



ELECTRIC WIRE ROPE HOIST

XM SERIES

SPARE PARTS CATALOGUE

MAIN SPARE PARTS LIST WITH ITEM CODE

Identification Code (*)

Example: **5 / B-1 / 1**

↓ ↓ ↓
PAGE ITEM
 FIGURE



WIRE ROPE AND CHAIN electric hoists



MISIA

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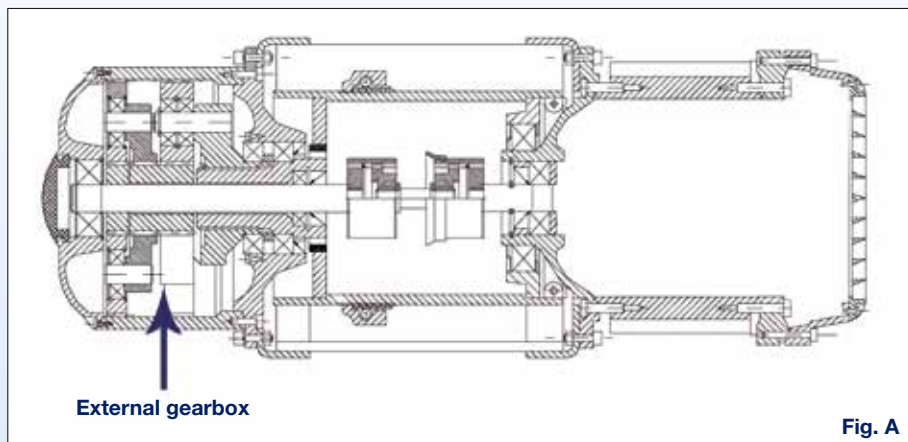
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WARNING!

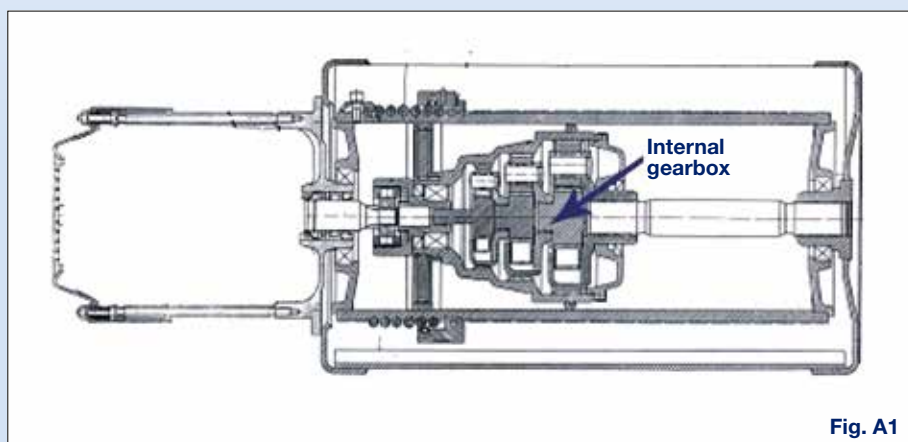
Any spare parts' requirement must indicate the hoist's S/N.



XM Hoists models 308 / 312 / 316 / 525



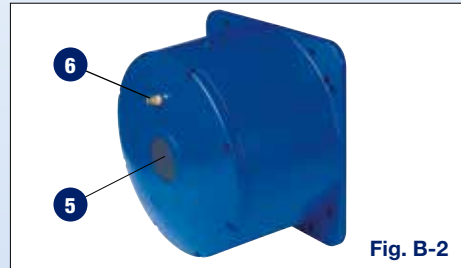
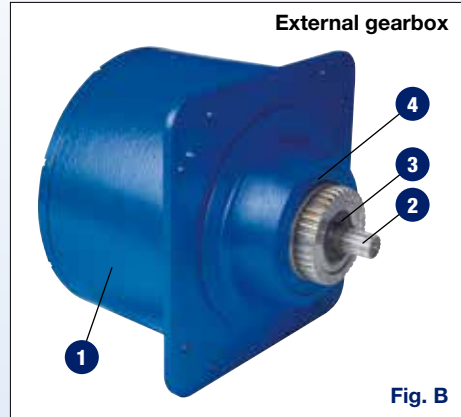
XM Hoists models 740 / 750 / 950 / 963 / 980 / 1100 / 1125



PLANETARY GEARBOX

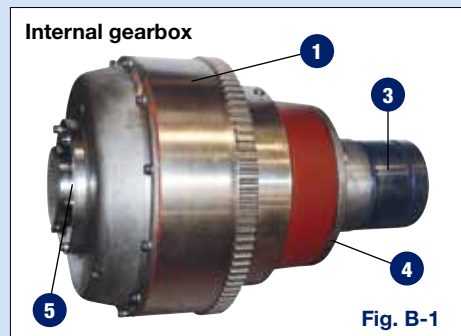
For XM hoists models 308 / 312 / 316 / 525

- 1 Complete lifting gearbox for hoists models: 308 / 312 / 316 / 525 (its position is on the external side of the hoists' body)
- 2 Gearbox fast shaft
- 3 Fast shaft's seal ring
- 4 Slow shaft's seal ring
- 5 Oil's cork
- 6 Vent valve



For XM hoists models 740 / 750 / 950 / 963 / 980 / 1100 / 1125

- 1 Complete lifting gearbox for hoists models: 740 / 750 / 950 / 963 / 980 / 1100 / 1125 (its position is inside the hoist's body)
- 3 Geared coupling
- 4 Fast shaft's seal ring
- 5 Slow shaft's seal ring



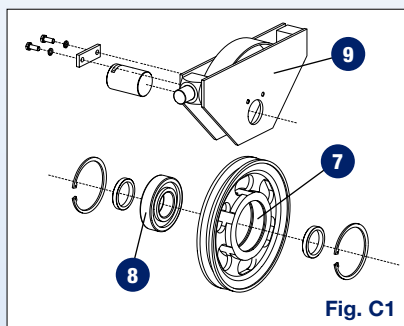
HOIST'S BODY

The body of the hoist is composed by:

