D-Series Servo



D-Series



D-Series servo hoist - overall view



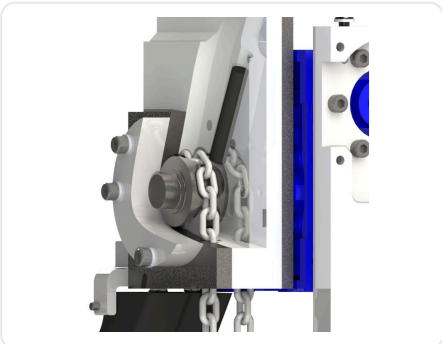
D-Series - side view



D-Series - control handle (rear)



D-Series - bottom view



Graphite chain lube stick

D-Series Servo Hoist

Series: KSH200DS / KSH400DS / KSH750DS / KSH1000DS

The Knight Global **D-Series** Servo Hoist carries all the features of the patented **"Safety Drop Stop" (SDS)** Servo Hoist — but without I/O, which **significantly lowers the investment cost** compared with the original SDS.

It is the **safest, smartest and most economical** powered servo hoist solution on the market. The D-Series retains full advanced programming capability, allowing Knight Global to compete directly with mid-range IADs without compromising safety.

***Note:** This unit requires the **KLCA1030 Inline Control Handle**. A graphite chain lube stick is built into the gearbox — replacement sticks can be ordered separately. Contact FULLSHARP for advice and a quotation.

D-Series specifications

Model	Capacity (lbs / kg)	Max Speed (fpm / mpm)	Voltage / Phase
KSH200DS-2401-005	200 lbs [90 kg]	241 fpm [73.5 mpm]	240V / 1 Phase
KSH400DS-2401-005	400 lbs [181 kg]	120 fpm [35.5 mpm]	240V / 1 Phase
KSH750DS-2401-005	750 lbs [340 kg]	150 fpm [45.7 mpm]	240V / 1 Phase
KSH1000DS-2401-005	1000 lbs [453 kg]	105 fpm [32 mpm]	240V / 1 Phase

Features & benefits

Mechanical

- **Redundant dual-chain safety design:**
- Lifting speed up to 241 ft/min [60 mpm]
- Maximum capacity up to 1,000 lbs [453 kg]
- 125% safety factor
- Motor-Holding Brake
- Patented Knight chain — exceptional service life
- Integrated redundant chain guide
- Two separate chain containers
- Chain length: unlimited (3.6–5.5 m standard)
- Sealed worm gearbox
- H5 duty rating (Continuous Duty Cycle)
- CE certified
- Integrated graphite Chain Lube Stick

Software

- STO — Safe Torque Off
- Enhanced UI

- Standard Ethernet connectivity
- Programming and diagnostic port
- Virtual Travel Limits
- Programmable Speed Reduction Zones
- Impact Limiting
- Active Damping
- **Knight-exclusive "Float" Mode**
- Programmable Overload

Electrical

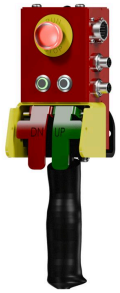
- Industry 4.0 compliant
- Integrated illuminated Run-Stop button
- Fast-response Enable Trigger
- 240 VAC, 1 Phase, 50/60 Hz
- Dual load sensing: payload & handle load
- Green / blue LED — status indication
- Red LED — fault indication, twist to reset

Accessories

Servo controls



Inline handle with trigger (D-Series) KLCA1030



2-speed handle with OCI KCA1033



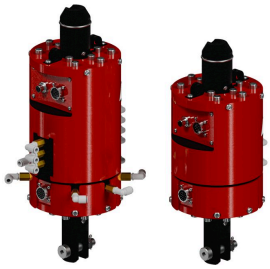
Electric rotary union KLCA1064



Electric-pneumatic rotary union (200–400 lbs) KLCA1058 / 1061



Electric-pneumatic rotary union (750–1000 lbs) KLCA1059 / 1062



Electric-pneumatic rotary union (350 lbs) KLCA1060 / 1063

General accessories



Precision chain wear gauge KSAA1003



SDS replacement chain kit KDSA1010 / 1011



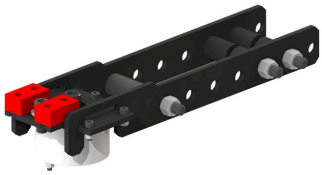
Quick connect / disconnect coupling KSAA1001 / 1002



Chain shackle KSAA1004



Swivel hook shackle KSAA1007



Servo Hoist rail brake KSAA1011



Swivel eye hook KSAD1022



Rotary union adapter KSAA1073 / 1075

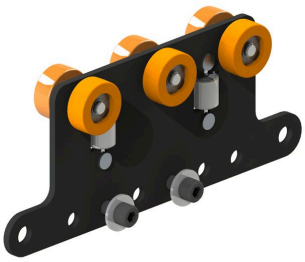
Load trolleys



Servo load trolley (RAD7510 rail) KSAA1050



Servo load trolley (RAD6110 rail) KSAA1059



Servo load trolley (RAD4110 rail) KSAA1048

Power cables



Coiled cable KCA1040



Straight cable KCA1041



8-pin micro switch cable On request



4-pin micro switch cable On request

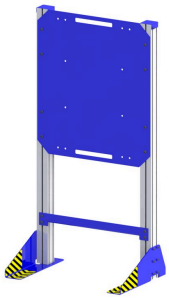
Disconnects



3KVA disconnect (480→240VAC) KCA1018



5KVA dual disconnect KCA1056



Disconnect stand KCA1001

Technical documents

Brochures

- D-Series Servo Hoist — Product Brochure PDF
- Servo Systems Brochure — Knight Global servo line overview PDF
- Industry 4.0 Capabilities — Smart connectivity features PDF

Manuals

- D-Series Servo System — Operation Manual v.12.2021 PDF

Installation guides

- Knight Rotary Union Guide — Rotary Union Installation PDF
- Knight Servo Configuration Software ZIP

FULL-SHARP AUTOMATIZED VN (FULLSHARP)
Authorized distributor of Knight Global servo hoists in Vietnam
For help selecting the right D-Series model and a detailed quotation, please contact a FULLSHARP representative.

Contact us for consultation and a quotation

Vietnam factory: Workshop A1-1, VSIP Hai Phong, Nam Trieu Ward, Hai Phong City · +84 817 888 198
Taiwan factory: Zhongli District, Taoyuan City · +886 3-451-8806
Email: sales@fullsharp.com.vn · **Website:** www.fullsharp.com

Specifications may vary with the ordered configuration. Please contact FullSharp for exact details.