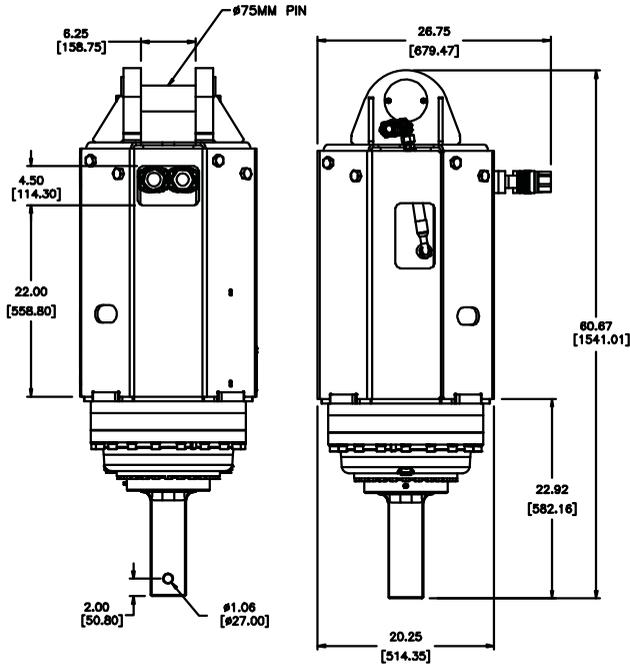


DV-30 | VARIABLE SPEED

| PART NO. | APPLICATION | CONNECTION | EXCAVATOR |
|----------|-------------|------------|-----------|
| 610384 | DRILLING | S-400 | 20T-30T |

ACCESSORIES

| | |
|--------|----------------------------|
| 610309 | RevTrak™ Monitoring System |
| 610202 | Link Arm 75mm |
| 660554 | Pin Assembly 75mm |



| | |
|--------------------------------------|-------------------------------|
| TOTAL UNIT WEIGHT | 1250 LBS / 566 Kg |
| HYDRAULIC MOTOR INFORMATION | |
| Displacement | 10.06 cu/in (165cc) |
| Motor Type | Variable Speed Bi-Directional |
| Motor Output Shaft | 1-1/4" Spline 13T |
| Motor Mount | SAE - D 2 Bolt |
| Motor Ports | Radial (Quick Coupler) |
| Cross Over Pressure Relief | None |
| PLANETARY GEARBOX INFORMATION | |
| Gearbox Type | Planetary Three Stage |
| Reduction Ratio | 69.7:1 |
| Output Shaft | 4" Square |
| Oil Capacity | 3.1 Gallons |
| Oil Type | SAE 80W90 GL-5 |
| Shaft Pull Out (lbs.) | 60,000 lbs. |

VARIABLE SPEED MODELS MUST HAVE A DRIAN LINE.

Note: Revolution Drive units are not recommended for DTH and will not be covered under warranty for damage due to down the hole drilling.

Output speed and torque specifications are NOT listed at 100% efficiency. Maximum efficiencies have been applied to the torque and speed charts according to the manufacturers recommendations. Speed and torque output are dependant 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 on this document. This document should be used for information and comparative purposes only. When application specific information is required, please contact Pengo.

| REFERENCE TORQUE CHART | | |
|------------------------|----------------------|---------------------|
| Pressure PSI (Bar) | High Torque (ft/lbs) | Low Torque (ft/lbs) |
| 2600 (179) | 20579 | 8481 |
| 2800 (193) | 22162 | 9133 |
| 3000 (206) | 23746 | 9786 |
| 3200 (220) | 25328 | 10438 |
| 3400 (234) | 26912 | 11091 |
| 3600 (248) | 28495 | 11743 |
| 3800 (262) | 30078 | 12396 |
| 4000 (275) | 31661 | 13048 |

| REFERENCE SPEED CHART | | |
|-----------------------|---------------|----------------|
| Flow GPM (Liter) | Low Spd (rpm) | High Spd (rpm) |
| 40 (150) | 11 | 27 |
| 45 (169) | 13 | 31 |
| 50 (188) | 14 | 34 |
| 55 (206) | 15 | 37 |
| 60 (225) | 17 | 41 |

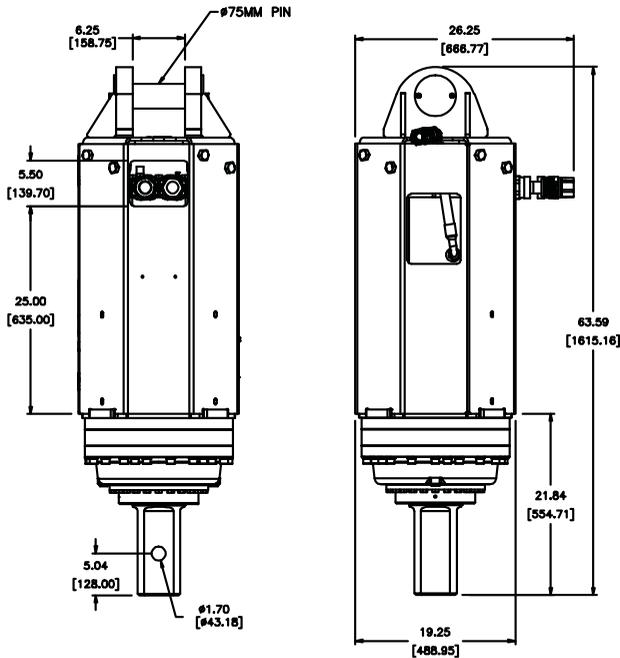


DV-40 | VARIABLE SPEED

| PART NO. | APPLICATION | CONNECTION | EXCAVATOR |
|----------|-------------|------------|-----------|
| 610385 | DRILLING | S-130mm | 20T-30T |

ACCESSORIES

| | |
|--------|----------------------------|
| 610309 | RevTrak™ Monitoring System |
| 610202 | Link Arm 75mm |
| 660554 | Pin Assembly 75mm |



| | |
|--------------------------------------|-------------------------------|
| TOTAL UNIT WEIGHT | 1500 LBS / 680 Kg |
| HYDRAULIC MOTOR INFORMATION | |
| Displacement | 10.06 cu/in (165cc) |
| Motor Type | Variable Speed Bi-Directional |
| Motor Output Shaft | 1-1/4" Spline 13T |
| Motor Mount | SAE - D 2 Bolt |
| Motor Ports | Radial (Quick Coupler) |
| Cross Over Pressure Relief | None |
| PLANETARY GEARBOX INFORMATION | |
| Gearbox Type | Planetary Three Stage |
| Reduction Ratio | 83.78:1 |
| Output Shaft | 130mm Square |
| Oil Capacity | 3.7 Gallons |
| Oil Type | SAE 80W90 GL-5 |
| Shaft Pull Out (lbs.) | 60,000 lbs. |

| REFERENCE TORQUE CHART | | |
|------------------------|----------------------|---------------------|
| Pressure PSI (Bar) | High Torque (ft/lbs) | Low Torque (ft/lbs) |
| 2600 (179) | 24737 | 10194 |
| 2800 (193) | 26640 | 10979 |
| 3000 (206) | 28542 | 11762 |
| 3200 (220) | 30445 | 12547 |
| 3400 (234) | 32348 | 13331 |
| 3600 (248) | 34251 | 14115 |
| 3800 (262) | 36154 | 14900 |
| 4000 (275) | 38056 | 15683 |

| REFERENCE SPEED CHART | | |
|-----------------------|---------------|----------------|
| Flow GPM (Liter) | Low Spd (rpm) | High Spd (rpm) |
| 40 (150) | 9 | 23 |
| 45 (169) | 10 | 25 |
| 50 (188) | 12 | 28 |
| 55 (206) | 13 | 31 |
| 60 (225) | 14 | 34 |

VARIABLE SPEED MODELS MUST HAVE A DRIAN LINE.

Note: Revolution Drive units are not recommended for DTH and will not be covered under warranty for damage due to down the hole drilling.

Output speed and torque specifications are NOT listed at 100% efficiency. Maximum efficiencies have been applied to the torque and speed charts according to the manufacturers recommendations. Speed and torque output are dependant 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 on this document. This document should be used for information and comparative purposes only. When application specific information is required, please contact Pengo.



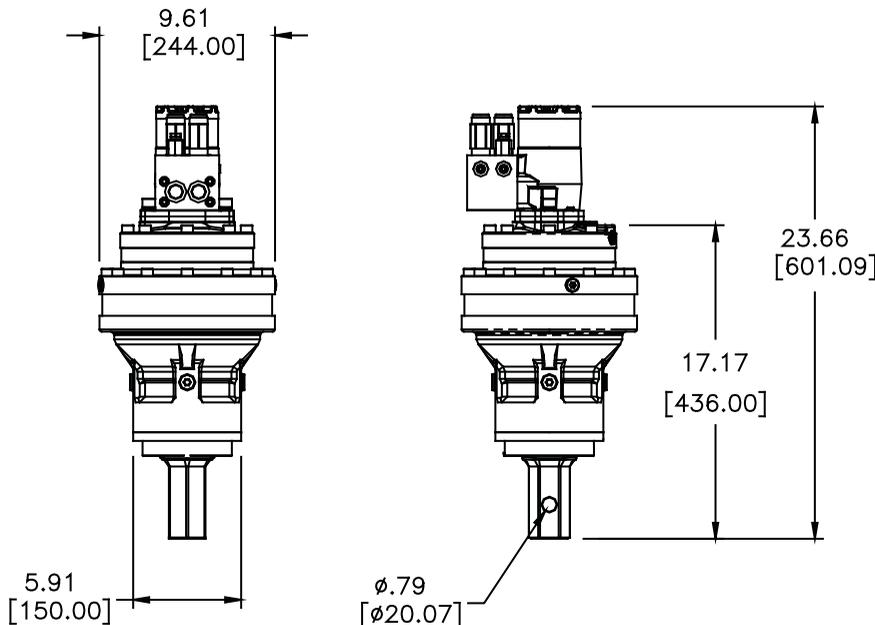
RS-7X | SINGLE SPEED



| PART NO. | APPLICATION | CONNECTION | EXCAVATOR |
|----------|-------------|------------|-----------|
| 610206 | ANCHOR | H-200 | N/A |

