COOPER Power Tools

**Parts Manual • Ersatzteil–Liste**

**PL30-1211** December 12, 2006

DOTCO®

*45-8214*

# 12L11.. & 12S11.. Series .3 hp ERGO Straight Extended Grinders




| 12 | L | 1 | 1 | 00 | - | 36 | 08 | OH |
|---|---|---|---|---|---|---|---|---|

**Product Classification**
**12 =** Ergo Grinder/Sander

**Throttle Type**
**L =** Locking Lever
**S =** Locking Lever

**Motor Size**
**1 =** 0.3 Horsepower

**Handle Style**
**1 =** Straight, Extended

**Speed Options (RPM)**

| 3" Extended | | 5" Extended | |
|---|---|---|---|
| **Front Exhaust** | **Rear Exhaust** | **Front Exhaust** | **Rear Exhaust** |
| **00 =** 28,000 | **80 =** 28,000 | **01 =** 28,000 | **81 =** 28,000 |
| **11 =** 25,000 | | **12 =** 25,000 | |

**Overhose Option (extra cost)**
**OH =** Overhose (Rear Exhaust only)

**Optional Collet (no extra cost)**
**08 =** 1/8" Collet
**14 =** 7/32" Collet
**M6 =** 6mm Collet

**Termination Code**
**36 =** 300 series, 1/4" capacity collet (3 piece)

***IMPORTANT: Read and comply with all safety and operating instructions.***

**For additional product information visit our website at www.cooperpowertools.com**

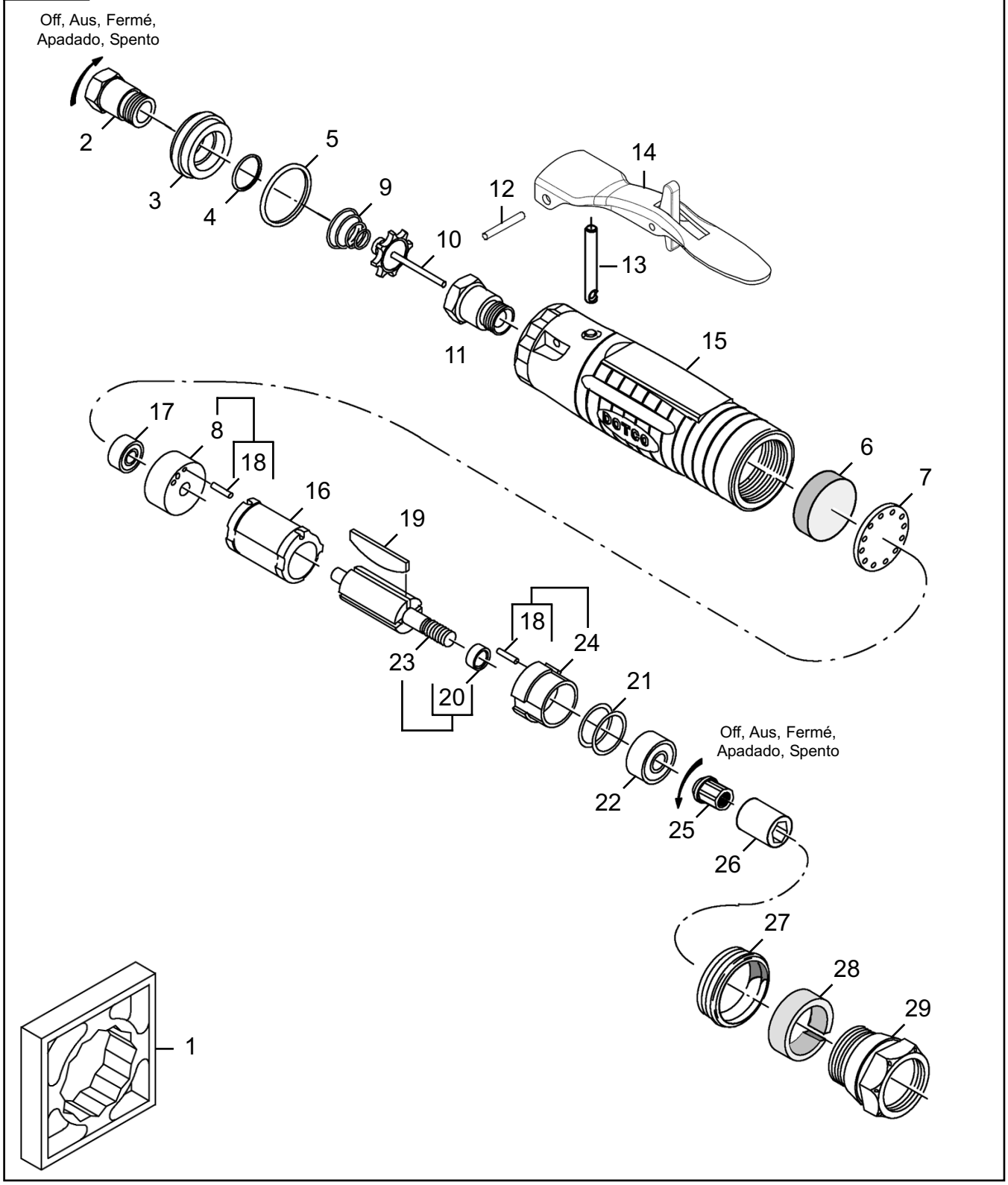
**Cooper Power Tools**
P.O. Box 1410
Lexington, SC 29071-1410

