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Quick Tension System



QTH 10-12 GPM

- INFORMAZIONI TECNICHE
- TECHNICAL DATA SHEET

- Hydraulics Chainsaw
- **Code: A5M001**



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MITO QTH 10-12


Dati Tecnici \ Performance data

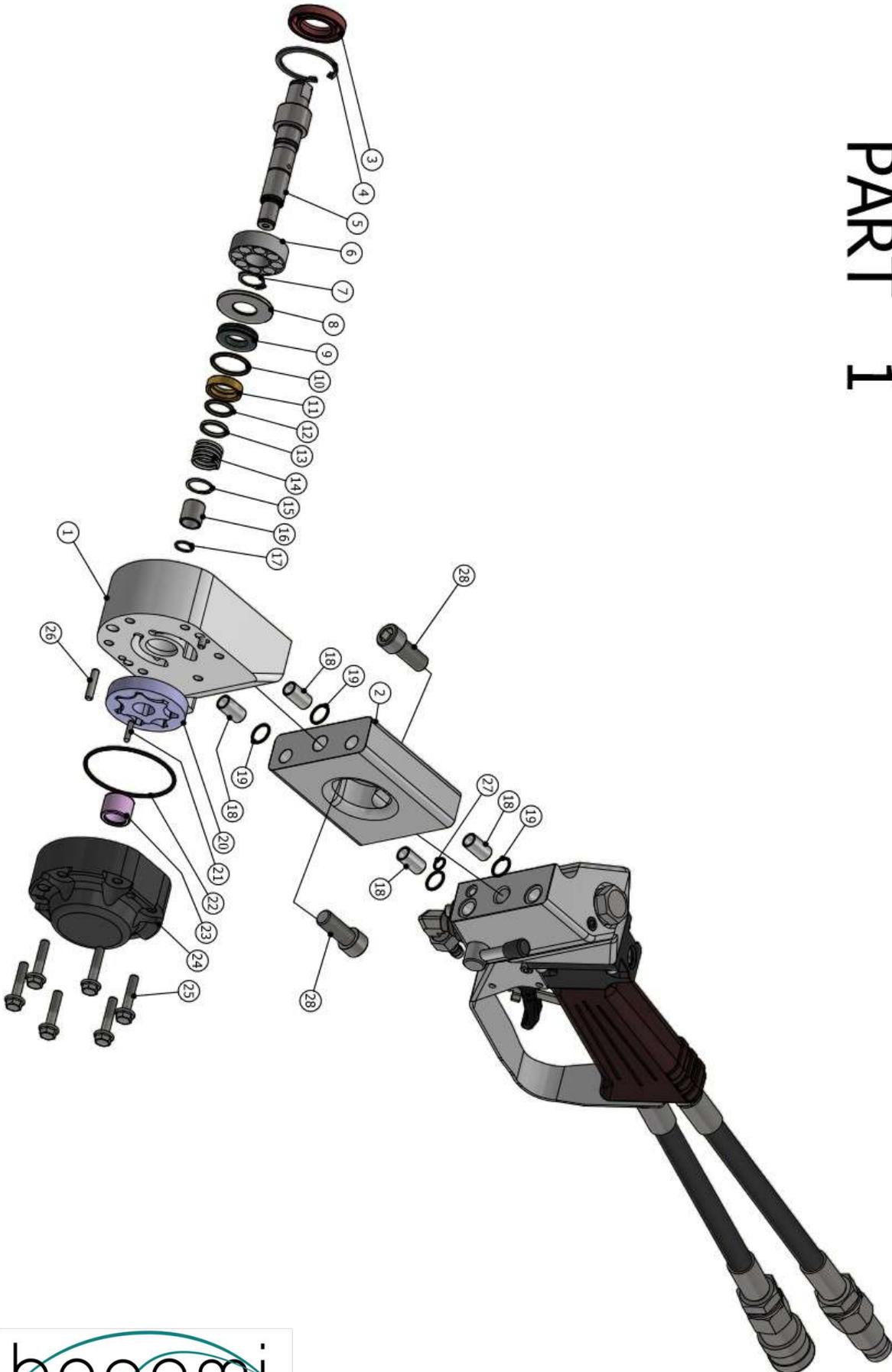
| MODELLO - MODEL | MITO QTH 10-12 A5M001 |
|--|---|
| <u>INFORMAZIONI TECNICHE</u> | |
| <u>TECHNICAL DATA SHEET</u> | English (Metric) |
| PESO MACCHINA SENZA BARRA E CATENA Machine Weight without bar and chain | 25,3 lbs (11,5 Kg) |
| MISURA DELLA BARRA Bar sizes Range | 10", 15", 20", 25" (mm 254, 381, 500, 640) |
| DIMENSIONI (con barra da 15") Dimensions (with 15" guidebar) | 46 x 10,25 x 12 in. (116,9 x 26,4 x 30,5 cm) |
| PROFONDITA' DI TAGLIO (con barra da 15") Depth of cut (with 15" bar) | 15 in (381 mm) |
| <u>CATENA Chain</u> | |
| NUMERO SEGMENTI PER CATENA DA 15" Chain Segments number for 15 in. bar | 57 |
| PASSO MAGLIE CATENA Chain pitch Suitable for the following | 3/8, 0,444 , 0,456 |
| SPESSORE DEI SEGMENTI Chain Segment Width | 0,225" - (5,8 mm) |
| <u>BARRA—Bar</u> | |
| INGRANAGGIO DI TESTA Nose Sprocket | Bearing |