ACCESSORIES

| | |
|--------|------------------------------------|
| 610309 | RevTrak™ Monitoring System |
| 610317 | RS-7X Drive with RevTrak Installed |
| 610288 | Bail Assmly Kit (convert to RS-7) |



| | |
|--------------------------------------|---------------------|
| TOTAL UNIT WEIGHT | 120 LBS / 54 Kg |
| HYDRAULIC MOTOR INFORMATION | |
| Displacement | 18.7 cu/in (306cc) |
| Motor Type | Single Speed |
| Motor Output Shaft | 1" 6B Spline |
| Motor Mount | SAE - A 2 Bolt |
| Motor Ports | 3/4" - 16 O-Ring |
| Cross Over Pressure Relief | Set @ 2700 psi |
| PLANETARY GEARBOX INFORMATION | |
| Gearbox Type | Planetary Two Stage |
| Reduction Ratio | 14.79:1 |
| Output Shaft | 2" Hex |
| Oil Capacity | .87 Gallons |
| Oil Type | SAE 80W90 GL-5 |
| Shaft Pull Out (lbs.) | 7,000 lbs. |

| REFERENCE TORQUE CHART | | |
|------------------------|-----------------|--|
| Pressure PSI (Bar) | Torque (ft/lbs) | |
| 1000 (68) | 3004 | |
| 1300 (89) | 3906 | |
| 1500 (103) | 4507 | |
| 1700 (117) | 5108 | |
| 1900 (131) | 5709 | |
| 2100 (144) | 6310 | |
| 2300 (158) | 6911 | |
| 2500 (172) | 7512 | |

| REFERENCE SPEED CHART | | |
|-----------------------|-------------|--|
| Flow GPM (Liter) | Speed (rpm) | |
| 10 (37) | 7 | |
| 15 (56) | 10 | |
| 20 (75) | 14 | |
| 25 (94) | 17 | |

Note: Revolution Drive units are not recommended for DTH and will not be covered under warranty for damage due to down the hole drilling.

Output speed and torque specifications are NOT listed at 100% efficiency. Maximum efficiencies have been applied to the torque and speed charts according to the manufacturers recommendations. Speed and torque output are dependant 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 on this document. This document should be used for information and comparative purposes only. When application specific information is required, please contact Pengo.

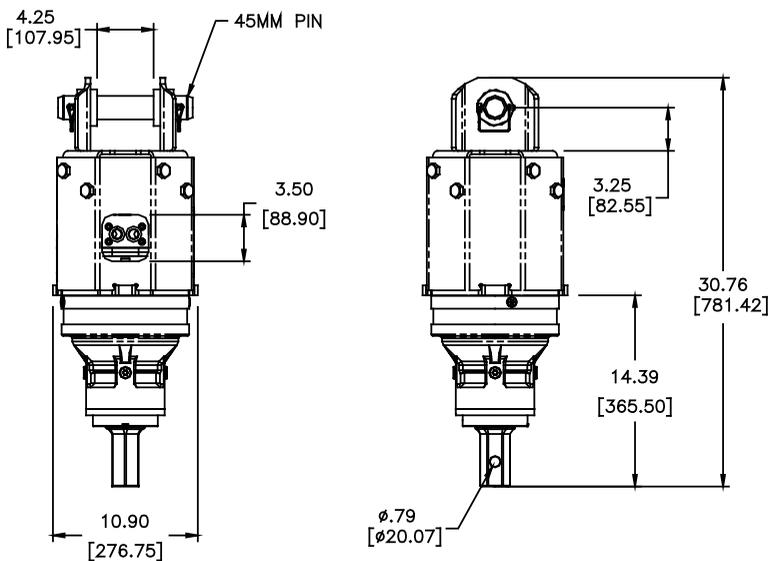


RS-7 | SINGLE SPEED

| PART NO. | APPLICATION | CONNECTION | EXCAVATOR |
|----------|-------------|------------|-----------|
| 610207 | ANCHOR | H-200 | 5T-8T |

ACCESSORIES

| | |
|--------|-------------------------------------------|
| 661111 | Universal Mounting Plate for Skid-Steer |
| 661318 | Long Reach Universal Mount for Skid-Steer |
| 610309 | RevTrak™ Monitoring System |
| 610316 | RS-7 Drive with RevTrak Installed |
| 660555 | Link Arm 45mm |
| 660558 | Pin Assembly 45mm |



| | |
|--------------------------------------|---------------------|
| TOTAL UNIT WEIGHT | 170 LBS / 77 Kg |
| HYDRAULIC MOTOR INFORMATION | |
| Displacement | 18.7 cu/in (306cc) |
| Motor Type | Single Speed |
| Motor Output Shaft | 1" 6B Spline |
| Motor Mount | SAE - A 2 Bolt |
| Motor Ports | 3/4" - 16 O-Ring |
| Cross Over Pressure Relief | Set @ 2700 psi |
| PLANETARY GEARBOX INFORMATION | |
| Gearbox Type | Planetary Two Stage |
| Reduction Ratio | 14.79:1 |
| Output Shaft | 2" Hex |
| Oil Capacity | .87 Gallons |
| Oil Type | SAE 80W90 GL-5 |
| Shaft Pull Out (lbs.) | 7,000 lbs. |

| REFERENCE TORQUE CHART | | |
|------------------------|-----------------|--|
| Pressure PSI (Bar) | Torque (ft/lbs) | |
| 1000 (68) | 3004 | |
| 1300 (89) | 3906 | |
| 1500 (103) | 4507 | |
| 1700 (117) | 5108 | |
| 1900 (131) | 5709 | |
| 2100 (144) | 6310 | |
| 2300 (158) | 6911 | |
| 2500 (172) | 7512 | |

| REFERENCE SPEED CHART | | |
|-----------------------|-------------|--|
| Flow GPM (Liter) | Speed (rpm) | |
| 10 (37) | 7 | |
| 15 (56) | 10 | |
| 20 (75) | 14 | |
| 25 (94) | 17 | |

Note: Revolution Drive units are not recommended for DTH and will not be covered under warranty for damage due to down the hole drilling.

Output speed and torque specifications are NOT listed at 100% efficiency. Maximum efficiencies have been applied to the torque and speed charts according to the manufacturers recommendations. Speed and torque output are dependant 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 on this document. This document should be used for information and comparative purposes only. When application specific information is required, please contact Pengo.

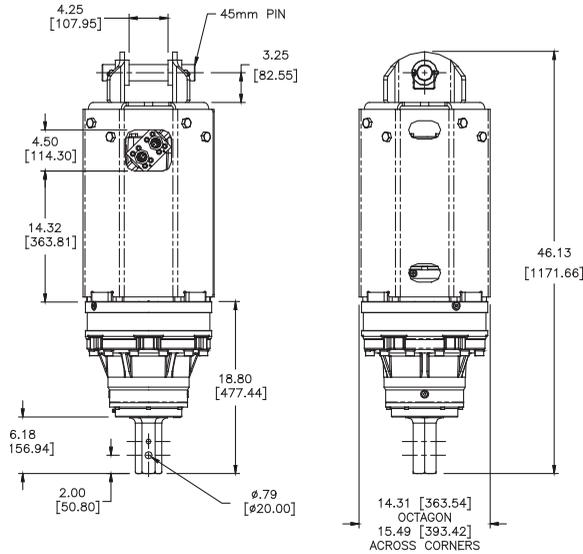


RS-12 | SINGLE SPEED

| PART NO. | APPLICATION | CONNECTION | EXCAVATOR |
|----------|-------------|------------|-----------|
| 610057 | ANCHOR | H-250 | 11T-17T |

ACCESSORIES

| | |
|--------|-------------------------------------------|
| 661111 | Universal Mounting Plate for Skid-Steer |
| 661318 | Long Reach Universal Mount for Skid-Steer |
| 610309 | RevTrak™ Monitoring System |
| 610318 | RS-12 Drive with RevTrak Installed |
| 660555 | Link Arm 45mm |
| 660558 | Pin Assembly 45mm |



| | |
|--------------------------------------|-----------------------------|
| TOTAL UNIT WEIGHT | 546 LBS / 248 Kg |
| HYDRAULIC MOTOR INFORMATION | |
| Displacement | 23.9 cu/in (390cc) |
| Motor Type | Single Speed Bi-Directional |
| Motor Output Shaft | 1-1/2" Spline 17T |
| Motor Mount | SAE - C 4 Bolt |
| Motor Ports | 1-1/16" - 12 O-Ring |
| Cross Over Pressure Relief | Set @ 3100 psi |
| PLANETARY GEARBOX INFORMATION | |
| Gearbox Type | Planetary Two Stage |
| Reduction Ratio | 17.39:1 |
| Output Shaft | 2-1/2" Hex |
| Oil Capacity | 1.7 Gallons |
| Oil Type | SAE 80W90 GL-5 |
| Shaft Pull Out (lbs.) | 22,500 lbs. |

| REFERENCE TORQUE CHART | | |
|------------------------|-----------------|--|
| Pressure PSI (Bar) | Torque (ft/lbs) | |
| 1600 (110) | 6941 | |
| 1800 (124) | 7808 | |
| 2000 (137) | 8677 | |
| 2200 (151) | 9544 | |
| 2400 (165) | 10411 | |
| 2600 (179) | 11280 | |
| 2800 (193) | 12147 | |
| 3000 (206) | 13014 | |

| REFERENCE SPEED CHART | | |
|-----------------------|-------------|--|
| Flow GPM (Liter) | Speed (rpm) | |
| 15 (56) | 7 | |
| 20 (75) | 9 | |
| 25 (94) | 11 | |
| 30 (113) | 13 | |
| 35 (132) | 15 | |
| 40 (151) | 18 | |

Note: Revolution Drive units are not recommended for DTH and will not be covered under warranty for damage due to down the hole drilling.