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## 12-11 Series ERGO .3 hp Extended Grinders

**"A"**

### Front Exhaust



# 12-11 Series ERGO .3 hp Extended Grinders

### Illustration "A" - Front Exhaust

| Ref. | Number | # | ● | Kit | EN | DE | FR | ES | IT |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Description | Benennung | Designation | Description | Descrizione |
| 1 | 14-0851 | 1 | | | Housing Wrench | Schraubenschlüssel | Clé plate | La llave | La chiave |
| 2 | 01-2505 | 1 | | K1 | Inlet Adapter | Zwischenstück | Adaptateur | Adaptador | Adattatore |
| 3 | 01-2506 | 1 | | K1 | Exhaust Plug | Buchse | Bouchon | Tapón | Spina |
| 4 | 2965 | 1 | ● | K1 | O-Ring | O-Ring | Joint torique | Anillo “O” | Anello ad O |
| 5 | 3036 | 1 | ● | K1 | O-Ring | O-Ring | Joint torique | Anillo “O” | Anello ad O |
| 6 | 01-1046 | 1 | ● | K1 | Filter Disc | Platte | Plaque | Placa | Piattello |
| 7 | 01-1016 | 1 | | K1 | Filter Retainer | Haltevorrichtung | Bague d’arrêt | Retén | Fermo |
| 8 | 1003 | 1 | | | Rear Plate | Hintere Platte | Plaque arrière | Placa posterior | Piattello posteriore |
| 9 | 01-2519 | 1 | | K2 | Valve Spring | Druckfeder | Ressort | Resorte | Molla |
| 10 | 01-2518 | 1 | | K2 | Valve | Ventil | Soupape | Válvula | Valvola |
| 11 | 01-2504 | 1 | | K2 | Valve Seat | Ventilsitz | Siège de soupape | Asiento de la válvula | Sede valvola |
| 12 | 1042 | 1 | | K2 | Lever Pin | Stift | Goupille cylindrique | Pasador | Spina |
| 13 | 01-1017 | 1 | | K2 | Push Rod | Stange | Tige | Varilla | Asta |
| 14 | 01-1267 | 1 | | K2 | Lock-Off Lever Asm | Hebel | Levier | Palanca | Leva |
| 15 | 01-1091 | 1 | | | Motor Housing | Gehäuse | Corps | Caja | Corpo |
| 16 | 1002 | 1 | | | Cylinder | Zylinder | Cylindre | Cilindro | Cilindro |
| 17 | 504 | 1 | | K3 | Ball Bearing | Kugellager | Roulement à billes | Cojinete de bolas | Cuscinetto a sfera |
| 18 | 1041 | 2 | | K3 | Pin | Stift | Goupille cylindrique | Pasador | Spina |
| 19 | Table A* | 4 | | K3 | Rotor Blade | Rotorblatt | Palette | Alabe del rotor | Paletta del rotore |
| 20 | 1017 | 1 | | K3 | Spacer | Distanzstück | Entretoise | Espaciador | Distanziale |
| 21 | 1355 | 1 | | K3 | Shim Packet | Unterlegstück | Cale pelable | Calzo | Spessore |
| 22 | 538 | 1 | | K3 | Ball Bearing | Kugellager | Roulement à billes | Cojinete de bolas | Cuscinetto a sfera |
| 23 | 1005 | 1 | | | Rotor | Rotor | Rotor | El rotor | Il rotore |