Dati Tecnici \ Performance data

| | |
|--|---|
| MODELLO - Model | MITO QTH 10-12 A5M001 |
| <u>CARATTERISTICHE IDRAULICHE</u> <u>Hydraulics Specification sheet</u> | English (Metric) |
| SISTEMA TIPO—Type of system | Open center |
| PORTATA NOMINALE - Nominal Flow rate | 10-12 gpm (37-45 lpm) |
| MASSIMA PRESSIONE DI RITORNO—back pressure Max | 50 psi (3,5 bar) |
| LUNGHEZZA MASSIMA DEI TUBI— Hose length Max | 100 ft (30 m) |
| GIUNTO—Couplins | 1/2" HTMA flush face |
| <u>RAFFREDDAMENTO ACQUA—Water requirements</u> | |
| FLUSSO ACQUA MINIMO — Minimal Flow rate | 2,5 gpm (9,5 l/min) |
| PRESSIONE MAX — Pressure Max. | 50 psi (3 bar) |
| <u>PRESTAZIONI - Operation</u> | |
| POTENZA A (172 bar) - Power @2500 psi | 14 hp (10,3 kw) |
| TORSIONE ALL'ALBERO A (172 bar) - Torque @ 2500 psi (Teoric) | 161,15 in.-lb (18,2 Nm) |
| VELOCITA' MASSIMA—Speed Max RPM | 6500 rpm |
| PRESSIONE DI ESERCIZIO—Operating pressure | 2.320,6 Psi (160 bar) |
| <u>VIBRAZIONI E SUONO—Vibration and Sound</u> | |
| LIVELLO DI VIBRAZIONE—Vibrtrion level (misurato durante iol taglio con barra da 15" e catena reverse 225B—cheked during cutting with 15" bar and chain RV 225B) | A=5,65 M/S ² |
| SUONO PERCEPITO DISTANZA 1 m —Sound pressure @1m (misurato durante iol taglio con barra da 15" e catena reverse 225B—cheked during cutting with 15" bar and chain RV 225B) | 88dba |
| <u>OLIO IDRAULICO RACCOMANDATO—Recommended Hydraulic Oil</u> | |
| VISCOSITA' - Viscosity | 140-225 SUS @100°F (28-45cSt a 38°C) 40 min. SUS @210°F (8 min.cSt a 99°C) |
| PUNTUNTO DI INCENDIO—flash Point | 340°F (170°C) |
| PUNTO DI CONGELAMENTO—Pour Point | -30°F (-34°C) |
| MOLTI TIPI DI OLIO IDRAULICO SONO DISPONIBILI SUL MERCATO TRAMITE I LOCALI DISTRIBUTORI. COME FABBRICANTI DELLA MACCHINA SUGGERIAMO INDICATO. I TIPI DI OLIO IDRAULICI SONO TANTI PER ESSERE INDICATI IN QUESTO MANUALE —Many types of compatible hydraulic oil are available through your local dealer/distributor. As an original equipment manufacturer, we suggest the indicated one. Hydraulic oil types are too numerous to list in this manual. | GRADE ISO VG 32 Hydraulic turbine oil |

MITO Hydraulic Model A5M001 Spare Part View (1)