Output speed and torque specifications are NOT listed at 100% efficiency. Maximum efficiencies have been applied to the torque and speed charts according to the manufacturers recommendations. Speed and torque output are dependant 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 on this document. This document should be used for information and comparative purposes only. When application specific information is required, please contact Pengo.

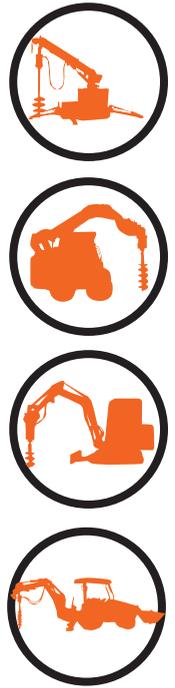
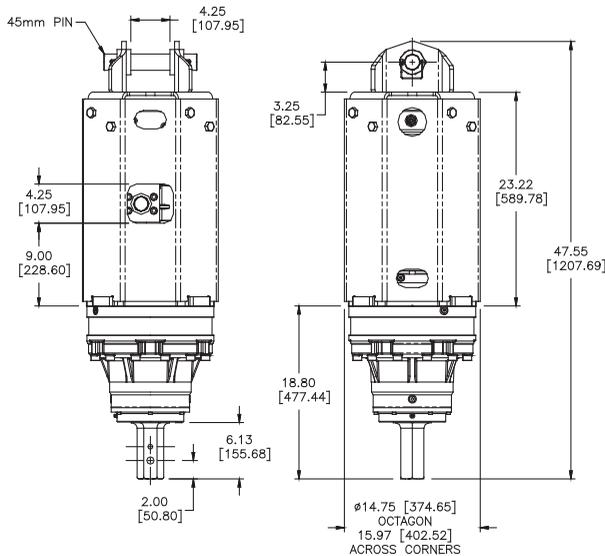


RT-9 | TWO SPEED

| PART NO. | APPLICATION | CONNECTION | EXCAVATOR |
|----------|-------------|------------|-----------|
| 610058 | ANCHOR | H-250 | 8T-13T |

ACCESSORIES

- 661111 Universal Mounting Plate for Skid-Steer
- 661318 Long Reach Universal Mount for Skid-Steer
- 610309 RevTrak™ Monitoring System
- 610319 RT-9 Drive with RevTrak Installed
- 660555 Link Arm 45mm
- 660558 Pin Assembly 45mm



| | |
|--------------------------------------|--------------------------|
| TOTAL UNIT WEIGHT | 540 LBS / 245 Kg |
| HYDRAULIC MOTOR INFORMATION | |
| Displacement | 11.9 cu/in (195cc) |
| Motor Type | Two Speed Bi-Directional |
| Motor Output Shaft | 1-1/4" Spline 14T |
| Motor Mount | SAE - C 4 Bolt |
| Motor Ports | 1-5/8" - 12 UN-2B |
| Cross Over Pressure Relief | Set @ 3100 psi |
| PLANETARY GEARBOX INFORMATION | |
| Gearbox Type | Planetary Two Stage |
| Reduction Ratio | 25.36:1 |
| Output Shaft | 2-1/2" Hex |
| Oil Capacity | 1.7 Gallons |
| Oil Type | SAE 80W90 GL-5 |
| Shaft Pull Out (lbs.) | 22,500 lbs. |

| REFERENCE TORQUE CHART | | |
|------------------------|----------------------|---------------------|
| Pressure PSI (Bar) | High Torque (ft/lbs) | Low Torque (ft/lbs) |
| 1600 (110) | 5253 | 2626 |
| 1800 (124) | 5910 | 2954 |
| 2000 (137) | 6567 | 3283 |
| 2200 (151) | 7223 | 3611 |
| 2400 (165) | 7880 | 3940 |
| 2600 (179) | 8536 | 4268 |
| 2800 (193) | 9193 | 4596 |
| 3000 (206) | 9850 | 4925 |

| REFERENCE SPEED CHART | | |
|-----------------------|-----------------|------------------|
| Flow GPM (Liter) | Low Speed (rpm) | High Speed (rpm) |
| 20 (75) | 13 | 25 |
| 30 (113) | 19 | 38 |
| 40 (151) | 25 | 50 |
| 50 (190) | 31 | 63 |

Note: Revolution Drive units are not recommended for DTH and will not be covered under warranty for damage due to down the hole drilling.

TWO SPEED MODELS MUST HAVE A MINIMUM OF 20GPM.

Output speed and torque specifications are NOT listed at 100% efficiency. Maximum efficiencies have been applied to the torque and speed charts according to the manufacturers recommendations. Speed and torque output are dependant 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 on this document. This document should be used for information and comparative purposes only. When application specific information is required, please contact Pengo.

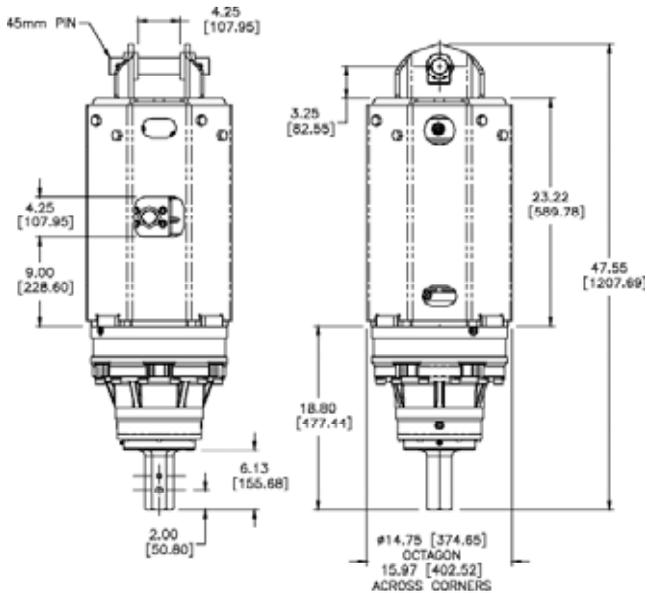


RT-12 | TWO SPEED

| PART NO. | APPLICATION | CONNECTION | EXCAVATOR |
|----------|-------------|------------|-----------|
| 610059 | ANCHOR | H-250 | 11T-17T |

ACCESSORIES

| | |
|--------|-------------------------------------------|
| 661111 | Universal Mounting Plate for Skid-Steer |
| 661318 | Long Reach Universal Mount for Skid-Steer |
| 610309 | RevTrak™ Monitoring System |
| 610320 | RT-12 Drive with RevTrak Installed |
| 660555 | Link Arm 45mm |
| 660558 | Pin Assembly 45mm |



| | |
|--------------------------------------|--------------------------|
| TOTAL UNIT WEIGHT | 655 LBS / 297 Kg |
| HYDRAULIC MOTOR INFORMATION | |
| Displacement | 14.9 cu/in (244cc) |
| Motor Type | Two Speed Bi-Directional |
| Motor Output Shaft | 1-1/4" Spline 14T |
| Motor Mount | SAE - C 4 Bolt |
| Motor Ports | 1-5/8" - 12 UN-2B |
| Cross Over Pressure Relief | Set @ 3100 psi |
| PLANETARY GEARBOX INFORMATION | |
| Gearbox Type | Planetary Two Stage |
| Reduction Ratio | 25.36:1 |
| Output Shaft | 2-1/2" Hex |
| Oil Capacity | 1.8 Gallons |
| Oil Type | SAE 80W90 GL-5 |
| Shaft Pull Out (lbs.) | 22,500 lbs. |

| REFERENCE TORQUE CHART | | |
|------------------------|----------------------|---------------------|
| Pressure PSI (Bar) | High Torque (ft/lbs) | Low Torque (ft/lbs) |
| 1600 (110) | 6576 | 3068 |
| 1800 (124) | 7398 | 3451 |
| 2000 (137) | 8220 | 3835 |
| 2200 (151) | 9042 | 4219 |
| 2400 (165) | 9864 | 4603 |
| 2600 (179) | 10686 | 4986 |
| 2800 (193) | 11508 | 5369 |
| 3000 (206) | 12330 | 5753 |

| REFERENCE SPEED CHART | | |
|-----------------------|-----------------|------------------|
| Flow GPM (Liter) | Low Speed (rpm) | High Speed (rpm) |
| 20 (75) | 10 | 21 |
| 30 (113) | 15 | 32 |
| 40 (151) | 20 | 43 |
| 50 (190) | 25 | 54 |

Note: Revolution Drive units are not recommended for DTH and will not be covered under warranty for damage due to down the hole drilling.

Output speed and torque specifications are NOT listed at 100% efficiency. Maximum efficiencies have been applied to the torque and speed charts according to the manufacturers recommendations. Speed and torque output are dependant 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 on this document. This document should be used for information and comparative purposed only. When application specific information is required, please contact Pengo.

TWO SPEED MODELS MUST HAVE A MINIMUM OF 20GPM.