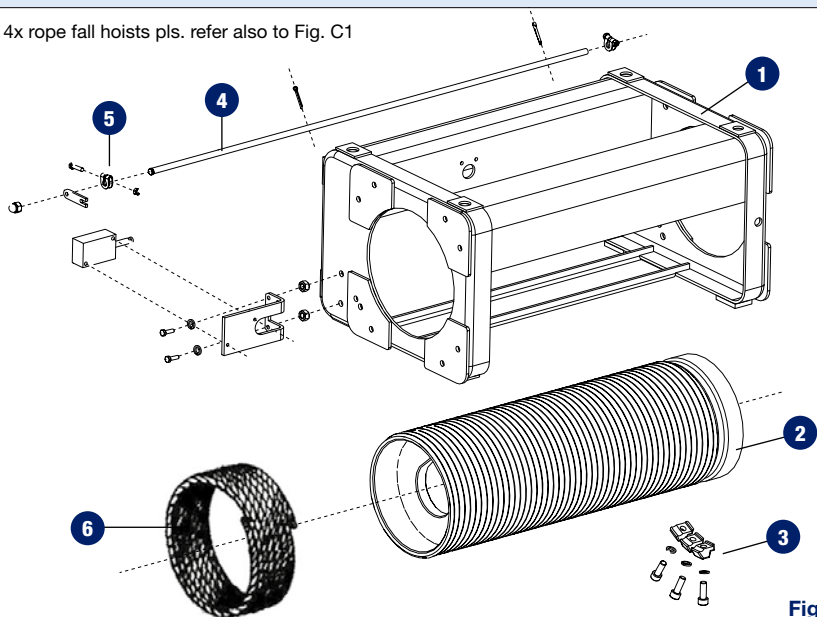
- 1 Frame
- 2 Drum
- 3 Fixing rope plate
- 4 Limit switch control bar
- 5 Control bar fixed limiters
- 6 Wire rope
- 7 8 Return sheave with bearing (only 4x rope falls hoists)
- 9 Traverse with compensation pulley

REMARK

For 2x rope falls hoist only consider spares from 1 to 6 (Fig. C).



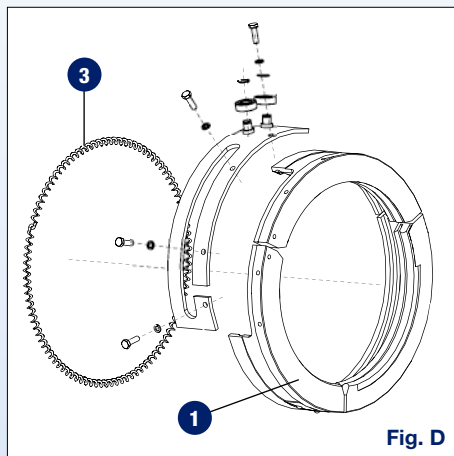
For 4x rope fall hoists pls. refer also to Fig. C1



ROPE GUIDE

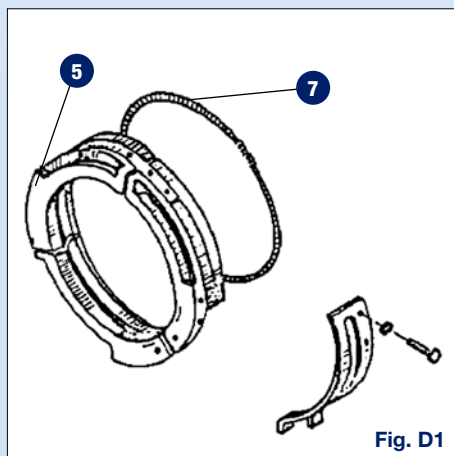
For XM hoists models 308 / 312 / 316 / 525 / 740 / 750

- 1 Complete rope guide (full set including pad and spring)
- 3 Rope guide spring



For XM hoists models 950 / 963 / 980 / 1100 / 1125

- 5 Complete rope guide (full set including pad and spring)
- 7 Rope guide spring



COUPLING & INTERMEDIATE SHAFT

For XM hoists models 308 / 312 / 316 / 525

- 1** Complete set
(geared coupling
with intermediate shaft)
- 2** Geared coupling
(motor side)
- 3** Intermediate connecting shaft
- 4** Geared coupling
(gearbox side)

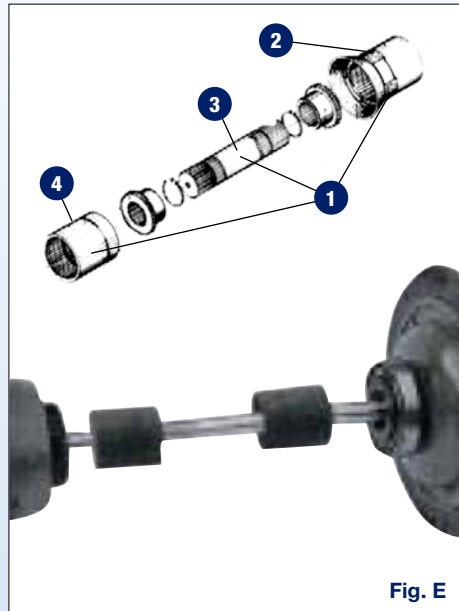


Fig. E

For XM hoists models 740/ 750 / 950 / 963 / 980 / 1100 / 1125

- 5** Complete set of geared couplings
- 6** Geared coupling
(gearbox side)
- 7** Geared coupling
(motor side)

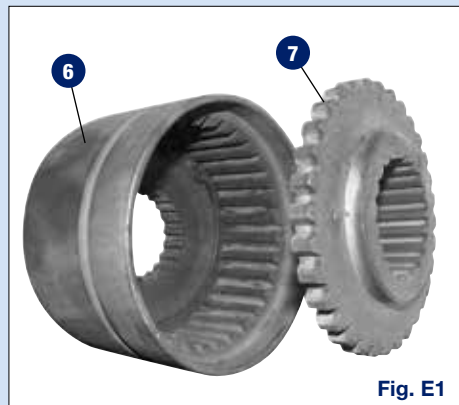
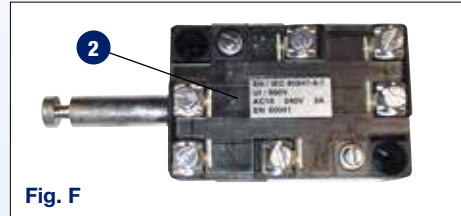