PART 1

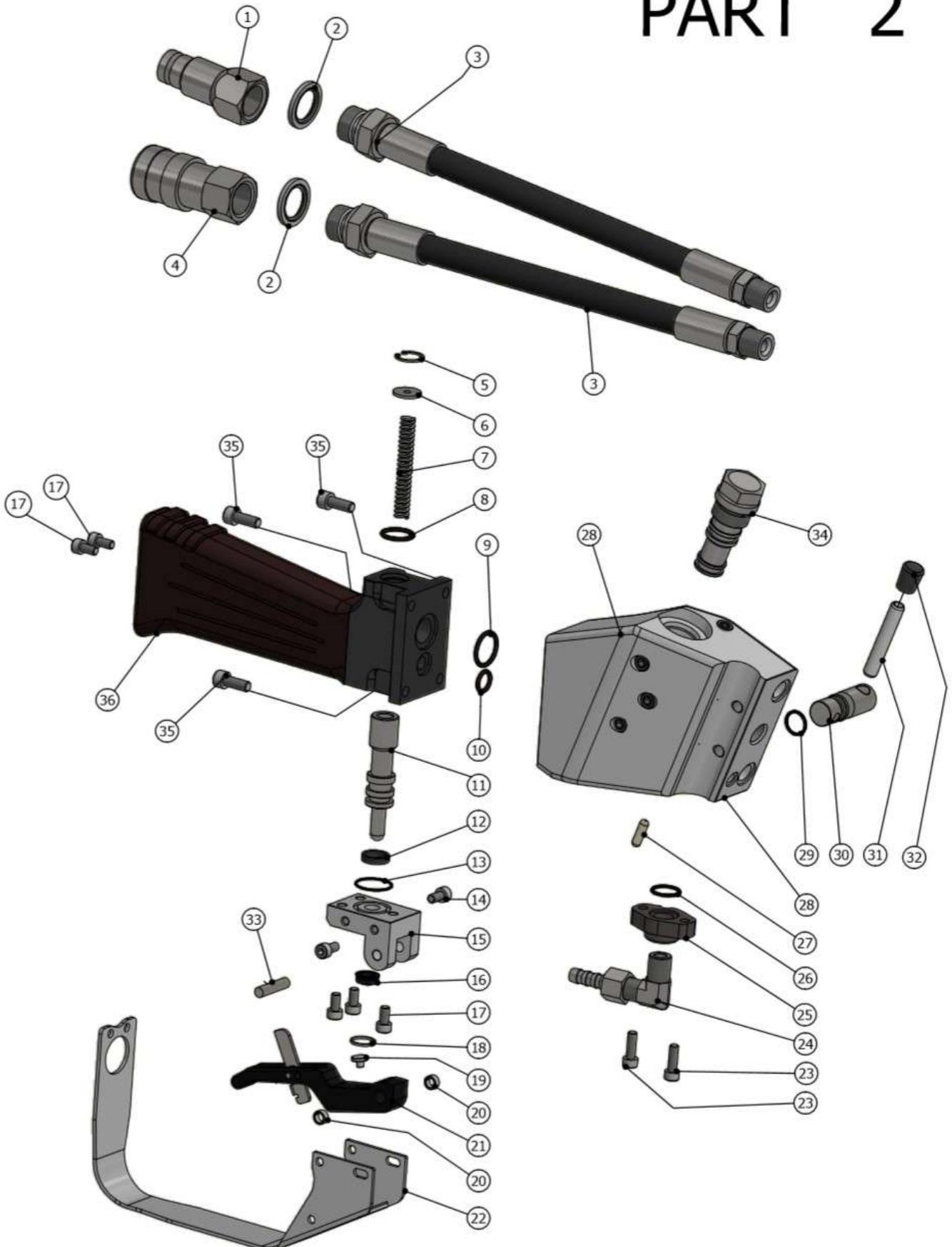


MITO Hydraulics Assembly Model A5M001 Spare parts list (1)

| PARTE 1 | | | PART LIST Reference exploded view May 2019 revision 0 | |  |
|----------|----------|-------------------------------|---|------------------------|---|
| POSITION | QUANTITY | DESCRIZIONE | DESCRIPTION | CODICE DOA DOA CODE | |
| 1 | 1 | CORPO PORTA MOTORE | MOTOR BODY | D711015 | |
| 2 | 1 | CORPO INTERMEDIO | CENTRAL BODY | D721243 | |
| 3 | 1 | GUARNIZIONE | GASKET | A651230 | |
| 4 | 1 | SEEGER | SEEGER | A501026 | |
| 5 | 1 | ALBERINO | SHAFT | D701611 | |
| 6 | 1 | CUSCINETTO | BEARING | A611045 | |
| 7 | 1 | SEEGER | SEEGER | A501025 | |
| 8 | 1 | DISTANZIALE CUSCINETTO | BEARING SPACER | D701354 | |
| 9 | 1 | CONTROFACCIA TENUTA MECCANICA | MECHANICS SEALING FACING | D701353 | |
| 10 | 1 | O-RING | O-RING | A651229 | |
| 11 | 1 | TENUTA MECCNICA | MECHANICS SEALING | D701352 | |
| 12 | 1 | O-RING | O-RING | A651120 | |
| 13 | 1 | RONDELLA | WASHER | D701368 | |
| 14 | 1 | MOLLA | SPRING | D501039 | |
| 15 | 1 | SEEGER | SEEGER | A501024 | |
| 16 | 1 | BOCCOLA | BUSHING | A611050 | |
| 17 | 1 | SEEGER | SEEGER | A501028 | |
| 18 | 4 | SPINA RIFERIMENTO | DRIVE PIN | D701358 | |
| 19 | 4 | O-RING | O-RING | A651221 | |
| 20 | 1 | ASSIEME ROTORI 6CC | GEROTORS ASSY | D921009 | |
| 21 | 1 | RULLO TRASCINAMENTO | KEY | A611044 | |
| 22 | 3 | O-RING | O-RING | A651112 | |
| 23 | 1 | CUSCINETTO A RULLI | NIDDLE BEARING | A611046 | |
| 24 | 1 | COPERCHIO MOTORE | MOTOR CUP | D711014 | |
| 25 | 6 | VITE | SCREW | A621271 | |
| 26 | 2 | SPINA | DOWEL PIN | A631041 | |
| 27 | 1 | O-RING | O-RING | A651221 | |
| 28 | 2 | VITE | SCREW | A621273 | |