| 24 | 1064 | 1 | | | Front Plate | Vorderplatte | Plaque de devanture | Placa frontal | Piattello anteriore |
| 25 | 1708 | 1 | | | Coupling Nut | Mutter | Ecrou | Tuerca | Dado |
| 26 | 1711 | 1 | | | Coupling | Kupplung | Couplage | Acoplamiento | Accoppiamento |
| 27 | 01-1054 | 1 | | K4 | Lock Ring Sleeve | Hülse | Douille | Manguito | Manicotto |
| 28 | 01-1021 | 1 | | K1 | Muffler Felt | Schalldämpferfilz | Feutre de silencieux | Fieltro del silenciador | Feltro del silenziatore |
| 29 | 01-1049 | 1 | | K4 | Lock Ring | Verschlußring | Bague de verrouillage | Anillo de cierre | Anello di bloccaggio |
| **Not Shown** | | | | | | | | | |
| -- | 14-0807 | 1 | | | 7/16" Wrench | Schraubenschlüssel | Clé plate | La llave | La chiave |
| -- | 14-0811 | 1 | | | 11/16" Wrench | Schraubenschlüssel | Clé plate | La llave | La chiave |
| **Repair Kits:** | | | | | | | | | |
| K1 | 04-0144 | 1 | | | Air Inlet Kit | Satz | Ensemble | Juego | Corredo |
| K2 | 04-0143 | 1 | | | Throttle Kit | Satz | Ensemble | Juego | Corredo |
| K3 | Table A | 1 | | | Motor Kit | Satz | Ensemble | Juego | Corredo |
| K4 | 04-0145 | 1 | | | Housing Kit | Satz | Ensemble | Juego | Corredo |
| * | Table A | 1 | | | Rotor Blade Kit | Satz | Ensemble | Juego | Corredo |

(#) Quantity / Stückzahl / Quantité / Cantidad / Quantità

**Table "A"**

| Ref. | Description | Double Reduction Gearing | | | | | | Single Reduction Gearing | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Qty. | 12-1088 | Qty. | 12-1089 | Qty. | 12-1090 | Qty. | 12-1092 | Qty. | 12-1093 |
| 2 | Inlet Adapter (w/o OH) | 1 | 01-2505 | 1 | 01-2505 | 1 | 01-2505 | 1 | 01-2505 | 1 | 01-2505 |
| | Inlet Adapter (w/ OH) | 1 | 01-1031 | 1 | 01-1031 | 1 | 01-1031 | 1 | 01-1031 | 1 | 01-1031 |
| 24 | Rotor | 1 | 2912 | 1 | 2912 | 1 | 1959 | 1 | 2912 | 1 | 1959 |
| 29 | Planet Carrier | 1 | 1918 | 1 | 1917 | 1 | 1917 | | -- | | -- |
| 30 | Planet Gear | 2 | 1536 (18T) | 2 | 1536 (18T) | 2 | 1540 (16T) | 2 | 1536 (18T) | 2 | 1540 (16T) |
| 35 | Planet Gear | 2 | 1536 (18T) | 2 | 1540 (16T) | 2 | 1540 (16T) | | -- | | -- |
| K1 | Air Inlet Kit (w/o OH) | 1 | 04-0081 | 1 | 04-0081 | 1 | 04-0081 | 1 | 04-0081 | 1 | 04-0081 |
| | Air Inlet Kit (w/ OH) | 1 | 04-0082 | 1 | 04-0082 | 1 | 04-0082 | 1 | 04-0082 | 1 | 04-0082 |
| ● | Tune Up Kit (w/o OH) | 1 | 04-0215 | 1 | 04-0215 | 1 | 04-0215 | 1 | 04-0215 | 1 | 04-0215 |
| | Tune Up Kit (w/ OH) | 1 | 04-0217 | 1 | 04-0217 | 1 | 04-0217 | 1 | 04-0217 | 1 | 04-0217 |