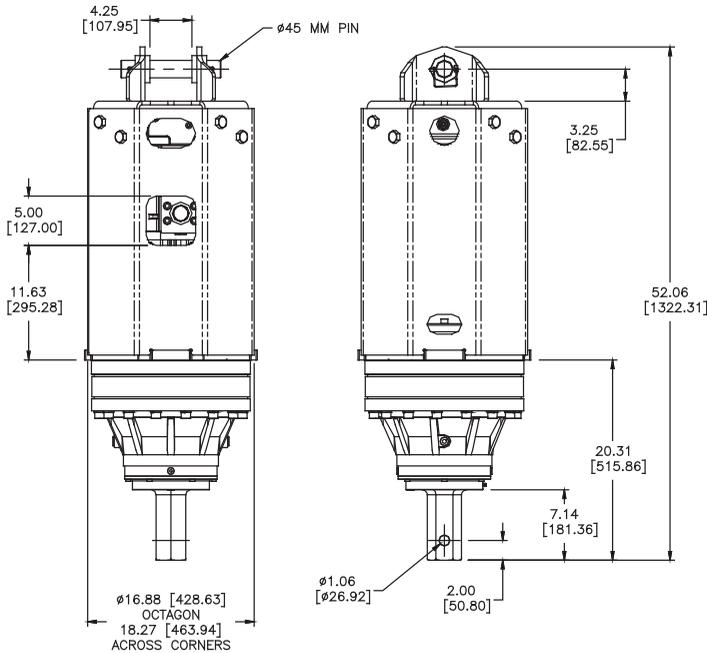


RT-20 | TWO SPEED

| PART NO. | APPLICATION | CONNECTION | EXCAVATOR |
|----------|-------------|------------|-----------|
| 610060 | ANCHOR | H-300 | 20T-30T |

ACCESSORIES

| | |
|--------|------------------------------------|
| 610309 | RevTrak™ Monitoring System |
| 610321 | RT-20 Drive with RevTrak Installed |
| 660555 | Link Arm 45mm |
| 660558 | Pin Assembly 45mm |



| | |
|--------------------------------------|--------------------------|
| TOTAL UNIT WEIGHT | 855 LBS / 387 Kg |
| HYDRAULIC MOTOR INFORMATION | |
| Displacement | 11.9 cu/in (195cc) |
| Motor Type | Two Speed Bi-Directional |
| Motor Output Shaft | 1-1/4" Spline 14T |
| Motor Mount | SAE - C 4 Bolt |
| Motor Ports | 1-5/8" - 12 UN-2B |
| Cross Over Pressure Relief | Set @ 3100 psi |
| PLANETARY GEARBOX INFORMATION | |
| Gearbox Type | Planetary Three Stage |
| Reduction Ratio | 60.56:1 |
| Output Shaft | 3" Hex |
| Oil Capacity | 2.6 Gallons |
| Oil Type | SAE 80W90 GL-5 |
| Shaft Pull Out (lbs.) | 45,000 lbs. |

| REFERENCE TORQUE CHART | | |
|------------------------|----------------------|---------------------|
| Pressure PSI (Bar) | High Torque (ft/lbs) | Low Torque (ft/lbs) |
| 1600 (110) | 12086 | 6043 |
| 1800 (124) | 13597 | 6798 |
| 2000 (137) | 15108 | 7554 |
| 2200 (151) | 16618 | 8309 |
| 2400 (165) | 18129 | 9064 |
| 2600 (179) | 19640 | 9820 |
| 2800 (193) | 21151 | 10575 |
| 3000 (206) | 22662 | 11331 |

| REFERENCE SPEED CHART | | |
|-----------------------|-----------------|------------------|
| Flow GPM (Liter) | Low Speed (rpm) | High Speed (rpm) |
| 20 (75) | 5 | 10 |
| 30 (113) | 8 | 15 |
| 40 (151) | 10 | 20 |
| 50 (190) | 13 | 25 |

Note: Revolution Drive units are not recommended for DTH and will not be covered under warranty for damage due to down the hole drilling.

Output speed and torque specifications are NOT listed at 100% efficiency. Maximum efficiencies have been applied to the torque and speed charts according to the manufacturers recommendations. Speed and torque output are dependant 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 on this document. This document should be used for information and comparative purposed only. When application specific information is required, please contact Pengo.

TWO SPEED MODELS MUST HAVE A MINIMUM OF 20GPM.

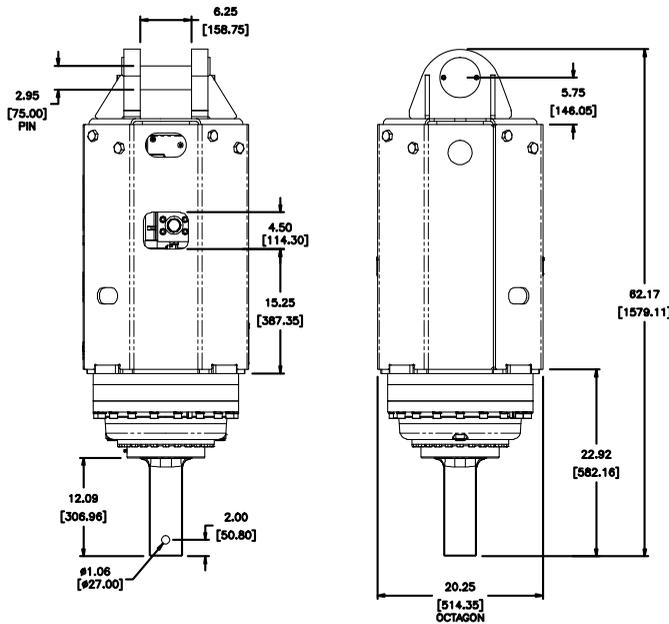


RT-30 | TWO SPEED

| PART NO. | APPLICATION | CONNECTION | EXCAVATOR |
|----------|-------------|------------|-----------|
| 610061 | ANCHOR | S-400 | 20T-30T |

ACCESSORIES

| | |
|--------|------------------------------------|
| 610309 | RevTrak™ Monitoring System |
| 610322 | RT-30 Drive with RevTrak Installed |
| 610202 | Link Arm 75mm |
| 660554 | Pin Assembly 75mm |



**AUTO
SHIFT**

| TOTAL UNIT WEIGHT | 1220 LBS / 553 Kg |
|-------------------------------|--------------------------|
| HYDRAULIC MOTOR INFORMATION | |
| Displacement | 13.9 cu/in (227cc) |
| Motor Type | Two Speed Bi-Directional |
| Motor Output Shaft | 1-1/4" Spline 14T |
| Motor Mount | SAE - C 4 Bolt |
| Motor Ports | 1-5/8" - 12 UN-2B |
| Cross Over Pressure Relief | Set @ 3100 psi |
| PLANETARY GEARBOX INFORMATION | |
| Gearbox Type | Planetary Three Stage |
| Reduction Ratio | 69.7:1 |
| Output Shaft | 4" Square |
| Oil Capacity | 3.1 Gallons |
| Oil Type | SAE 80W90 GL-5 |
| Shaft Pull Out (lbs.) | 60,000 lbs. |

| REFERENCE TORQUE CHART | | |
|------------------------|----------------------|---------------------|
| Pressure PSI (Bar) | High Torque (ft/lbs) | Low Torque (ft/lbs) |
| 1600 (110) | 16250 | 8125 |
| 1800 (124) | 18281 | 9140 |
| 2000 (137) | 20312 | 10156 |
| 2200 (151) | 22344 | 11171 |
| 2400 (165) | 24375 | 12187 |
| 2600 (179) | 26407 | 13203 |
| 2800 (193) | 28438 | 14218 |
| 3000 (206) | 30470 | 15234 |

| REFERENCE SPEED CHART | | |
|-----------------------|-----------------|------------------|
| Flow GPM (Liter) | Low Speed (rpm) | High Speed (rpm) |
| 20 (75) | 4 | 8 |
| 30 (113) | 6 | 11 |
| 40 (151) | 8 | 15 |
| 50 (190) | 9 | 19 |

Note: Revolution Drive units are not recommended for DTH and will not be covered under warranty for damage due to down the hole drilling.

Output speed and torque specifications are NOT listed at 100% efficiency. Maximum efficiencies have been applied to the torque and speed charts according to the manufacturers recommendations. Speed and torque output are dependant 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 on this document. This document should be used for information and comparative purposes only. When application specific information is required, please contact Pengo.

TWO SPEED MODELS MUST HAVE A MINIMUM OF 20GPM.

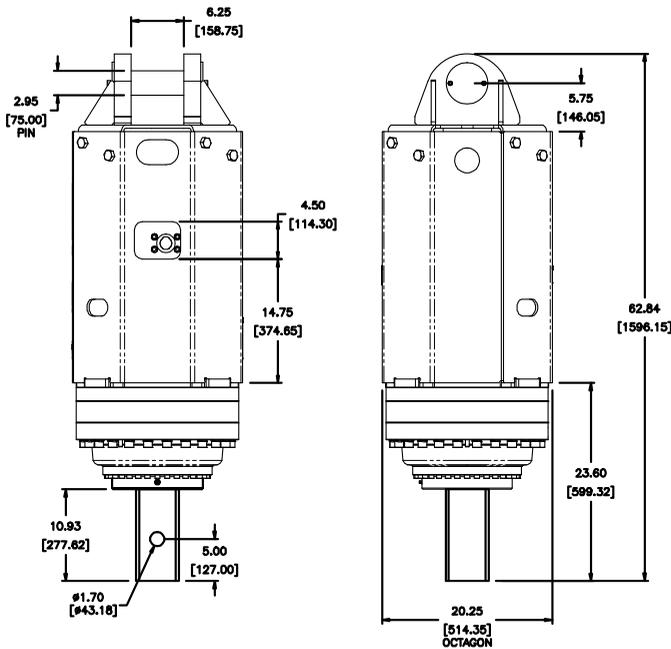


RT-40 | TWO SPEED

| PART NO. | APPLICATION | CONNECTION | EXCAVATOR |
|----------|-------------|------------|-----------|
| 610062 | ANCHOR | S-130mm | 20T-30T |