MITO Hydraulics Assembly Model A5M001 Spare parts View (2)

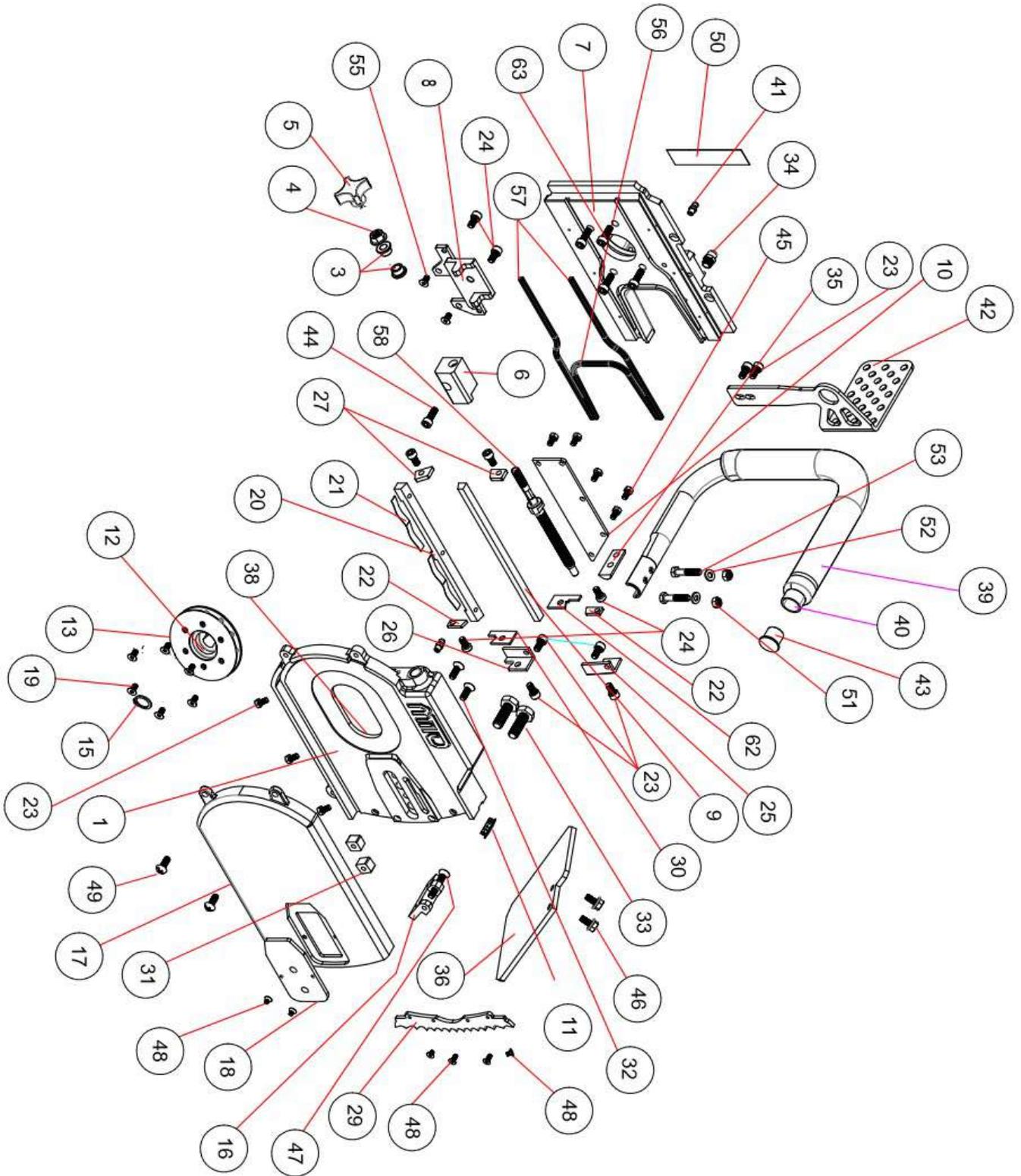
PART 2



MITO Hydraulics Assembly Model A5M001 Spare parts list (2)