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## 12-11 Series ERGO .3 hp Extended Grinders

**"B"**

### Front Exhaust

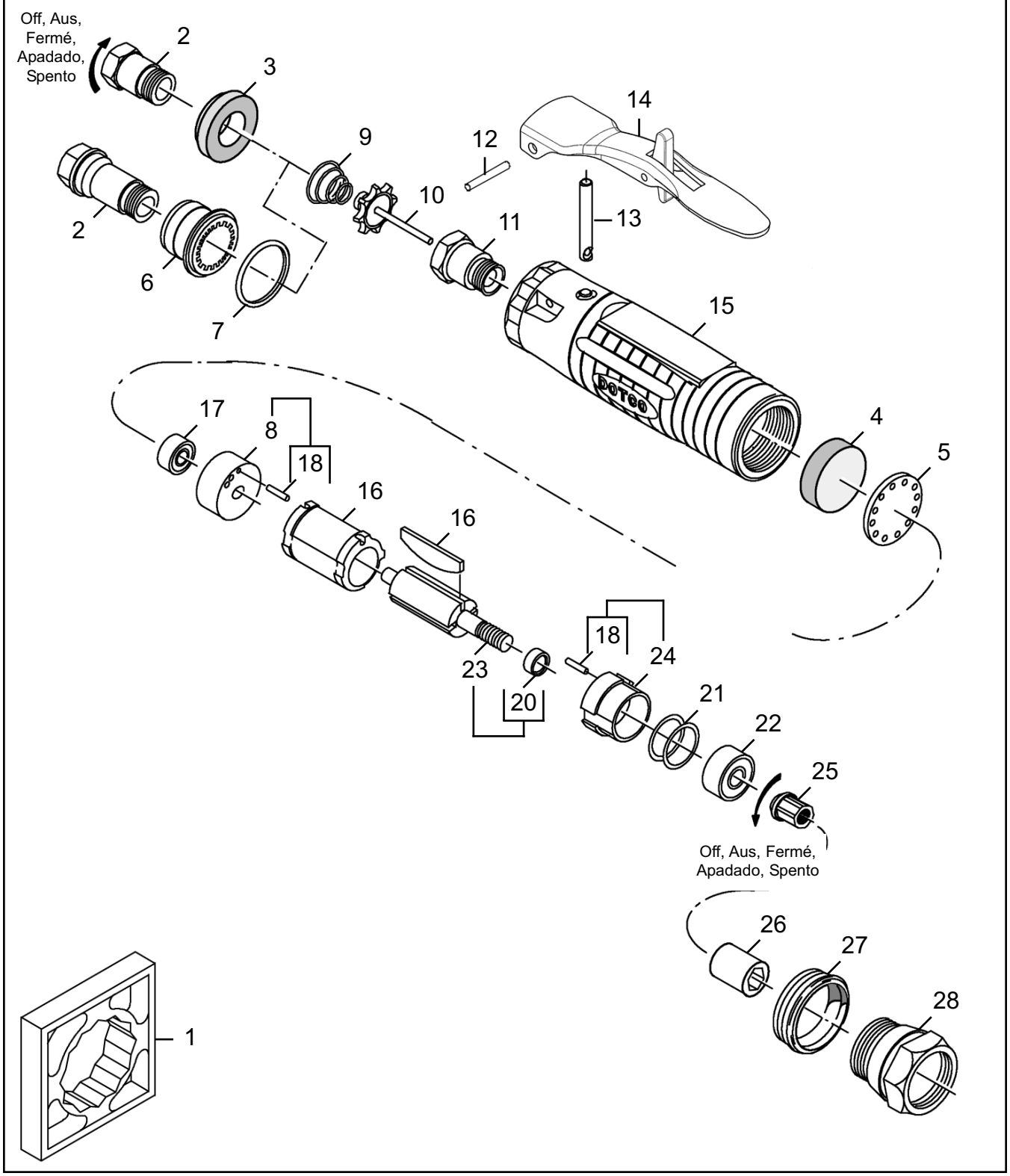


**Illustration "B" - Rear Exhaust**

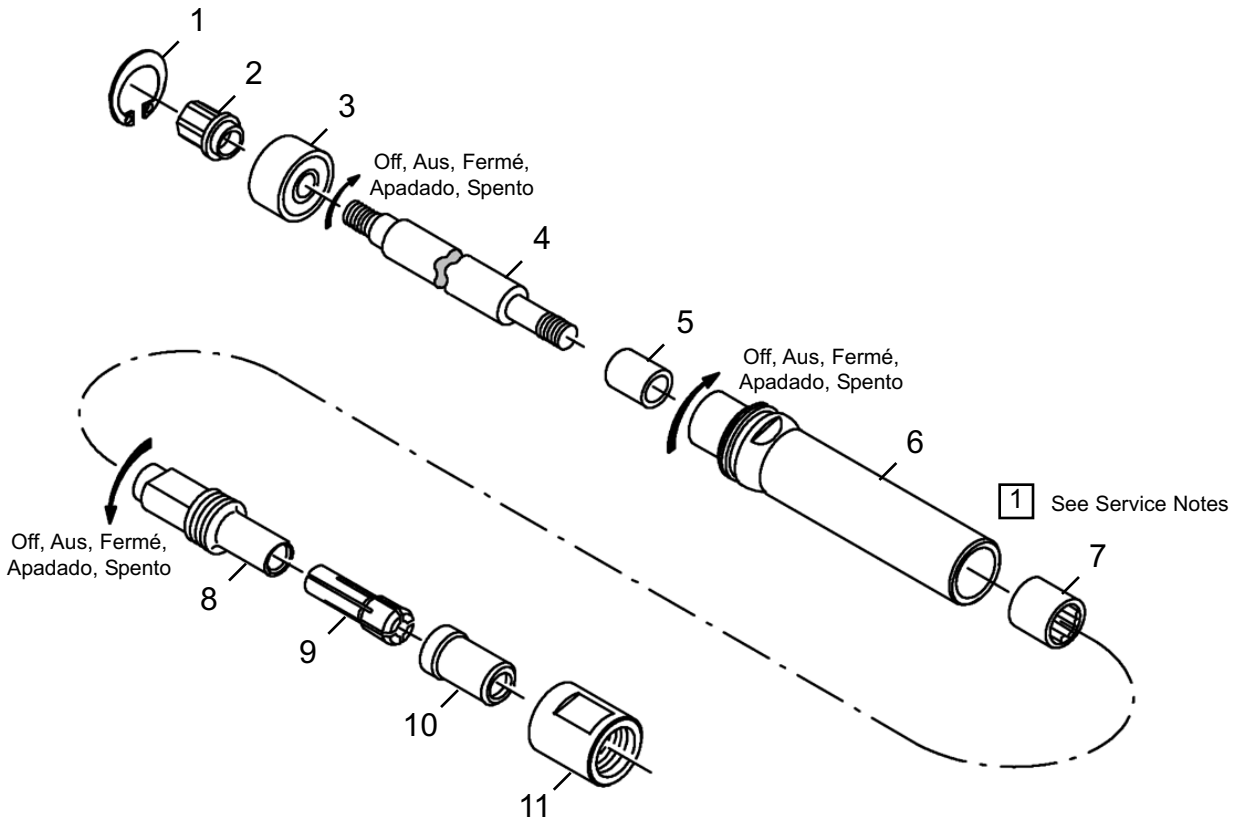
| Ref. | Number | # | ● | Kit | EN | DE | FR | ES | IT |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Description | Benennung | Designation | Description | Descrizione |
| 1 | 14-0851 | 1 | | | Housing Wrench | Schraubenschlüssel | Clé plate | La llave | La chiave |
| 2 | 01-2505 | 1 | | K5 | Inlet Adapter (w/o OH) | Zwischenstück | Adaptateur | Adaptador | Adattatore |
| | 01-1031 | 1 | | K5 | Inlet Adapter (w/ OH) | Zwischenstück | Adaptateur | Adaptador | Adattatore |
| 3 | 01-2520 | 1 | | K5 | Diffuser | Diffuser | Diffuseur | Diffuseur | Diffusore |
| 4 | 01-1046 | 1 | | K5 | Filter Disc | Platte | Plaque | Placa | Piattello |
| 5 | 01-1016 | 1 | | K5 | Filter Retainer | Haltevorrichtung | Bague d'arrêt | Retén | Fermo |
| 6 | 01-1032 | 1 | | K5 | Muffler | Schalldämpfer | Silencieux | Silenciador | Silenziatore |
| 7 | 3036 | 1 | | K5 | O-Ring | O-Ring | Joint torique | Anillo "O" | Anello ad O |
| 8 | 1003 | 1 | | | Rear Plate | Hintere Platte | Plaque arrière | Placa posterior | Piattello posteriore |