ACCESSORIES

| | |
|--------|------------------------------------|
| 610309 | RevTrak™ Monitoring System |
| 610323 | RT-40 Drive with RevTrak Installed |
| 610202 | Link Arm 75mm |
| 660554 | Pin Assembly 75mm |



| | |
|--------------------------------------|--------------------------|
| TOTAL UNIT WEIGHT | 1440 LBS / 653 Kg |
| HYDRAULIC MOTOR INFORMATION | |
| Displacement | 13.9 cu/in (227cc) |
| Motor Type | Two Speed Bi-Directional |
| Motor Output Shaft | 1-1/4" Spline 14T |
| Motor Mount | SAE - C 4 Bolt |
| Motor Ports | 1-5/8" - 12 UN-2B |
| Cross Over Pressure Relief | Set @ 3100 psi |
| PLANETARY GEARBOX INFORMATION | |
| Gearbox Type | Planetary Three Stage |
| Reduction Ratio | 90.39:1 |
| Output Shaft | 130mm Square |
| Oil Capacity | 3.7 Gallons |
| Oil Type | SAE 80W90 GL-5 |
| Shaft Pull Out (lbs.) | 60,000 lbs. |

| REFERENCE TORQUE CHART | | |
|------------------------|----------------------|---------------------|
| Pressure PSI (Bar) | High Torque (ft/lbs) | Low Torque (ft/lbs) |
| 1600 (110) | 21074 | 10537 |
| 1800 (124) | 23708 | 11854 |
| 2000 (137) | 26343 | 13171 |
| 2200 (151) | 28976 | 14488 |
| 2400 (165) | 31611 | 15806 |
| 2600 (179) | 34245 | 17122 |
| 2800 (193) | 36880 | 18439 |
| 3000 (206) | 39514 | 19757 |

| REFERENCE SPEED CHART | | |
|-----------------------|-----------------|------------------|
| Flow GPM (Liter) | Low Speed (rpm) | High Speed (rpm) |
| 20 (75) | 3 | 6 |
| 30 (113) | 4 | 9 |
| 40 (151) | 6 | 12 |
| 50 (190) | 7 | 15 |

Note: Revolution Drive units are not recommended for DTH and will not be covered under warranty for damage due to down the hole drilling.

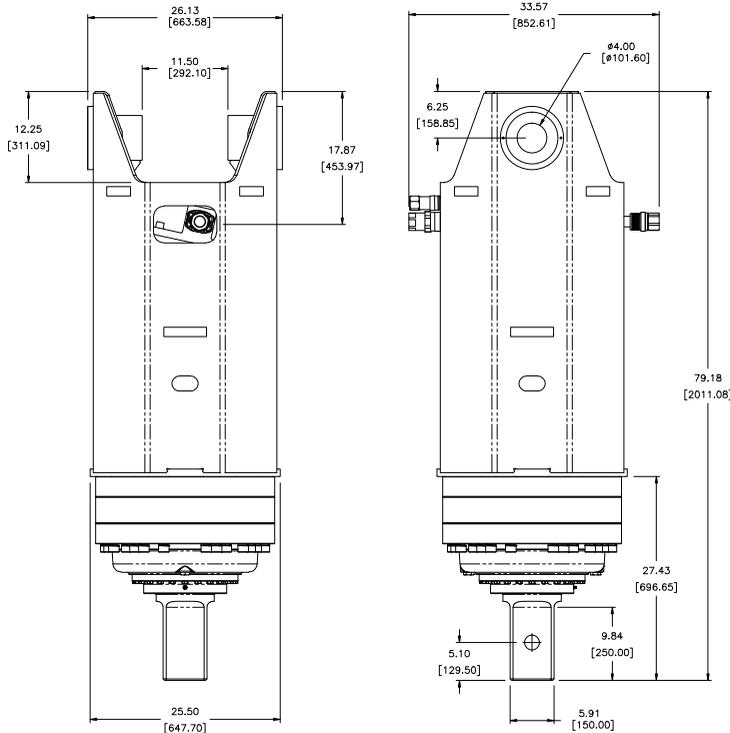
Output speed and torque specifications are NOT listed at 100% efficiency. Maximum efficiencies have been applied to the torque and speed charts according to the manufacturers recommendations. Speed and torque output are dependant on the overall system efficiencies associated with the prime movers hydraulic 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 on this document. This document should be used for information and comparative purposed only. When application specific information is required, please contact Pengo.

TWO SPEED MODELS MUST HAVE A MINIMUM OF 20GPM.



RV-70 | VARIABLE SPEED

| PART NO. | APPLICATION | CONNECTION | EXCAVATOR |
|----------|-------------|------------|-----------|
| 610063 | ANCHOR | S-150mm | 30T-40T |



| | |
|--------------------------------------|-------------------------------|
| TOTAL UNIT WEIGHT | 2850 LBS / 1292 Kg |
| HYDRAULIC MOTOR INFORMATION | |
| Displacement | 13.73 cu/in (225cc) |
| Motor Type | Variable Speed Bi-Directional |
| Motor Output Shaft | 13T 8/16 DP Spline |
| Motor Mount | SAE - D 4 Bolt |
| Motor Ports | Code 62 SAE Split Flange |
| Cross Over Pressure Relief | Not Equipped |
| PLANETARY GEARBOX INFORMATION | |
| Gearbox Type | Planetary Three Stage |
| Reduction Ratio | 126:1 |
| Output Shaft | 150mm Square |
| Oil Capacity | 9.2 Gallons |
| Oil Type | SAE 80W90 GL-5 |
| Shaft Pull Out (lbs.) | 100,000 lbs. |

| REFERENCE TORQUE CHART | | |
|------------------------|----------------------|---------------------|
| Pressure PSI (Bar) | High Torque (ft/lbs) | Low Torque (ft/lbs) |
| 2800 (193) | 55301 | 27638 |
| 2900 (200) | 57276 | 28625 |
| 3000 (206) | 59251 | 29612 |
| 3100 (213) | 61226 | 30599 |
| 3200 (220) | 63201 | 31586 |
| 3300 (227) | 65176 | 32573 |
| 3400 (234) | 67151 | 33560 |
| 3500 (241) | 69126 | 34547 |

| REFERENCE SPEED CHART | | |
|-----------------------|-----------------|------------------|
| Flow GPM (Liter) | Low Speed (rpm) | High Speed (rpm) |
| 70 (262) | 8 | 16 |
| 90 (337) | 10 | 21 |
| 110 (412) | 12 | 24 |
| 130 (487) | 14 | 29 |
| 150 (562) | 17 | 33 |

VARIABLE SPEED MODELS MUST HAVE A DRIAN LINE.

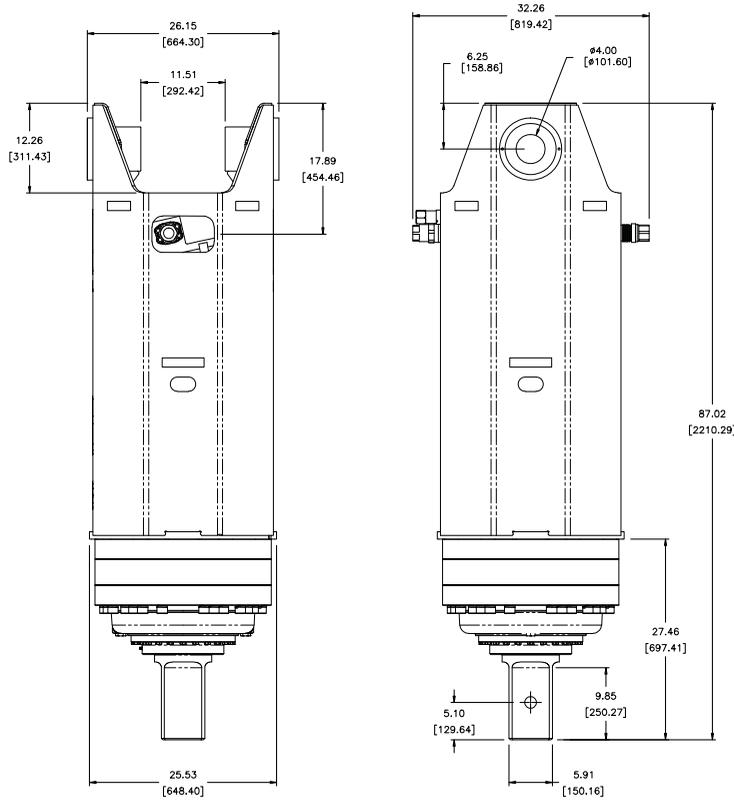
Note: Revolution Drive units are not recommended for DTH and will not be covered under warranty for damage due to down the hole drilling.

Output speed and torque specifications are NOT listed at 100% efficiency. Maximum efficiencies have been applied to the torque and speed charts according to the manufacturers recommendations. Speed and torque output are dependant on the overall system efficiencies associated with the prime movers hydraulic system. When the purchaser is determining criteria for specific applications please contact Penco. Penco has made every attempt to present accurate and suitable information published on this document. This document should be used for information and comparative purposes only. When application specific information is required, please contact Penco.



RV-100 | VARIABLE SPEED

| PART NO. | APPLICATION | CONNECTION | EXCAVATOR |
|----------|-------------|------------|-----------|
| 610664 | ANCHOR | S-177mm | 60T-90T |



| TOTAL UNIT WEIGHT | |
|-------------------------------|-------------------------------|
| | 3800 LBS / 1724 Kg |
| HYDRAULIC MOTOR INFORMATION | |
| Displacement | 13.73 cu/in (225cc) |
| Motor Type | Variable Speed Bi-Directional |
| Motor Output Shaft | 13T 8/16 DP Spline |
| Motor Mount | SAE - D 4 Bolt |
| Motor Ports | Code 62 SAE Split Flange |
| Cross Over Pressure Relief | Not Equipped |
| PLANETARY GEARBOX INFORMATION | |
| Gearbox Type | Planetary Four Stage |
| Reduction Ratio | 208.54:1 |
| Output Shaft | 177mm Square |
| Oil Capacity | 11.0 Gallons |
| Oil Type | SAE 80W90 GL-5 |
| Shaft Pull Out (lbs.) | 180,000 lbs. |

| REFERENCE TORQUE CHART | | |
|------------------------|----------------------|---------------------|
| Pressure PSI (Bar) | High Torque (ft/lbs) | Low Torque (ft/lbs) |
| 2800 (193) | 88334 | 44167 |
| 2900 (200) | 91489 | 45744 |
| 3000 (206) | 94644 | 47322 |
| 3100 (213) | 97799 | 48899 |
| 3200 (220) | 100954 | 50477 |
| 3300 (227) | 104108 | 52054 |
| 3400 (234) | 107263 | 53631 |
| 3500 (241) | 110418 | 55209 |

| REFERENCE SPEED CHART | | |
|-----------------------|-----------------|------------------|
| Flow GPM (Liter) | Low Speed (rpm) | High Speed (rpm) |
| 70 (262) | 5 | 9 |
| 90 (337) | 6 | 12 |
| 110 (412) | 7 | 15 |
| 130 (487) | 9 | 17 |
| 150 (562) | 10 | 20 |

VARIABLE SPEED MODELS MUST HAVE A DRIAN LINE.