| PARTE 2 | | | PART LIST Reference exploded view May 2019 revision 0 | |  |
|----------|----------|---------------------------|---|------------------------|---|
| POSITION | QUANTITY | DESCRIZIONE | DESCRIPTION | CODICE DOA DOA CODE | |
| 1 | 1 | INNESTO RAPIDO MASCHIO | MALE QUICK RELEASE COUPLING | A161026 | |
| 2 | 2 | RONDELLA DI TENUTA | SEAL WASHER | A651200 | |
| 3 | 2 | ASSIEME TUBO | HOSE ASSY | D151028 | |
| 4 | 1 | INNESTO RAPIDO FEMMINA | FEMALE QUICK RELEASE CUPLING | A161025 | |
| 5 | 1 | SEEGER | SEEGER | A501015 | |
| 6 | 1 | DISTANZIALE | SPACER | D401793 | |
| 7 | 1 | MOLLA | SPRING | D501044 | |
| 8 | 1 | O-RING | O-RING | A651306 | |
| 9 | 1 | O-RING | O-RING | A651053 | |
| 10 | 1 | O-RING | O-RING | A651066 | |
| 11 | 1 | SPOOL ON-OFF | SPOOL ON-OFF | D701469 | |
| 12 | 1 | O-RING | O-RING | A651305 | |
| 13 | 1 | O-RING | O-RING | A651075 | |
| 14 | 2 | VITE | SCREW | A621127 | |
| 15 | 1 | FORCELLA | FORK | D721235 | |
| 16 | 1 | GUARNIZIONE | SEAL | A651315 | |
| 17 | 5 | VITE | SCREW | A621127 | |
| 18 | 1 | SEEGER | SEEGER | A501034 | |
| 19 | 1 | PASTIGLIA DI CONTATTO | TAPPET | D701244 | |
| 20 | 2 | BOCCOLA | BUSHING | A611028 | |
| 21 | 1 | LEVA ON-OFF | ON-OFF LEVER | D921217 | |
| 22 | 1 | PROTEZIONE | GUARD | D401252 | |
| 23 | 2 | VITE | SCREW | A621150 | |
| 24 | 1 | RACCORDO PORTA GOMMA | ELBOW COUPLING | D901157 | |
| 25 | 1 | FLANGIA ATTACCO ACQUA | WATER FLANGE CLAMP | D711018 | |
| 26 | 1 | O-RING | O-RING | A651075 | |
| 27 | 1 | SPINA | DOWEL PIN | A631042 | |
| 28 | 1 | BLOCCO VALVOLE | MAIN FOLD | D711017 | |
| 29 | 1 | O-RING | O-RING | A651272 | |
| 30 | 1 | RUBINETTO ACQUA | WATER TAP | D701365 | |
| 31 | 1 | SPINA ELASTICA | SPRING PPIN | A631043 | |
| 32 | 1 | PUNTALE LEVA | KNOB | A301047 | |
| 33 | 1 | SPINA | PIN | A631030 | |
| 34 | 1 | VALVOLA PORTATA | FLOW VALVE | D131001 | |
| 35 | 4 | VITE | SCREW | A621002 | |
| 36 | 1 | IMPUGNTURA GOMMATA | HANDLE | D721234 | |

