

**Note:**

Electric worm gear winches are delivered filled up with oil and grease.



## ELECTRIC WORM GEAR WINCHES - DC [CE - EN 14492-1]

| WINCH MODEL | VOLTAGE      | OIL SPECIFICATIONS               | OIL QUANTITY |
|-------------|--------------|----------------------------------|--------------|
| JEC 2700    | 12V – 24V DC | GEAR HOUSING OIL EP 320          | 0,5 Lt.      |
|             |              | SPUR GEAR HOUSING GREASE OSSAGOL | 0,35 Gr.     |
| JEC 3600    | 12V – 24V DC | GEAR HOUSING OIL EP 320          | 0,5 Lt.      |
|             |              | SPUR GEAR HOUSING GREASE OSSAGOL | 0,35 Gr.     |
| JEM 2700    | 12V – 24V DC | GEAR HOUSING OIL EP 320          | 0,5 Lt.      |
|             |              | SPUR GEAR HOUSING GREASE OSSAGOL | 0,35 Gr.     |
| JEM 3600    | 12V – 24V DC | GEAR HOUSING OIL EP 320          | 0,5 Lt.      |
|             |              | SPUR GEAR HOUSING GREASE OSSAGOL | 0,35 Gr.     |
| JEL 2700    | 12V – 24V DC | GEAR HOUSING OIL EP 320          | 0,5 Lt.      |
|             |              | SPUR GEAR HOUSING GREASE OSSAGOL | 0,35 Gr.     |
| JEL 3600    | 12V – 24V DC | GEAR HOUSING OIL EP 320          | 0,5 Lt.      |
|             |              | SPUR GEAR HOUSING GREASE OSSAGOL | 0,35 Gr.     |

| WINCH MODEL | VOLTAGE      | OIL SPECIFICATIONS               | OIL QUANTITY |
|-------------|--------------|----------------------------------|--------------|
| JES 1300    | 12V – 24V DC | GEAR HOUSING OIL EP 320          | 0,5 Lt.      |
|             |              | SPUR GEAR HOUSING GREASE OSSAGOL | 0,35 Gr.     |
| JES 1000    | 12V – 24V DC | GEAR HOUSING OIL EP 320          | 0,5 Lt.      |
|             |              | SPUR GEAR HOUSING GREASE OSSAGOL | 0,35 Gr.     |
| ZEC 2700    | 12V – 24V DC | GEAR HOUSING OIL EP 320          | 0,7 Lt.      |
|             |              | SPUR GEAR HOUSING GREASE OSSAGOL | 0,35 Gr.     |
| ZEC 3600    | 12V – 24V DC | GEAR HOUSING OIL EP 320          | 0,7 Lt.      |
|             |              | SPUR GEAR HOUSING GREASE OSSAGOL | 0,35 Gr.     |
| ZEL 2700    | 12V – 24V DC | GEAR HOUSING OIL EP 320          | 0,7 Lt.      |
|             |              | SPUR GEAR HOUSING GREASE OSSAGOL | 0,35 Gr.     |
| ZEL 3600    | 12V – 24V DC | GEAR HOUSING OIL EP 320          | 0,7 Lt.      |
|             |              | SPUR GEAR HOUSING GREASE OSSAGOL | 0,35 Gr.     |

**Note:**

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## ELECTRIC WORM GEAR WINCHES - AC [CE - EN 14492-1]

| WINCH MODEL | VOLTAGE         | OIL SPECIFICATIONS               | OIL QUANTITY |
|-------------|-----------------|----------------------------------|--------------|
| JAC 2100    | THREEPHASE 50Hz | GEAR HOUSING OIL EP 320          | 0,5 Lt.      |
|             |                 | SPUR GEAR HOUSING GREASE OSSAGOL | 0,35 Gr.     |
| JAC 3600    | THREEPHASE 50Hz | GEAR HOUSING OIL EP 320          | 0,5 Lt.      |
|             |                 | SPUR GEAR HOUSING GREASE OSSAGOL | 0,35 Gr.     |
| JAM 2100    | THREEPHASE 50Hz | GEAR HOUSING OIL EP 320          | 0,5 Lt.      |
|             |                 | SPUR GEAR HOUSING OSSAGOL        | 0,35 Gr.     |
| JAM 3600    | THREEPHASE 50Hz | GEAR HOUSING OIL EP 320          | 0,5 Lt.      |
|             |                 | SPUR GEAR HOUSING OSSAGOL        | 0,35 Gr.     |
| JAL 2100    | THREEPHASE 50Hz | GEAR HOUSING OIL EP 320          | 0,5 Lt.      |
|             |                 | SPUR GEAR HOUSING OSSAGOL        | 0,35 Gr.     |
| JAL 3600    | THREEPHASE 50Hz | GEAR HOUSING OIL EP 320          | 0,5 Lt.      |
|             |                 | SPUR GEAR HOUSING OSSAGOL        | 0,35 Gr.     |

| WINCH MODEL | VOLTAGE         | OIL SPECIFICATIONS        | OIL QUANTITY |
|-------------|-----------------|---------------------------|--------------|
| JAS 1000    | THREEPHASE 50Hz | GEAR HOUSING EP 320       | 0,5 Lt.      |
|             |                 | SPUR GEAR HOUSING OSSAGOL | 0,35 Gr.     |
| JAC 2100    | MONOPHASE 50Hz  | GEAR HOUSING EP 320       | 0,5 Lt.      |
|             |                 | SPUR GEAR HOUSING OSSAGOL | 0,35 Gr.     |
| JAM 2100    | MONOPHASE 50Hz  | GEAR HOUSING EP 320       | 0,5 Lt.      |
|             |                 | SPUR GEAR HOUSING OSSAGOL | 0,35 Gr.     |
| JAL 2100    | MONOPHASE 50Hz  | GEAR HOUSING EP 320       | 0,5 Lt.      |
|             |                 | SPUR GEAR HOUSING OSSAGOL | 0,35 Gr.     |