Note: Revolution Drive units are not recommended for DTH and will not be covered under warranty for damage due to down the hole drilling.

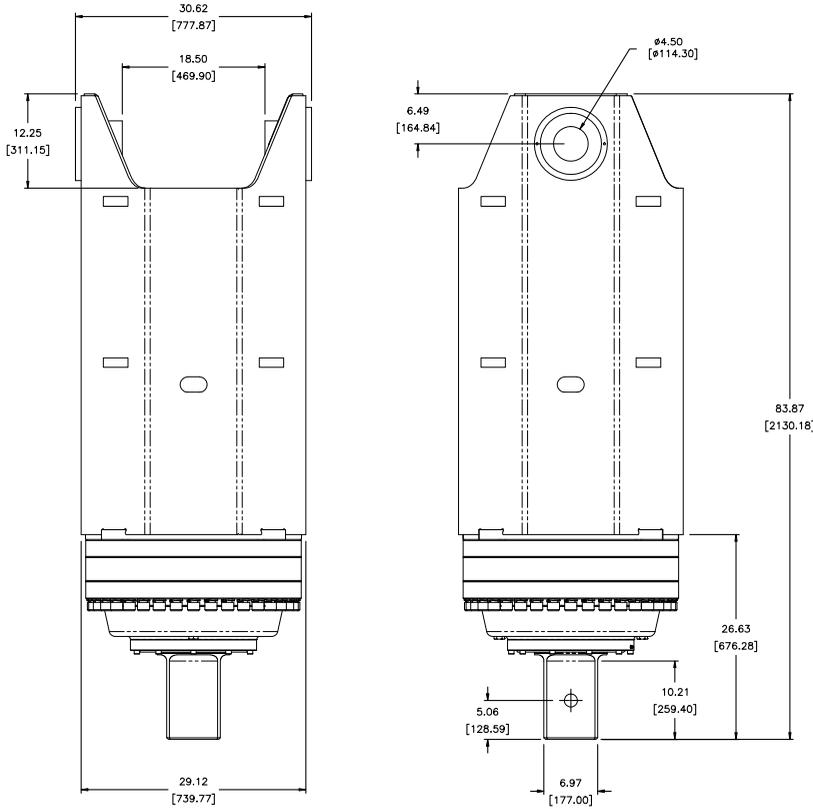
Output speed and torque specifications are NOT listed at 100% efficiency. Maximum efficiencies have been applied to the torque and speed charts according to the manufacturers recommendations. Speed and torque output are dependant on the overall system efficiencies associated with the prime movers hydraulic 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 on this document. This document should be used for information and comparative purposed only. When application specific information is required, please contact Pengo.



RV-140 | VARIABLE SPEED



| PART NO. | APPLICATION | CONNECTION | EXCAVATOR |
|----------|-------------|------------|-----------|
| 610065 | ANCHOR | S-177mm | 90T-150T |



| | |
|--------------------------------------|-------------------------------|
| TOTAL UNIT WEIGHT | 4000 LBS / 1814 Kg |
| HYDRAULIC MOTOR INFORMATION | |
| Displacement | 13.73 cu/in (225cc) |
| Motor Type | Variable Speed Bi-Directional |
| Motor Output Shaft | 13T 8/16 DP Spline |
| Motor Mount | SAE - D 4 Bolt |
| Motor Ports | Code 62 SAE Split Flange |
| Cross Over Pressure Relief | Not Equipped |
| PLANETARY GEARBOX INFORMATION | |
| Gearbox Type | Planetary Four Stage |
| Reduction Ratio | 265.64:1 |
| Output Shaft | 177mm Square |
| Oil Capacity | 11 Gallons |
| Oil Type | SAE 80W90 GL-5 |
| Shaft Pull Out (lbs.) | 250,000 lbs. |

| REFERENCE TORQUE CHART | | |
|------------------------|----------------------|---------------------|
| Pressure PSI (Bar) | High Torque (ft/lbs) | Low Torque (ft/lbs) |
| 2800 (193) | 112521 | 56260 |
| 2900 (200) | 116540 | 58270 |
| 3000 (206) | 120559 | 60279 |
| 3100 (213) | 124577 | 62288 |
| 3200 (220) | 128596 | 64298 |
| 3300 (227) | 132614 | 66307 |
| 3400 (234) | 136633 | 68316 |
| 3500 (241) | 140652 | 70326 |

| REFERENCE SPEED CHART | | |
|-----------------------|-----------------|------------------|
| Flow GPM (Liter) | Low Speed (rpm) | High Speed (rpm) |
| 70 (262) | 4 | 7 |
| 90 (337) | 5 | 9 |
| 110 (412) | 6 | 12 |
| 130 (487) | 7 | 14 |
| 150 (562) | 8 | 16 |

VARIABLE SPEED MODELS MUST HAVE A DRIAN LINE.

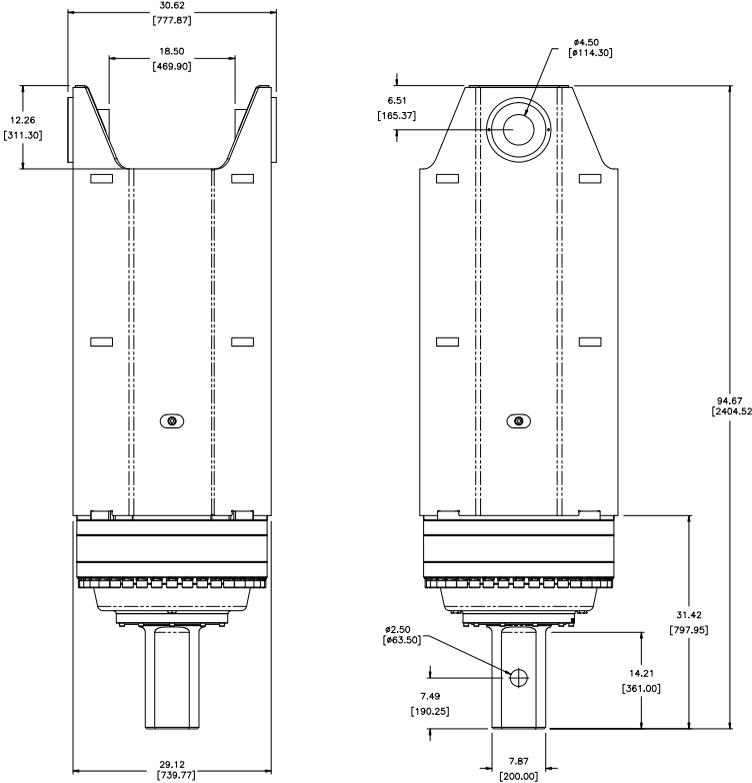
Note: Revolution Drive units are not recommended for DTH and will not be covered under warranty for damage due to down the hole drilling.

Output speed and torque specifications are NOT listed at 100% efficiency. Maximum efficiencies have been applied to the torque and speed charts according to the manufacturers recommendations. Speed and torque output are dependant 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 on this document. This document should be used for information and comparative purposes only. When application specific information is required, please contact Pengo.



RV-200 | VARIABLE SPEED

| PART NO. | APPLICATION | CONNECTION | EXCAVATOR |
|----------|-------------|------------|-----------|
| 610547 | ANCHOR | S-200mm | 90T-150T |



| TOTAL UNIT WEIGHT | 5000 LBS / 2267 Kg |
|-------------------------------|-------------------------------|
| HYDRAULIC MOTOR INFORMATION | |
| Displacement | 13.73 cu/in (225cc) |
| Motor Type | Variable Speed Bi-Directional |
| Motor Output Shaft | 13T 8/16 DP Spline |
| Motor Mount | SAE - D 4 Bolt |
| Motor Ports | Code 62 SAE Split Flange |
| Cross Over Pressure Relief | Not Equipped |
| PLANETARY GEARBOX INFORMATION | |
| Gearbox Type | Planetary Four Stage |
| Reduction Ratio | 400:1 |
| Output Shaft | 200mm Square |
| Oil Capacity | 16.25 Gallons |
| Oil Type | SAE 80W90 GL-5 |
| Shaft Pull Out (lbs.) | 300,000 lbs. |

| REFERENCE TORQUE CHART | | |
|------------------------|----------------------|---------------------|
| Pressure PSI (Bar) | High Torque (ft/lbs) | Low Torque (ft/lbs) |
| 2800 (193) | 169434 | 84717 |
| 2900 (200) | 175486 | 87743 |
| 3000 (206) | 181537 | 90768 |
| 3100 (213) | 187588 | 93794 |
| 3200 (220) | 193639 | 96819 |
| 3300 (227) | 199691 | 99845 |
| 3400 (234) | 205742 | 102871 |
| 3500 (241) | 211793 | 105896 |

| REFERENCE SPEED CHART | | |
|-----------------------|-----------------|------------------|
| Flow GPM (Liter) | Low Speed (rpm) | High Speed (rpm) |
| 70 (262) | 2 | 5 |
| 90 (337) | 3 | 6 |
| 110 (412) | 4 | 8 |
| 130 (487) | 5 | 9 |
| 150 (562) | 5 | 10 |

VARIABLE SPEED MODELS MUST HAVE A DRIAN LINE.