MITO Hydraulic QT Model A5M001 Spare Part View

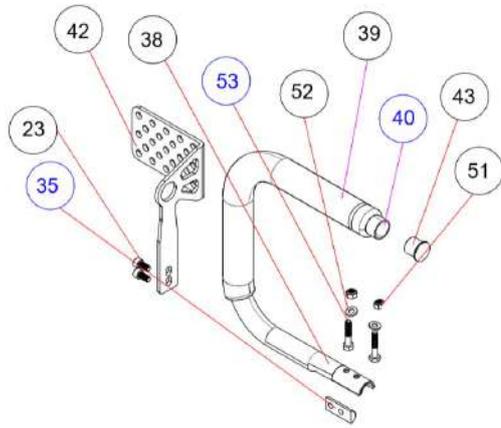


MITO Hydraulics QT Model A5M001 Spare Parts list

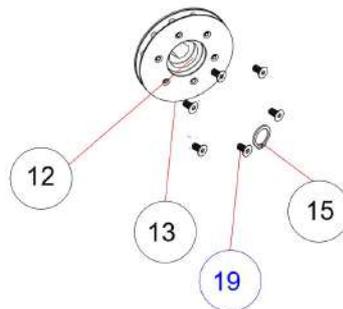
| MITO QTH 10-12 GPM CODE | A5M001 | | |
|-------------------------|-----------|---------------------------------------|------|
| ITEM NO. | Part n° | DESCRIPTION | QTY. |
| 1 | A3M001003 | Main body - Bar Holder | 1 |
| 2 | A5M001075 | DOA MOTOR PART ASSEMBLED 10-12 GPM | 1 |
| 3 | A3M004020 | Main screw Brass bushing | 2 |
| 4 | A3M004021 | M8 Flanged nut | 1 |
| 5 | A3M004022 | M8 Threaded Knob | 1 |
| 6 | A3M004005 | QT Barrel, bronze | 1 |
| 7 | A4M001001 | Base Support - Motor Plate | 1 |
| 8 | A3M004001 | Nut Bracket (New Pennon) | 1 |
| 9 | A3M001002 | Upper bronze slide | 1 |
| 10 | A3M001005 | Main Screw Box Cover | 1 |
| 11 | A3M004023 | Metal Round Plug for pannel | 1 |
| 12 | A3M004013 | Sprocket Body 1543 QTHU Z12 | 1 |
| 13 | A3M004014 | Dia 82 mm Sprocket Flange M4 Screws | 1 |
| 14 | A3M004024 | M4x10 FHCS | 6 |
| 15 | A3M004025 | Seeger 0.588" grove D.09"Od clearance | 1 |
| 16 | A3M001044 | Bracket Mood Flap | 1 |
| 17 | A3M001004 | Main side Cover | 1 |
| 18 | A3M001033 | Bar Clamp Flange (cover) | 1 |
| 19 | A3M001056 | M4X10 FHCS | 6 |
| 20 | A3M001021 | Lower bronze Rail | 1 |
| 21 | A3M004027 | Wave Spring 1 mm th...mm | 2 |
| 22 | A3M004003 | Front Bronze bar stopper | 2 |
| 23 | A3M001070 | M6x10 SHCS | 7 |
| 24 | A3M004029 | M6x12 LSHCS | 4 |
| 25 | A3M004002 | Upper Front Seal Locker | 1 |
| 26 | A3M004006 | Lower Front Seal Locker | 1 |
| 27 | A3M004004 | Back Bronze slide stopper | 2 |
| 29 | A3M004008 | Tiger Grip | 1 |
| 30 | A3M004009 | Front Lower back scraper | 1 |
| 31 | A3M001032 | Bar Holder BLOCK | 2 |
| 32 | A3M004030 | M6x22 SHCS | 2 |
| 33 | A3M004031 | M10x30 exa. Cup screw | 2 |
| 34 | A3M004032 | Water Connection Plug | 1 |
| 35 | A3M001042 | Handle screw bushing | 1 |
| 38 | A3M004047 | OR MAINBODY BAR HOLDER | 1 |
| 36 | A3M001045 | Mud Flap | 1 |
| 39 | A3M004010 | Yellow pipe corrugated cover | 1 |
| 40 | A3M001046 | Handle | 1 |
| 41 | A3M001037 | Grease nipple M6x1 | 2 |
| 42 | A3M001041 | Handle Link Guitar + protection | 1 |
| 43 | A3M004007 | Rubber Cup Handle OD 22, ID 19 | 1 |
| 44 | A3M001071 | M6x15 SHCS | 1 |
| 45 | A3M004036 | M5x10 HHCS | 5 |
| 46 | A3M004037 | M6x12 FHHCS | 2 |
| 47 | A3M004038 | M6x35 FHCS | 1 |
| 48 | A3M004039 | M4X6 FHCS | 2 |
| 49 | A3M004040 | M6x16 HHCS | 2 |
| 51 | A3M004041 | M6 locknut | 2 |
| 52 | A3M004042 | M6 washer | 2 |
| 53 | A3M004039 | M6x30 HECS | 2 |
| 54 | A3M004043 | M4X6 FHCS | 2 |
| 55 | A3M004044 | M5x10 FHCS | 2 |
| 56 | A3M004045 | OR Cord C shaped front | 1 |
| 57 | A3M004046 | OR Cord shaped T.B. | 2 |
| 58 | A3M001010 | Main sciew | 1 |
| 62 | A3M004011 | Front Upper back scraper | 1 |
| 63 | A4M004080 | M8x30 FHCS | 4 |