| 9 | 01-2519 | 1 | | K2 | Valve Spring | Druckfeder | Ressort | Resorte | Molla |
| 10 | 01-2518 | 1 | | K2 | Valve | Ventil | Soupape | Válvula | Valvola |
| 11 | 01-2504 | 1 | | K2 | Valve Seat | Ventilsitz | Siège de soupape | Asiento de la válvula | Sede valvola |
| 12 | 1042 | 1 | | K2 | Lever Pin | Stift | Goupille cylindrique | Pasador | Spina |
| 13 | 01-1017 | 1 | | K2 | Push Rod | Stange | Tige | Varilla | Asta |
| 14 | 01-1267 | 1 | | K2 | Lock-Off Lever Asm | Hebel | Levier | Palanca | Leva |
| 15 | 01-1091 | 1 | | | Motor Housing | Gehäuse | Corps | Caja | Corpo |
| 16 | 1002 | 1 | | | Cylinder | Zylinder | Cylindre | Cilindro | Cilindro |
| 17 | 504 | 1 | | K3 | Ball Bearing | Kugellager | Roulement à billes | Cojinete de bolas | Cuscinetto a sfera |
| 18 | 1041 | 2 | | K3 | Pin | Stift | Goupille cylindrique | Pasador | Spina |
| 19 | 1006 * | 4 | | K3 | Rotor Blade | Rotorblatt | Palette | Alabe del rotor | Paletta del rotore |
| 20 | 1017 | 1 | | K3 | Spacer | Distanzstück | Entretoise | Espaciador | Distanziale |
| 21 | 1355 | 1 | | K3 | Shim Packet | Unterlegstück | Cale pelable | Calzo | Spessore |
| 22 | 538 | 1 | | K3 | Ball Bearing | Kugellager | Roulement à billes | Cojinete de bolas | Cuscinetto a sfera |