**Note:**

Worm gear hydraulic winches are delivered without oil. A yellow label on winch gear housing warns winch without oil. Yellow label back side shows recommended oils.



## HYDRAULIC WORM GEAR WINCHES [CE - EN 14492-1]

| WINCH MODEL | OIL SPECIFICATIONS | OIL QUANTITY |
|-------------|--------------------|--------------|
| JHC 3600    | EP 320             | 0,5 Lt.      |
| JHM 3600    | EP 320             | 0,5 Lt.      |
| JHL 3600    | EP 320             | 0,5 Lt.      |
| JHC 2700    | EP 320             | 0,5 Lt.      |
| JHM 2700    | EP 320             | 0,5 Lt.      |
| JHL 2700    | EP 320             | 0,5 Lt.      |
| ZHC 3000    | EP 320             | 0,7 Lt.      |
| ZHL 3000    | EP 320             | 0,7 Lt.      |
| ZHC 2200    | EP 320             | 0,7 Lt.      |
| ZHL 2200    | EP 320             | 0,7 Lt.      |

**Note:** On request worm gear hydraulic winches can be ordered complete with oil in the gear housing. Price must be agreed with our Sales department.

| WINCH MODEL | OIL SPECIFICATIONS | OIL QUANTITY |
|-------------|--------------------|--------------|
| RNH 4400    | EP 320             | 0,75 Lt.     |
| RSH 4500    | EP 320             | 0,75 Lt.     |
| RSH 5250    | EP 320             | 0,75 Lt.     |
| RCH 4500    | EP 320             | 0,75 Lt.     |
| RCH 5250    | EP 320             | 0,75 Lt.     |
| MH 7850     | EP 320             | 1,4 Lt.      |
| MHS 8000    | EP 320             | 1,4 Lt.      |
| WHC 15000   | EP 320             | 3 Lt.        |
| WHL 15000   | EP 320             | 3 Lt.        |
| NH 20000    | EP 320             | 4,5 Lt.      |
| PH 30000    | EP 320             | 5,5 Lt.      |

**Note:**

Hydraulic planetary gear winches are delivered with oil.

**HYDRAULIC PLANETARY GEAR WINCHES [CE - EN 14492-1]**

| WINCH MODEL                  | OIL SPECIFICATIONS  | OIL QUANTITY |
|------------------------------|---------------------|--------------|
| EPH 3600FN hydraulic brake   | 15 / W40 Multigrade | 0,8 Lt.      |
| EPH/L 3600FN hydraulic brake | 15 / W40 Multigrade | 0,9 Lt.      |
| EPH 4500FN hydraulic brake   | 15 / W40 Multigrade | 0,9 Lt.      |
| EPH/C 4500FN hydraulic brake | 15 / W40 Multigrade | 0,8 Lt.      |
| EPH 5200FN hydraulic brake   | 15 / W40 Multigrade | 0,9 Lt.      |
| EPH/C 5200FN hydraulic brake | 15 / W40 Multigrade | 0,5 Lt.      |
| EPH 6200FN hydraulic brake   | 15 / W40 Multigrade | 0,9 Lt.      |
| EPH/C 6200FN hydraulic brake | 15 / W40 Multigrade | 0,5 Lt.      |
| EPH 6700FN hydraulic brake   | 15 / W40 Multigrade | 0,9 Lt.      |
| EPH/C 6700FN hydraulic brake | 15 / W40 Multigrade | 0,5 Lt.      |

| WINCH MODEL                  | OIL SPECIFICATIONS | OIL QUANTITY |
|------------------------------|--------------------|--------------|
| EPHL 10000FN hydraulic brake | ISO VG46           | 2,4 Lt.      |
| EPHC 10000FN hydraulic brake | ISO VG46           | 1,7 Lt.      |
| EPHL 12500FN hydraulic brake | ISO VG46           | 2,4 Lt.      |
| EPHC 12500FN hydraulic brake | ISO VG46           | 1,7 Lt.      |
| EPHL 15000FN hydraulic brake | ISO VG46           | 2,4 Lt.      |
| EPHC 15000FN hydraulic brake | ISO VG46           | 1,7 Lt.      |
| EPHL 16500FN hydraulic brake | ISO VG46           | 2,4 Lt.      |
| EPHC 16500FN hydraulic brake | ISO VG46           | 1,7 Lt.      |
| EPHL 20000FN hydraulic brake | ISO VG46           | 4 Lt.        |
| EPHL 22500FN hydraulic brake | ISO VG46           | 4 Lt.        |
| EPHL 25000FN hydraulic brake | ISO VG46           | 4 Lt.        |