Note: Revolution Drive units are not recommended for DTH and will not be covered under warranty for damage due to down the hole drilling.

Output speed and torque specifications are NOT listed at 100% efficiency. Maximum efficiencies have been applied to the torque and speed charts according to the manufacturers recommendations. Speed and torque output are dependant on the overall system efficiencies associated with the prime movers hydraulic system. When the purchaser is determining criteria for specific applications please contact Penco. Penco has made every attempt to present accurate and suitable information published on this document. This document should be used for information and comparative purposes only. When application specific information is required, please contact Penco.



REVTRAK™ | Torque Monitoring System

FEATURES

- No software required to operate or download data from RevTrak™ system.
- Records all critical data to an MMC/SD memory card eliminating the need to have a laptop on site to download data.
- Provides an electronic record of vital installation data that exports into Microsoft® Excel.
- Anti reflective display screen allows for excellent visibility even in direct sunlight.
- Backlit display and keys enable use in darkness.
- Easy to read fully functional LC display shows:
 - o Inlet Pressure
 - o Back Pressure
 - o Torque
 - o Drive Model Selected
 - o Date and Time
- Compact display package easily mounts inside operators cab.
- All Revolution Series Drive data is preloaded with no set-up required.

| PART NO. | ITEM |
|----------|---------|
| 610309 | RevTrak |



REVTRAK™



OPERATIONS
SCREEN



MODEL SELECTION
SCREEN



MODEL SELECTION
SCREEN

The RevTrak™ system developed by Pengo® is a torque monitoring and logging system using innovative technology such as MMC/SD data logging to measure and record the helical pier/anchor installation. As the pier/anchor is installed into the ground the RevTrak™ system will compute the torque based on the preprogrammed specifications of the Revolution Series Drives and the differential pressure reading.

The RevTrak™ system is unique in that it does not require any software interface to operate. The RevTrak™ system controller is preprogrammed with all the Revolution Series specifications allowing the operator to simply select the Anchor Drive model and the system is ready for use. All installation data is recorded to a MMC/SD memory card. This nonvolatile memory card can store up to 2 GB of data allowing for weeks of installation history to be captured.



WHAT'S IN THE BOX

- Display
- Controller
- Transducers
- Mounting Bracket
- 2 GB Memory Card
- Logging Device
- Wire Harness
- 10' Cable
- 20' Cable
- USB Card Reader

Download
RevTrak
Manual To Your
Smart Phone



Revolution Drives are available with RevTrak™ Torque Monitoring System PreInstalled



ACCESSORIES | LINK ARMS and PINS

| ITEM DESCRIPTION | PART NO. |
|---------------------------|----------|
| Link Arm 45mm (shown) | 660555 |
| Link Arm 75mm | 610202 |
| Pin Assembly 45mm (shown) | 660558 |
| Pin 75mm | 660554 |



ACCESSORIES | FLANGE ADAPTERS

| ITEM DESCRIPTION | PART NO. |
|--------------------------|----------|
| H-250 Hex Flange Adapter | 660947 |
| H-300 Hex Flange Adapter | 660949 |
| S-400 Hex Flange Adapter | 660951 |

ACCESSORIES | DRIVE TOOLS

| DRIVE | SHAFT | PART NO. |
|-------|------------|----------|
| DS-2 | 2" Hex | 158136 |
| DS-3 | 2" Hex | 158136 |
| DT-5 | 2 1/2" Hex | 158132 |
| DT-15 | 3" Hex | 158137 |
| RS-7X | 2" Hex | 158136 |
| RS-7 | 2" Hex | 158136 |
| RS-12 | 2 1/2" Hex | 158132 |
| RT-9 | 2 1/2" Hex | 158132 |

| DRIVE | SHAFT | PART NO. |
|--------|--------------|----------|
| RT-12 | 2 1/2" Hex | 158132 |
| RT-20 | 3" Hex | 158137 |
| RT-30 | 4" Square | 660951 |
| RT-40 | 130mm Square | 610301 |
| RV-70 | 150mm Square | 610302 |
| RV-100 | 177mm Square | 610303 |
| RV-140 | 177mm Square | 610303 |
| RV-200 | 200mm Square | 610304 |

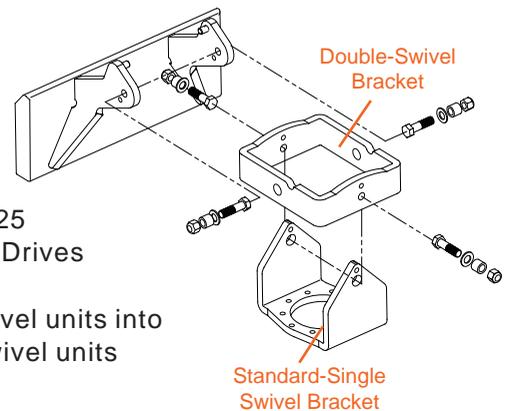
FEATURES

- Converts RS-7X Planetary Drive to RS-7 Planetary Drive
- With bail kit and mount the RS-7X drive can be used with skid steer, also will work with mini excavator and mini digger derricks



FEATURES

- For Use with MS-100 and MS-125 Planetary Drives
- Convert single-swivel units into double-swivel units



ACCESSORIES | RS-7X BAIL ASSEMBLY

| ITEM DESCRIPTION | PART NO. |
|----------------------------|----------|
| Bail Assembly Kit for RS-7 | 610288 |

ACCESSORIES | SWIVEL BRACKET

| ITEM DESCRIPTION | PART NO. |
|-----------------------|----------|
| Double Swivel Bracket | 700215 |

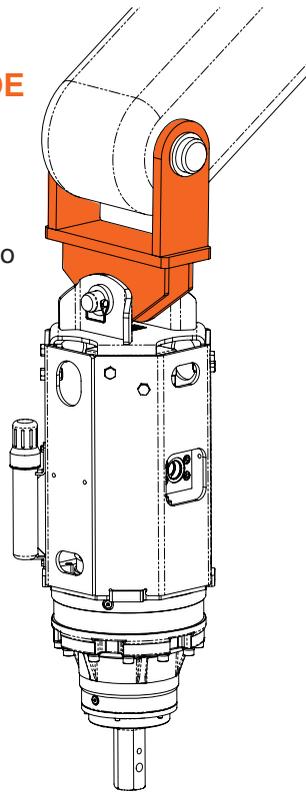
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DRIVE MOUNTS | Typical Mount Configurations

EXCAVATOR / BACKHOE END OF BOOM MOUNT

Mounting Bracket connects directly to the boom with the customer supplied connection pin. The Drive Unit connects to the Mounting Bracket with the supplied connection pin.

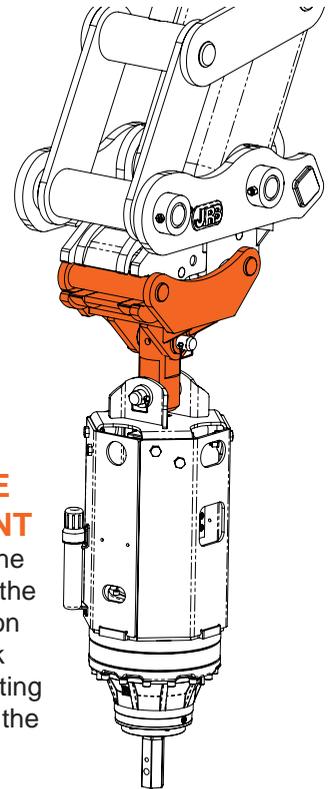


Pengo provides a full range of mounting brackets.

Contact us for more details.

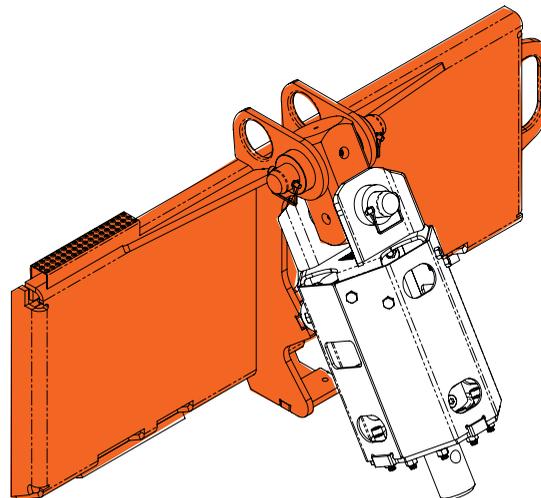
EXCAVATOR / BACKHOE QUICK COUPLER MOUNT

Mounting Bracket connects to the quick coupler when the jaws of the quick coupler engage the pins on the Mounting Bracket. The Link Arm connects to both the Mounting Bracket and the Drive Unit with the supplied connection pins.



SKID LOADER MOUNT ATTACHMENT PLATE

Attachment Plate connects to the mounting plate on the front of the Skid Loader. The Link Arm connects to both the Attachment Plate and the Drive Unit with the supplied connection pins.





DRIVE MOUNTS | Universal Skid Loader Mount

| ITEM DESCRIPTION | PART NO. |
|---------------------------------|----------|
| Long Reach Universal Skid Mount | 661318 |



Mount shown with DS-2 Drive.

| ITEM DESCRIPTION | PART NO. |
|---------------------------------|----------|
| Universal Skid Mount - Standard | 661111 |



Mount shown with DS-2 Drive.

DRIVE MOUNTS | Backhoe Loader / Excavator Mount

| ITEM DESCRIPTION | PART NO. |
|-------------------|----------------|
| End of Boom Mount | Model Specific |



| ITEM DESCRIPTION | PART NO. |
|---------------------|----------------|
| Quick Coupler Mount | Model Specific |





DRIVE MOUNTS | Examples

Skid Loader Mounting System

- o Provides maximum ground clearance of 7' to 11' depending model selected.
- o Increases height capability so drillers can use longer auger bits and anchor installers can use longer sections.
- o Unique design optimizes the operators visibility by positioning the Drive up to 48" from the front of the skid loader.
- o Standard retractable stabilizer arms allow the Drive attachment to stand upright when not in use. Improves ability to store, transport and attach to the skid loader.
- o Designed to be used with up to a 12,000 ft/lb Drive.