MITO Hydraulics Model A5M001 Spare Part Preassembled

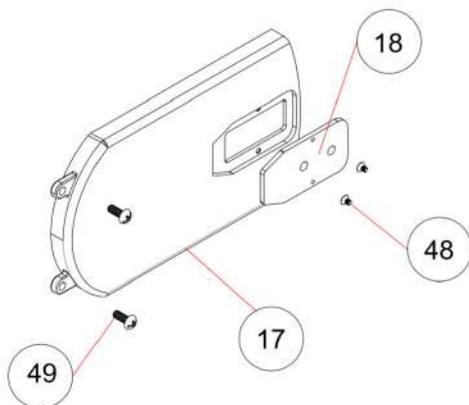
A3S004001 - Handle



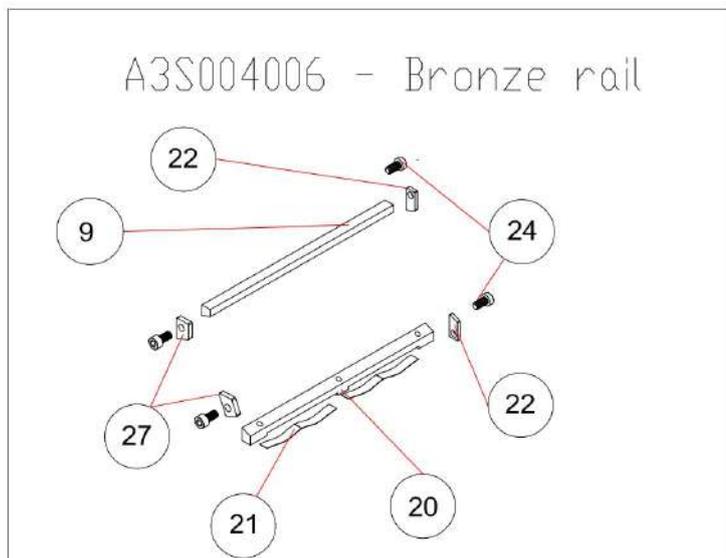
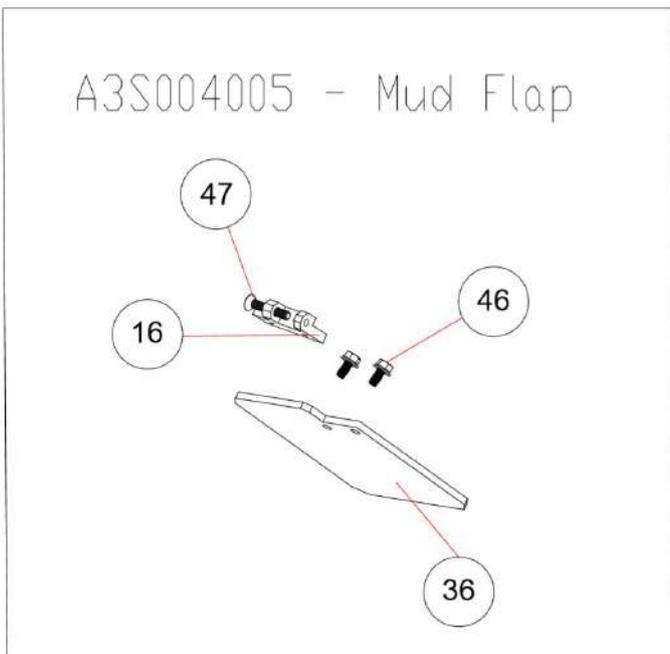
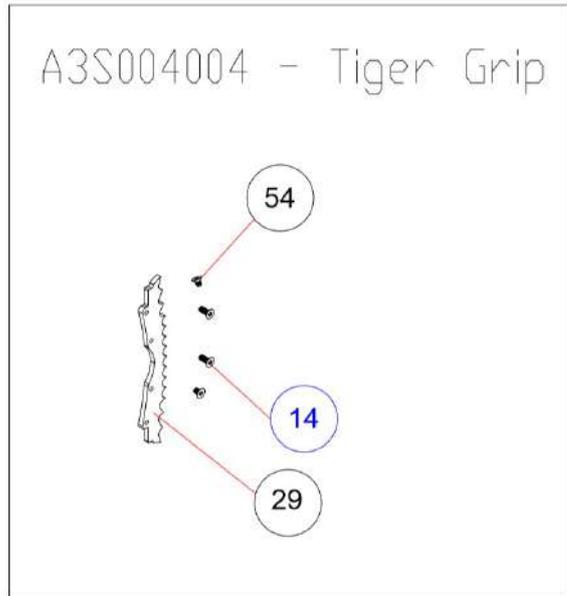
A3S004002 - Sprocket Z12