Fig. E1

END LIFTING SWITCH (over-reeving limiter)

For XM hoists models 308 / 312 / 316 / 525 / 740/ 750 / 950 / 963 / 980 / 1100 / 1125

- 1 Complete set end-lifting switch with its cradle box and cable pass-by
- 2 End-lifting switch
- 3 Cradle box with cable pass-by
- 4 Switch fork
(connected with limit switch control bar, page 6 / Fig. C / 4)

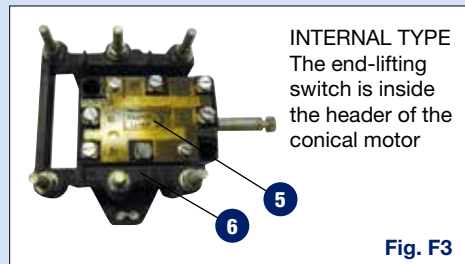


End lifting switch (external type)



With conical motor:

- 4 Switch fork
(connected with limit switch control bar, page 6 / Fig. C / #4)
- 5 End-lifting switch
- 6 Wiring terminal block



INTERNAL TYPE
The end-lifting switch is inside the header of the conical motor

OVERLOAD LIMITER

Electronic overload limiter with dynamo-metric pin and 24V AC/DC electronic chip

- 1 Dynamo-metric pin
- 2 Box with chip (PCB)
- 3 Setting keypad
- 4 Connector
- 5 Stirrup with wedge for rope fastening

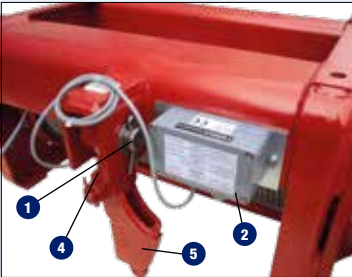


Fig. G



Fig. G1

Electro-mechanical overload limiter with "cup-springs" and micro-switches

- 6 Regulation screw
- 7 Fixing nut
- 8 Micro-switches
- 9 "Cup-springs" set
- 10 Plate

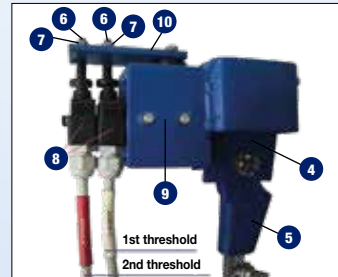


Fig. G2

OVERLOAD LIMITER (Fig. G/ Pos. 2) QUICK-SETTING GUIDE

See DSET 01 and DSET 22 CONNECTIONS

Unless differently requested the OL chip-box Item Fig. G/ Pos. 2) has been pre-set at two different thresholds:

Level 1 = 110% (SWL + 10%)

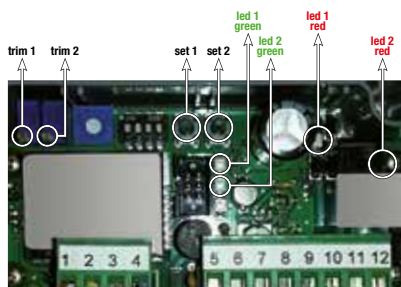
Level 2 = 125% (SWL + 25%)

During commissioning fine tuning might be needed.

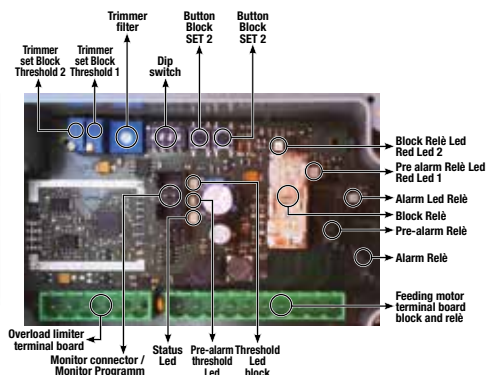
In this case first hang a load whose weight is known ("known load": better if 100% matching the SWL), minimize swinging, and proceed as it follows:

- 1) lift the load and check the correspondence of the intervention levels (Level 1 and Level 2);
- 2) if the intervention levels mismatch:
 - 2a) if the OL intervention OVERTAKES the desired level, turn the trimmer (1 or 2, depending on the level you interfere with) in anti-clockwise direction, so as to reach the desired level;
 - 2b) if the OL intervention ANTICIPATES the desired level, turn the trimmer (1 or 2, depending on the level you interfere with) in clockwise direction, so as to establish the desired level;
- 3) in both cases 2a) or 2b) JUST IGNORE the GREEN LED BLINKING (it only confirms that fine tuning is in progress);
- 4) keep turning until the RED LED (1 or 2, depending on the level you are interfering with) is OFF;
- 5) keep the "SET" button (SET 1 or SET 2, depending on the level you are interfering with) for 5" until the GREEN LED stops blinking;
- 6) drop the load and restart the procedure from point 1), so as to check the new setting.