Long reach skid mount used to install helical anchors.



Excavator quick coupler mount used with DT-15 Drive and auger.

Excavator Mounting System

- o Complete mounting system for all sizes of excavators.
- o Mounts can mount directly to the boom or be designed to work with an existing quick coupler.
- o Excavator mounts allow for maximum movement to ensure the Drive always hangs true to the ground.
- o Custom mounts can be designed for specific applications.
- o Mounts are available for the entire range of Drives offered by PENGO.

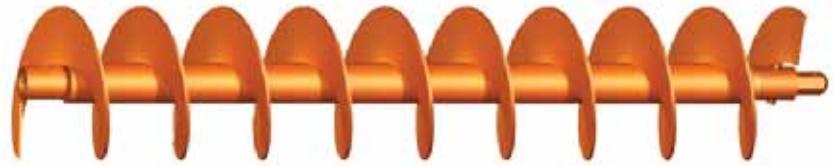
REVOLUTION
SERIES™



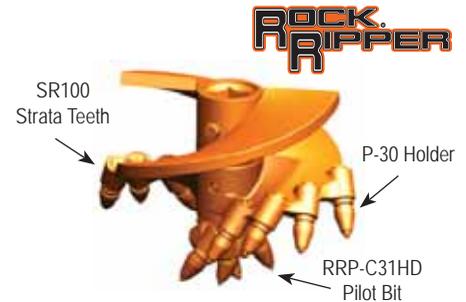
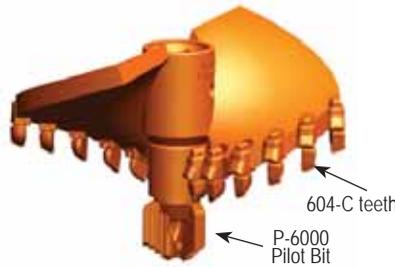
EXCAVATOR AUGERS | Quick Change System

FLIGHT BODIES | 5', 10' or 20'

| DESC. | DIA. | 5' P/N | 10' P/N | 20' P/N |
|--------|------|--------|---------|---------|
| FEX-16 | 16 | 165442 | 165450 | 165451 |
| FEX-18 | 18 | 165443 | 165452 | 165453 |
| FEX-20 | 20 | 165444 | 165454 | 165455 |
| FEX-24 | 24 | 165445 | 165456 | 165457 |
| FEX-30 | 30 | 165446 | 165458 | 165459 |
| FEX-36 | 36 | 165447 | 165460 | 165461 |
| FEX-48 | 48 | 165449 | 165464 | 165465 |



No need to carry two augers, use one Quick Change flight body with multiple interchangeable heads.



OPTION 1 | Carbide & Dirt Heads

| DESC. | DIRT P/N | CARBIDE P/N |
|-----------|----------|-------------|
| POEXDH-16 | 165470 | 165471 |
| POEXDH-18 | 165472 | 165473 |
| POEXDH-20 | 165474 | 165475 |
| POEXDH-24 | 165476 | 165477 |
| POEXDH-30 | 165478 | 165479 |
| POEXDH-36 | 165480 | 165481 |
| POEXDH-42 | 165482 | 165483 |
| POEXDH-48 | 165484 | 165485 |

OPTION 2 | Spiral Rock Heads

| DESC. | PART NO. |
|------------|----------|
| POEXSRH-16 | 165490 |
| POEXSRH-18 | 165492 |
| POEXSRH-20 | 165494 |
| POEXSRH-24 | 165496 |
| POEXSRH-30 | 165498 |
| POEXSRH-36 | 165500 |
| POEXSRH-42 | 165502 |
| POEXSRH-48 | 165504 |

OPTION 3 | Rock Ripper® Heads

| DESC. | PART NO. |
|------------|----------|
| POEXRRH-16 | 165510 |
| POEXRRH-18 | 165512 |
| POEXRRH-20 | 165514 |
| POEXRRH-24 | 165516 |
| POEXRRH-30 | 165518 |
| POEXRRH-36 | 165520 |
| POEXRRH-42 | 165522 |
| POEXRRH-48 | 165524 |

PARTS | Teeth & Holders

| | |
|----------------------------|--------|
| 2070 Dirt Fas-N-Lok™ | 140000 |
| 1076 Carbide | 140255 |
| 2077 Carbide Fas-N-Lok™ | 140003 |
| 2078 Carbide Gage | 140004 |
| 2079 Carbide Fas-N-Lok™ | 140001 |
| 604-C Carbide Faced Tooth | 140065 |
| SR100 Strata Conical Tooth | 850023 |
| P30 Bullet Tooth Holder | 990001 |
| 1604 Holder | 157000 |

PARTS | Pilot Bits and Holders

| | |
|---------------------------|--------|
| TF-1000 Triflow Pilot Bit | 137345 |
| P-6000 Carbide Pilot Bit | 151275 |
| C31HD Pilot Bit Assembly | 135936 |

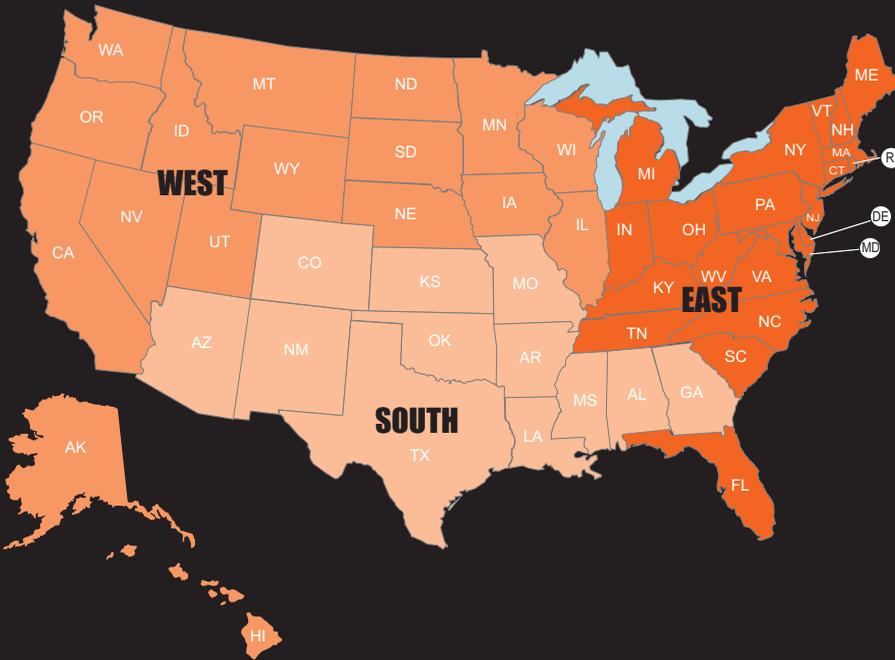
Pilot Bit Assemblies include, pilot, nuts, bolts and teeth if applicable.



Take Your Drilling to New Depths with STRATA Drilling Grade Carbide Teeth!

The improved grade of carbide in all STRATA teeth increases the life cycle of the tooth, meaning less down time and increased productivity!

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561.400.9311 dscudder@pengoattachments.com

Pengo Drives Limited Warranty

NOTE: PENG0 Drives are not warranted for DTH applications. The DTH application will cause issues with the shaft and hydraulic motor.

All new PENG0 products are warranted to be free from defects in material and workmanship, which may cause failure under normal usage and service when used for the purpose intended.

PENG0 warrants its gearbox for a period of twenty-four (24) months and twelve (12) months on the Hydraulic Motor Dating from the delivery to the original user. The PENG0 warranty covers faulty workmanship and defective parts manufactured by PENG0. The warranty does not extend to transportation cost of parts nor does it cover consequential loss, damage to Hydraulic Hoses or ground engaging parts such as Sprockets, Digging Chain, Bearings and Teeth.

PENG0 Equipment must be operated in accordance with the recommended procedures and within the ranges as specified both on the Unit and contained in the Operating Manual.

Any claims under this warranty must be made within fourteen (14) days after the buyer learns of the facts upon which claim is based. **All claims not made in writing and not received by PENG0 within the time specified above may be deemed waived. Serial Number must accompany all claims.**

Pengo will not be responsible for or accept any charges for work carried out by any repairs, or for any charges for any spare parts fitted to any PENG0 products without **written** approval from PENG0.

This warranty is void if field repairs have been made to the hydraulic motors, gearboxes, and controls without written approval. The complete unit must be available for inspection in it's original but alleged failed condition.

PENG0'S liability for any and all losses and damages to buyer resulting from any cause whatsoever, including PENG0 negligence irrespective of whether such defects are discoverable or latent, shall in no event exceed the purchase price of the particular parts, with respect to which losses or damages are claimed, or, at the discretion of PENG0 the repair or replacement of defective or damaged parts.

Any goods returned to PENG0 by the customer under Warranty or repair must have all freight charges prepaid for on the customer's Account.

Returns and Claims

1. Pengo reserves the right to determine whether products claimed to be defective shall be inspected by our personnel in the field or returned to the factory. If judged by Pengo to be defective in material or workmanship, the product will be replaced or a credit issued at the option of Pengo.
2. Upon notification of defect, Pengo's Inside Sales Department will issue a Return Goods Authorization number (RGA). All returns for replacement or credit MUST be accompanied by a RGA number. Products returned without a RGA number will be rejected and returned to the sender freight collect.
3. All returns must be shipped "prepaid". Products shipped "collect" will be refused. Proof of purchase such as invoice number must accompany returns.
4. Slow moving dealer inventory may be returned once per calendar year. The net value cannot exceed 5% of the previous year's purchases. A 20% re-stocking charge will apply to the net value or returned products. All returns must be of current manufacture and in un-used condition. Rusty or custom painted products will not be accepted for return.



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