| 23 | 1005 | 1 | | | Rotor | Rotor | Rotor | El rotor | Il rotore |
| 24 | 1064 | 1 | | | Front Plate | Vorderplatte | Plaque de devanture | Placa frontal | Piattello anteriore |
| 25 | 1708 | 1 | | | Coupling Nut | Mutter | Ecrou | Tuerca | Dado |
| 26 | 1711 | 1 | | | Coupling | Kupplung | Couplage | Acoplamiento | Accoppiamento |
| 27 | 01-1054 | 1 | | K6 | Lock Ring Sleeve | Hülse | Douille | Manguito | Manicotto |
| 28 | 01-1044 | 1 | | K6 | Lock Ring | Verschlußring | Bague de verrouillage | Anillo de cierre | Anello di bloccaggio |
| **Not Shown** | | | | | | | | | |
| -- | 14-0807 | 1 | | | 7/16" Wrench | Schraubenschlüssel | Clé plate | La llave | La chiave |
| -- | 14-0811 | 1 | | | 11/16" Wrench | Schraubenschlüssel | Clé plate | La llave | La chiave |
| **Repair Kits:** | | | | | | | | | |
| K2 | 04-0143 | 1 | | | Throttle Kit | Satz | Ensemble | Juego | Corredo |
| K3 | 04-0042 | 1 | | | Motor Kit | Satz | Ensemble | Juego | Corredo |
| K5 | 04-0140 | 1 | | | Air Inlet Kit (w/o OH) | Satz | Ensemble | Juego | Corredo |
| | 04-0141 | 1 | | | Air Inlet Kit (w/ OH) | Satz | Ensemble | Juego | Corredo |
| K6 | 04-0146 | 1 | | | Housing Kit | Satz | Ensemble | Juego | Corredo |
| * | 04-0031 | 1 | | | Rotor Blade Kit | Satz | Ensemble | Juego | Corredo |