DSET 01 CONNECTIONS



DSET 22 CONNECTIONS



CONICAL LIFTING MOTOR

- 1 Complete lifting motor
- 2 Protection grid
- 3 Brake regulation nut
- 4 Brake fan
- 5 Brake bell
- 6 Motor shaft with rotor
- 7 Stator/Rotor air-gap regulation nut
- 8 Wiring connector terminal block
- 9 Forced-ventilation kit

Fig. H

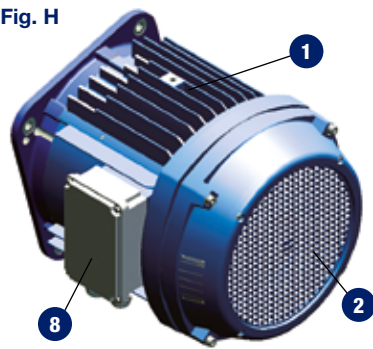


Fig. H2

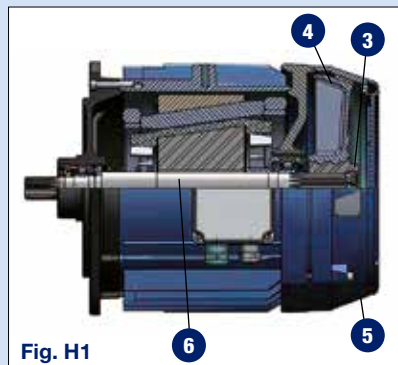
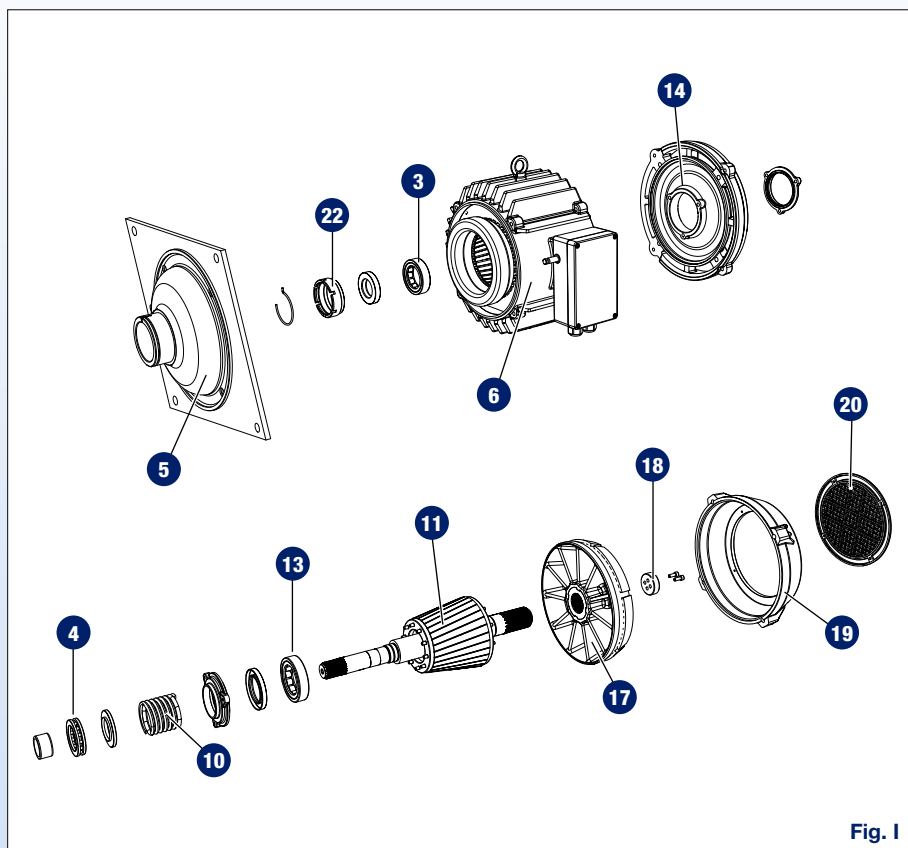


Fig. H1

CONICAL LIFTING MOTOR



CONICAL LIFTING MOTOR

- 3** Roll bearing
- 4** Axial ball bearing
- 5** Frontal flange
- 6** Stator body
- 10** Spring
- 11** Rotor and shaft
- 13** Roll bearing
- 14** Rear flange
- 17** Brake fan with ferodo
- 18** Brake regulation nut
- 19** Brake bell
- 20** Protection grid
- 22** Nut
- 23** Complete motor

WARNING!

Any spare parts' requirement must indicate the hoist's S/N.

Identification Code (*)