A3S004003 - Main Side Cover

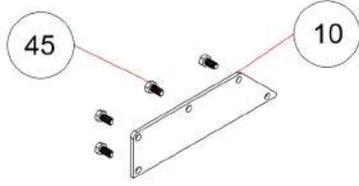


MITO Hydraulics Model A5M001 Spare Part Preassembled

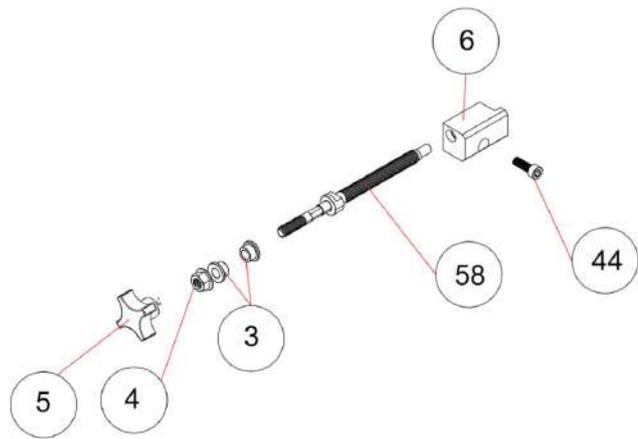


MITO Hydraulics Model A5M001 Spare Part Preassembled

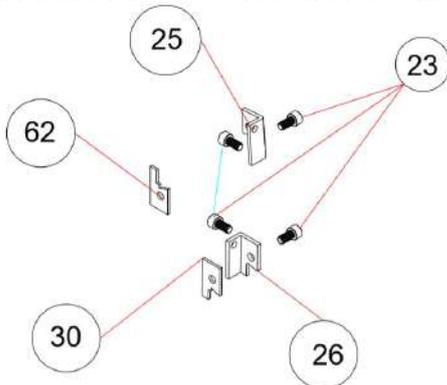
A3S004007 - Main Screw Bar Cover



A3S004008 - Main Screw



A3S004009 - Front Scraper



MITO Hydraulics Model A5M001 Spare Part Preassembled

PART ASSEMBLED

| A3S004001 Handle | | | |
|------------------|-----------|---------------------------------|------|
| ITEM NO. | Part n° | DESCRIPTION | QTY. |
| 23 | A3M001070 | M6x10 SHCS | 7 |
| 35 | A3M001042 | Handle screw bushing | 1 |
| 39 | A3M004010 | Yellow pipe corrugated cover | 1 |
| 40 | A3M001046 | Handle | 1 |
| 42 | A3M001041 | Handle Link Guitar + protection | 1 |
| 43 | A3M004007 | Rubber Cup Handle OD 22, ID 19 | 1 |
| 51 | A3M004041 | M6 locknut | 2 |
| 52 | A3M004042 | M6 X 12 STEEL washer | 2 |
| 53 | A3M004039 | M6x30 HHCS | 2 |

| A3S004002 Sprocket Z12 | | | |
|------------------------|-----------|-----------------------------|------|
| ITEM NO. | Part n° | DESCRIPTION | QTY. |
| 12 | A3M004013 | Sprocket Body 1543 QTHU Z12 | 1 |
| 13 | A3M004014 | Dia 82 mm Sprocket Flange | 1 |
| 15 | A3M004025 | Seeger 0.588" grove D.09" | 1 |
| 19 | A3M001056 | M4 x 10 SHCS | 6 |

| A3S004003 Main side Cover | | | |
|---------------------------|-----------|--------------------------|------|
| ITEM NO. | Part n° | DESCRIPTION | QTY. |
| 17 | A3M001004 | Main side Cover | 1 |
| 18 | A3M001033 | Bar Clamp Flange (cover) | 1 |
| 48 | A3M004039 | M4X6 FHCS | 2 |
| 49 | A3M004040 | M6x16 SHCS | 2 |

| A3S004004 TIGER GRIP | | | |
|----------------------|-----------|-------------|------|
| ITEM NO. | Part n° | DESCRIPTION | QTY. |
| 14 | A3M004024 | M4x6 FHCS | 6 |
| 29 | A3M004008 | Tiger Grip | 1 |
| 54 | A3M004043 | M4X6 FHCS | 2 |

| A3S004005 Mud Flap | | | |
|--------------------|-----------|------------------|------|
| ITEM NO. | Part n° | DESCRIPTION | QTY. |
| 16 | A3M001044 | Bracket Mud Flap | 1 |
| 36 | A3M001045 | Mud Flap | 1 |
| 46 | A3M004037 | M6x12 FHHCS | 2 |
| 47 | A3M004038 | M6x35 FHCS | 1 |

| A3S004006 Bronze Rail | | | |
|-----------------------|-----------|---------------------------|------|
| ITEM NO. | Part n° | DESCRIPTION | QTY. |
| 9 | A3M001002 | Upper bronze slide | 1 |
| 20 | A3M001021 | Lower bronze Rail | 1 |
| 21 | A3M004027 | Wave Spring 1 mm th...mm | 2 |
| 22 | A3M004003 | Front Bronze bar stopper | 2 |
| 24 | A3M004029 | M6x12 LSHCS | 4 |
| 27 | A3M004004 | Back Bronze slide stopper | 2 |

| A3S004007 Mainscrew Bar Cover | | | |
|-------------------------------|-----------|----------------------|------|
| ITEM NO. | Part n° | DESCRIPTION | QTY. |
| 10 | A3M001005 | Main Screw Box Cover | 1 |
| 45 | A3M004036 | M5x10 HHCS | 5 |

| A3S004008 Main Screw | | | |
|----------------------|-----------|--------------------------|------|
| ITEM NO. | Part n° | DESCRIPTION | QTY. |
| 3 | A3M004020 | Main screw Brass bushing | 2 |
| 4 | A3M004021 | M8 Flanged nut | 1 |
| 5 | A3M004022 | M8 Threaded Knob | 1 |
| 6 | A3M004005 | QT Barrel, bronze | 1 |
| 44 | A3M001071 | M6x15 SHCS | 1 |
| 58 | A3M001010 | Main scw | 1 |

| A3S004009 Front Scraper | | | |
|-------------------------|-----------|--------------------------|------|
| ITEM NO. | Part n° | DESCRIPTION | QTY. |
| 23 | A3M001070 | M6x10 SHCS | 4 |
| 25 | A3M004002 | Upper Front Seal Locker | 1 |
| 26 | A3M004006 | Lower Front Seal Locker | 1 |
| 30 | A3M004009 | Front Lower back scraper | 1 |
| 62 | A3M004011 | Front Upper back scraper | 1 |