(#) Quantity / Stückzahl / Quantité / Cantidad / Quantità

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## 12-11 Series ERGO .3 hp Extended Grinders

**"C"**

### 3" & 5" Extensions




1 Service Notes: Press replacement bearing 1/4" below end of Spindle Housing.

### Illustration "C" - Extended Spindle

| Ref. | Number | # | ● | Kit | EN | DE | FR | ES | IT |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Description | Benennung | Designation | Description | Descrizione |
| 1 | 1098 | 1 | | K7 | Retaining Ring | Sicherungsring | Anneau de fixation | Anillo de retención | Anello di fissaggio |
| 2 | 1707 | 1 | | | Coupling Nut | Mutter | Ecrou | Tuerca | Dado |
| 3 | 505 | 1 | | K7 | Ball Bearing | Kugellager | Roulement à billes | Cojinete de bolas | Cuscinetto a sfera |
| 4 | 1748 | 1 | | | Spindle (3" Extended) | Spindel | Arbre | Husillo | Mandrino |
| | 1561 | 1 | | | Spindle (5" Extended) | Spindel | Arbre | Husillo | Mandrino |
| 5 | 1562 | 1 | | | Sleeve | Hülse | Douille | Manguito | Manicotto |
| 6 | 6128 | 1 | | | Housing (3" Extended) | Gehäuse | Corps | Caja | Corpo |
| | 6129 | 1 | | | Housing (5" Extended) | Gehäuse | Corps | Caja | Corpo |
| 7 | 1514 | 1 | | K7 | Needle Bearing | Nadellager | Cage à aiguilles | Cojinete de agujas | Cuscinetto a rulli |
| 8 | 1054 | 1 | | | Chuck Body | Futter Körper | Corps de trou | Bote el Cuerpo | Il Corpo di ciottolo |
| 9 | 308 | 1 | | | Collet (1/4") | Futter | Douille de serrage | Boquilla | Bussola di chiusura |
| 10 | 1053 | 1 | | K7 | Nosepiece | Kopfstück | Tuyère | Tobera | Naso |
| 11 | 1058 | 1 | | K7 | Collet Chuck Cap | Kappe | Chapeau | Tapa | Cappello |
| **Repair Kits:** | | | | | | | | | |
| K7 | 04-0051 | 1 | | | Output Kit | Satz | Ensemble | Juego | Corredo |

(#) Quantity / Stückzahl / Quantité / Cantidad / Quantità

COOPER Power Tools

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