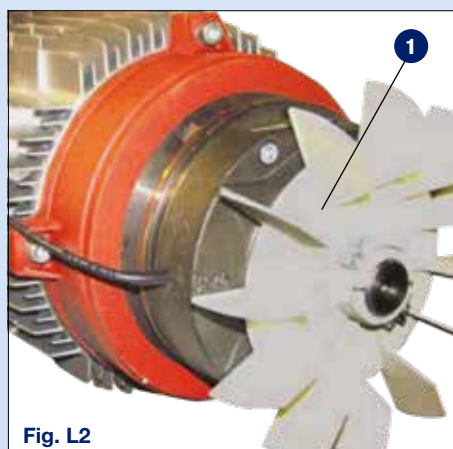
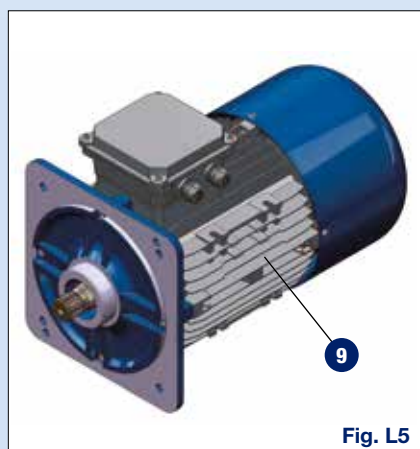
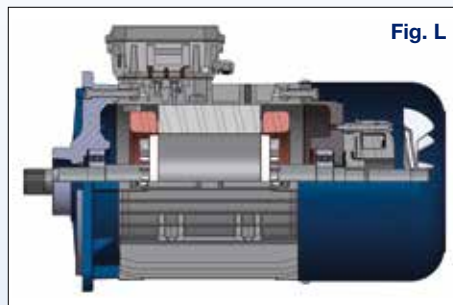
Example: **5 / B-1 / 1**
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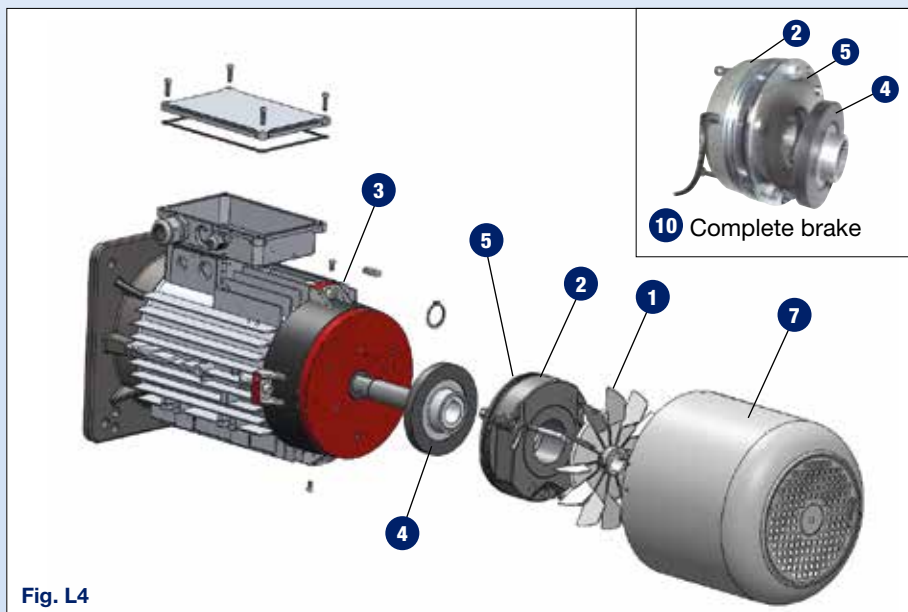
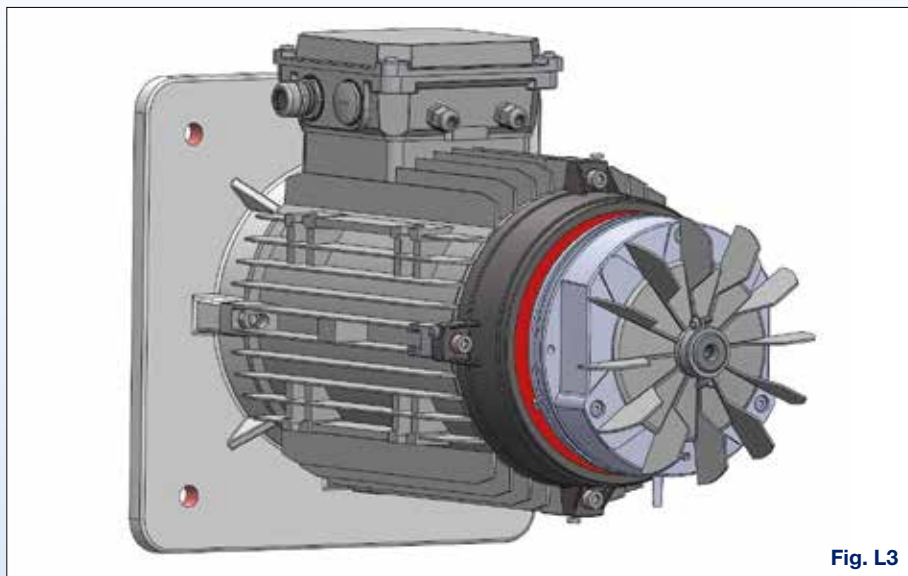
Fig. J2

CYLINDRICAL LIFTING MOTOR

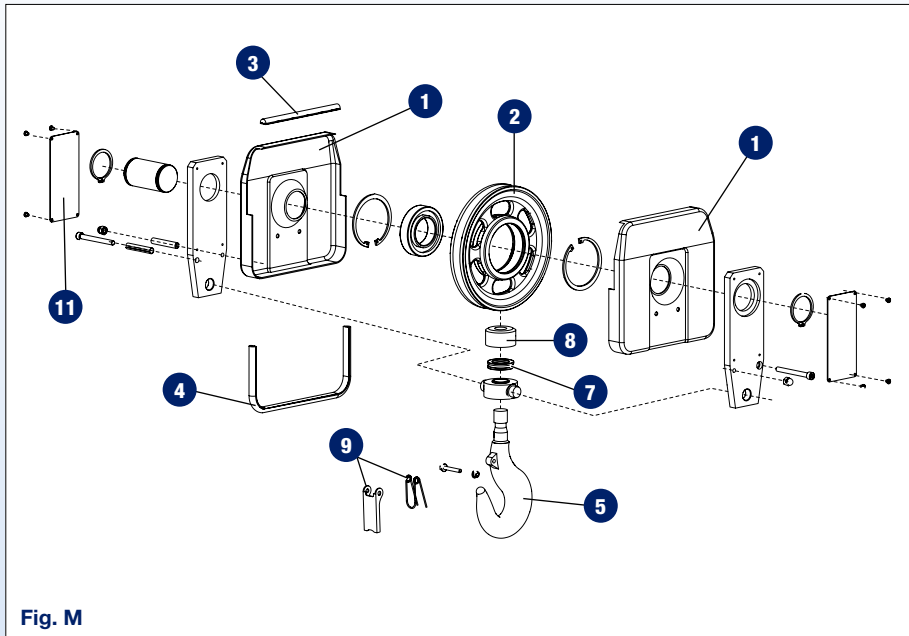
- ❶ Cooling fan
- ❷ Electro-magnet coil
- ❸ Motor main body
- ❹ Brake disc with ferodo/lining
- ❺ Mobile anchor
- ❹❶❷ Brake current rectifier
- ❷ Protection cover
- ❹ Complete motor
- ❷❹❶❷❹❶❷ Complete brake



CYLINDRICAL LIFTING MOTOR



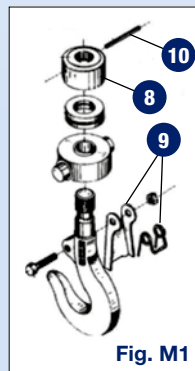
HOOK BLOCK 2X ROPE FALLS - S2 (2/1 REEVINGS)



- 1** External cover
- 2** Sheave with bearings
- 3** Upper profile
- 4** Lower profile
- 5** Hook
- 7** Axial bearing
- 8** Nut
- 9** Safety with springs
- 10** Elastic plug
- 11** SWL and Fem class label
- 12** Complete hook block

Covers **1** supplied as set with profile **4**.

Hook **5** supplied with nut **8** and axial bearing **7**.



HOOK BLOCK 4X ROPE FALLS - S4 (4/1 REEVINGS)

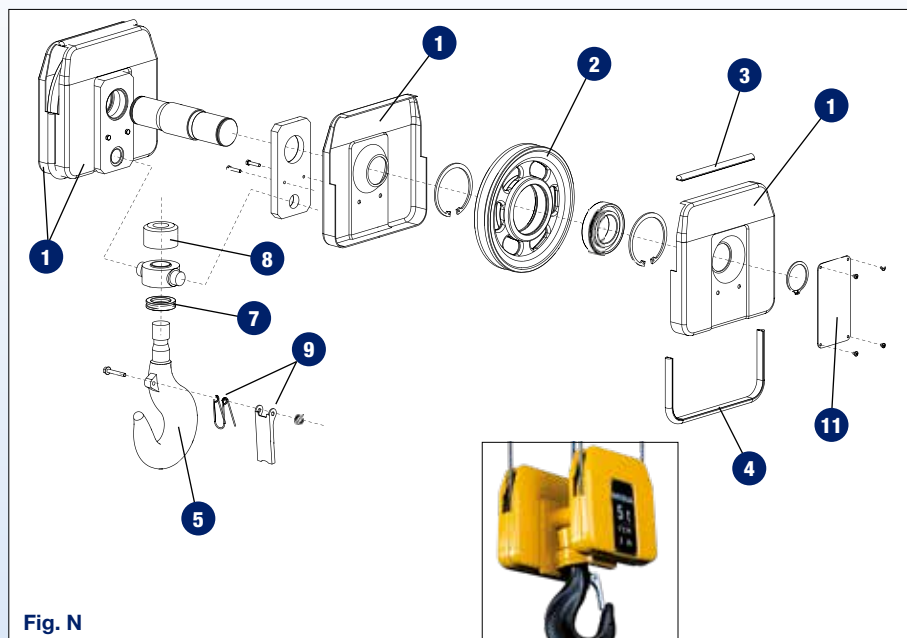


Fig. N



Fig. N3

- 1 External case
- 2 Sheave with bearings
- 3 Upper profile
- 4 Lower profile
- 5 Hook
- 7 Axial bearing
- 8 Nut
- 9 Load safety plate with springs
- 10 Plate
- 11 Load capacity and Fem class label
- 12 Elastic plug
- 13 Complete hook block

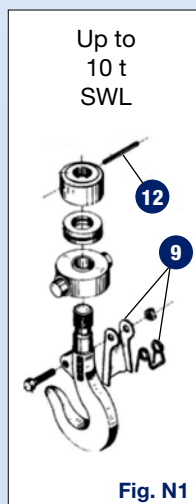


Fig. N1

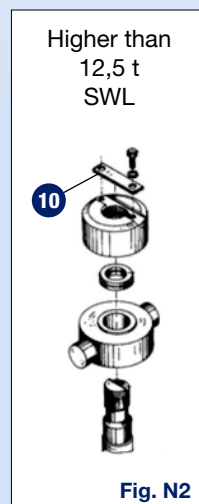


Fig. N2

MONORAIL STANDARD TROLLEY (TYPE 3)

- 1 Drive trolley
- 2 Idle trolley
- 3 Travel motor
- 4 Gearbox
- 5 Drive wheel with bearings
- 6 Idle wheel with bearings
- 8 Hoist/Trolley shaft

WARNING!

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Identification Code (*)

Example: 5 / B-1 / 1
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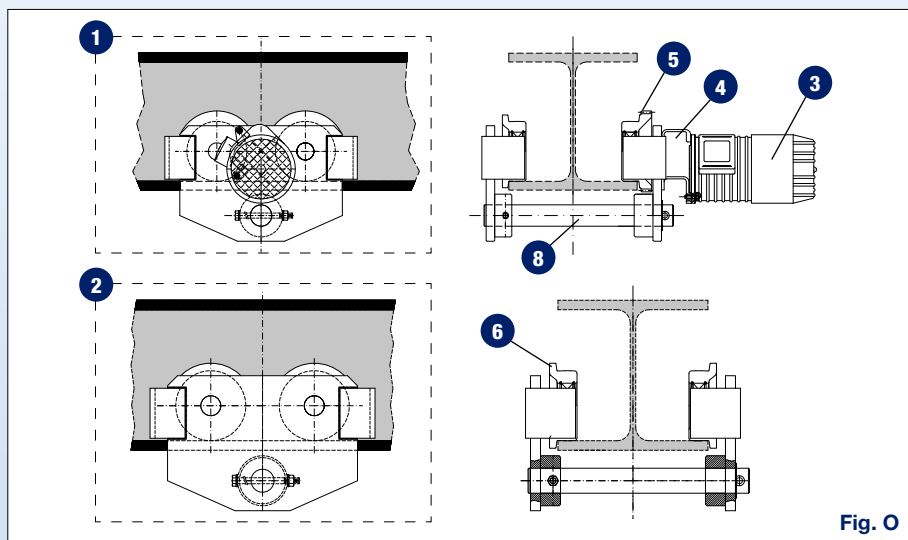


Fig. O



MONORAIL STANDARD HEADROOM (TYPE 3) TRAVEL MOTOR

- 1 Complete travel motor
- 2 Brake current rectifier
- 3 Motor header
- 4 Brake fan with ferodo
- 5 Electro-magnet
- 6 Protection cover
- 7 Mobile anchor
- 8 Brake complete set

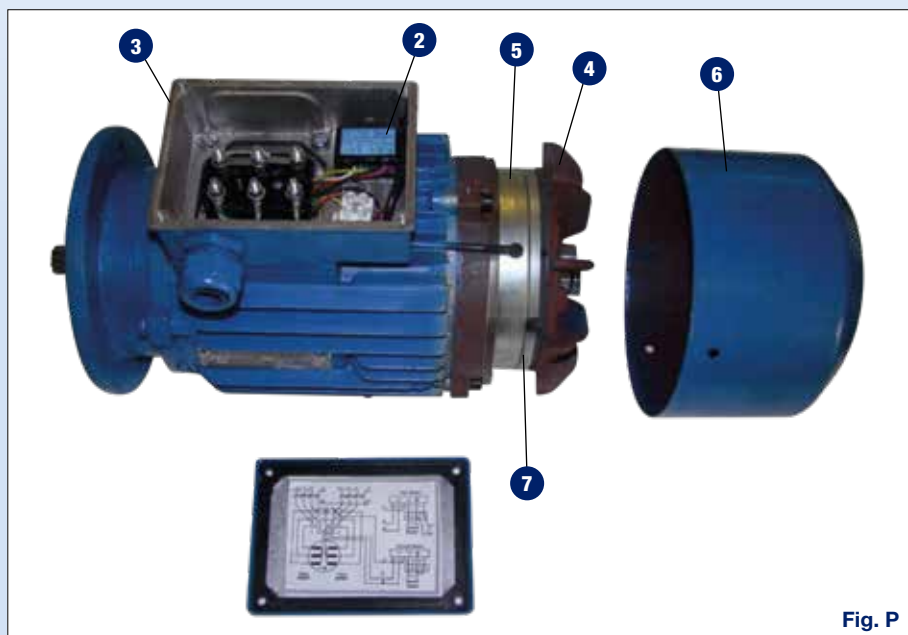
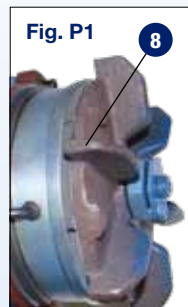


Fig. P

MONORAIL LOW HEADROOM TROLLEY (TYPE 83)

- 1** Travel motor
- 2** Complete gearbox
- 3** Drive wheel with bearings
- 5** Idle wheel with bearings
- 6** Drive wheel control shaft
- 7** Return traverse
(for 4x rope falls hoists only)
- 8** Return sheave with bearings
(for 4x rope falls hoists only)



Fig. Q

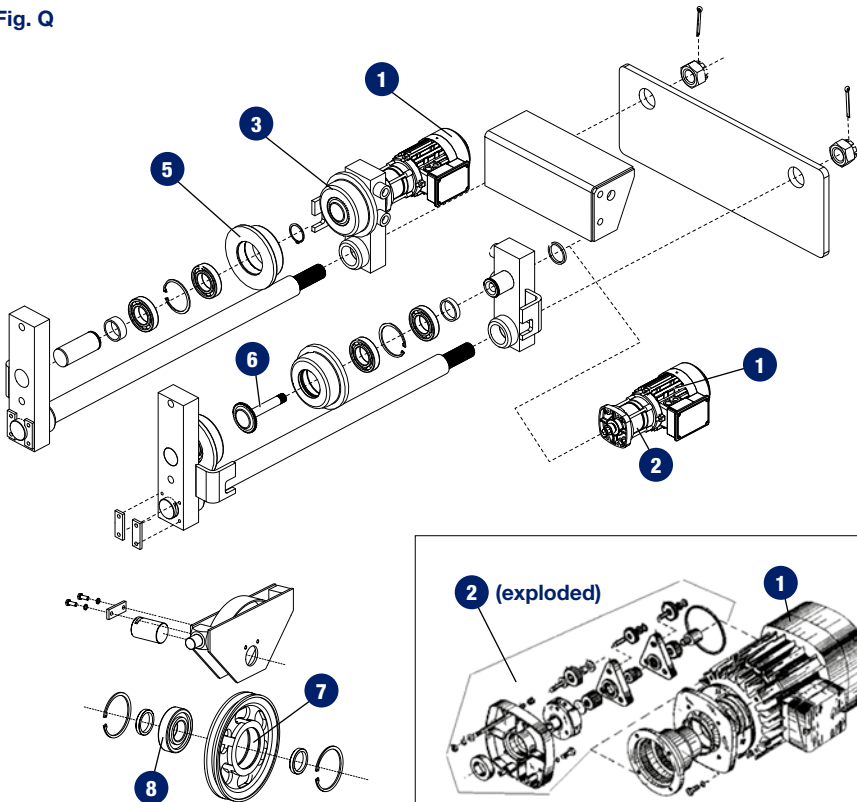
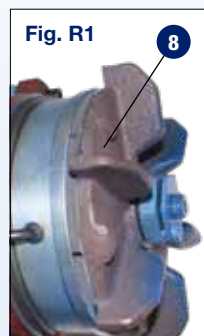


Fig. Q1

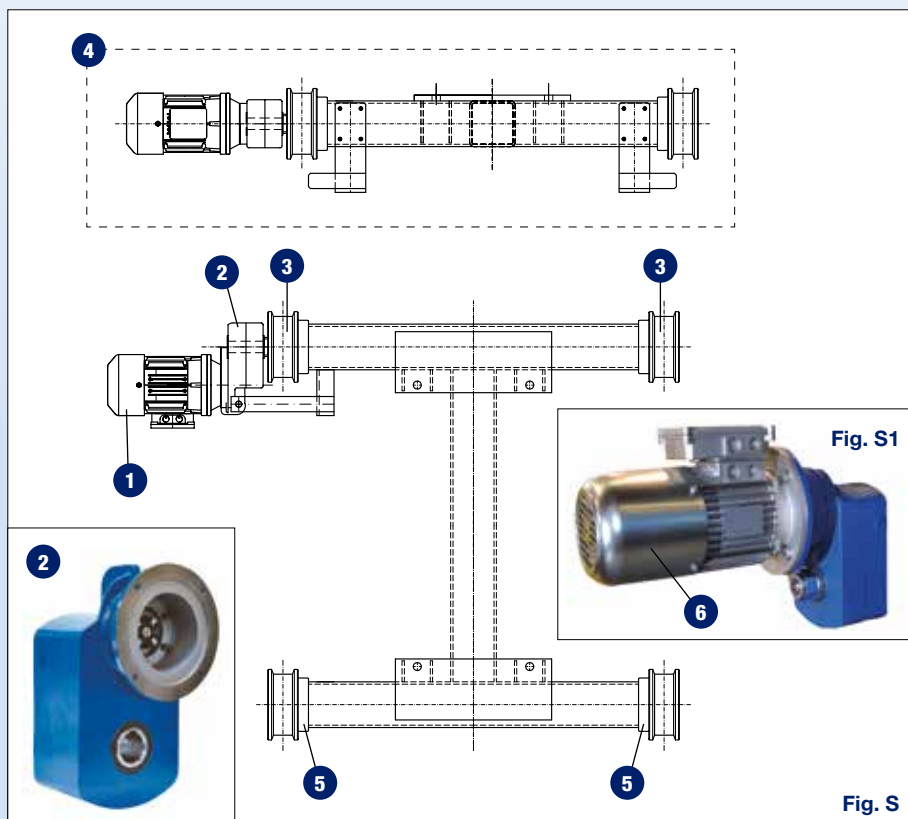
MONORAIL TROLLEY LOW HEADROOM (TYPE 83) TRAVEL MOTOR

- 1 Complete travel motor
- 2 Brake current rectifier
- 3 Electro-magnet
- 4 Brake fan with ferodo
- 5 Protection cover
- 6 Motor header
- 7 Mobile anchor
- 8 Brake complete set



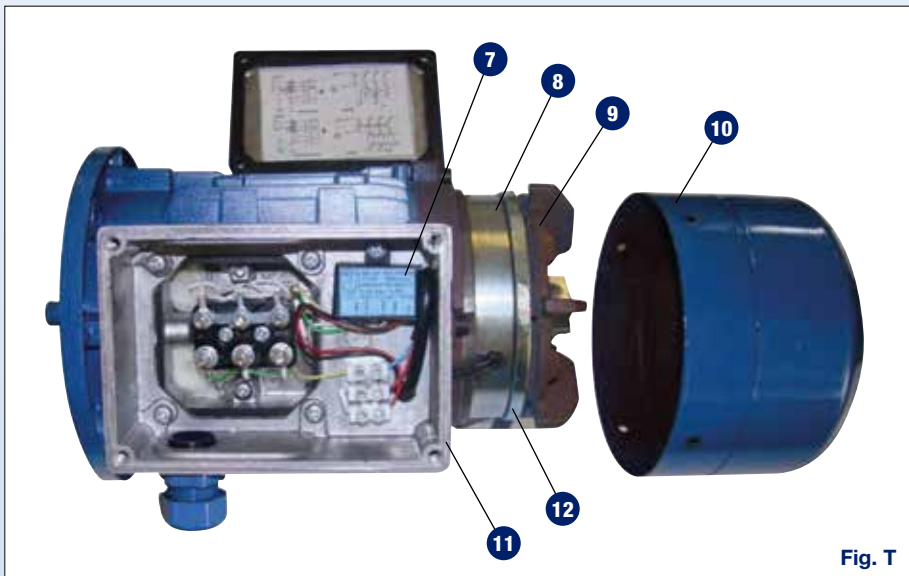
BI-RAIL TROLLEY (TYPE 53)

- 1 Travel motor
- 2 Gearbox
- 3 Drive wheel
- 4 Complete bi-rail trolley
- 5 Idle wheel
- 6 Travel motor and its gearbox (complete set)



BI-RAIL TROLLEY (TYPE 53) TRAVEL MOTOR

- 6 Complete brake
- 7 Brake current rectifier
- 8 Electro-magnet
- 9 Brake fan with ferodo
- 10 Cover protection
- 11 Motor header
- 12 Mobile anchor



MISIA SPECIAL TOOLS FOR HOIST MAINTENANCE

LX 500 KG

Manual mini hoist for
maintenance



LX 500 KG - CU

Bag





HTFT 01
Ropeguide pliers



Fig. UT-1

HTFT 02
Rope guide spring puller set



Fig. UT-2

HTFT 03
Wheel brake wrench
conical motor



Fig. UT-3

HTFT 04
Wheel brake extractor
conical motor



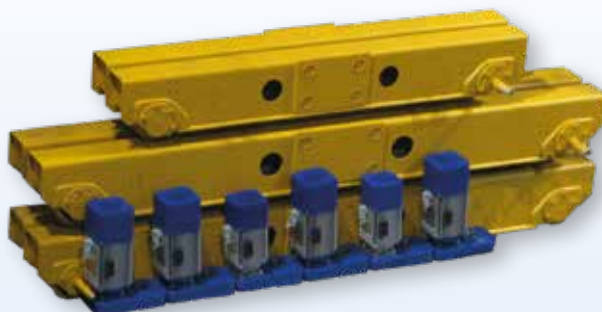
Fig. UT-4

HTFT 05
Brake fan inserter for
axial insertion



Fig. UT-5

END-TRUCKS - PUSH BUTTON BOXES



1
Motorized
gearbox 90°



2
Motorized
gearbox



3
Motorized
gearbox

Fig. V



1
Pendant push button complete
of cable and plug socket



2
Wireless remote control complete
of cable and plug socket

Fig. Z

SPARE PARTS' ORDER FORM

 MISIA PARANCHI S.r.l. VIA DEI LAVORATORI, 9/11 20092 CINISELLO B.MO MILANO ITALY		
		
PARANCO ELETTRICO A FUNE ELECTRIC ROPE HOIST		N° 94900
PORTATA CAPACITY 5.000 kg.		TIPO TYPE XM312NS4H7A/53a
CORSA GANCIO HEIGHT OF LIFT 7 m.		ANNO DI FABBRICAZIONE MANUFACTURING YEAR 2011
VELOCITA' SOLLEV. HOISTING SPEED 4/1.3 m/min.		POTENZA POWER 4.5/1.5 Kw
GRUPPO GROUP FEM 2m		ALIMENTAZIONE SUPPLY 415 V- 50 Hz

WARNING!

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Identification Code (*)

Example: **5 / B-1 / 1**
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Hoist's S/N: _____

Hoist type: _____

Manufacturing year: _____

ITEM (*): _____ / _____ / _____ Units _____

ITEM (*): _____ / _____ / _____ Units _____

ITEM (*): _____ / _____ / _____ Units _____

Remarks: _____



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