

NEUMATICS TOOLS

CONSTRUYENDO CONTIGO



MANUAL S8F3 DE MINERÍA Y REFACCIONES.

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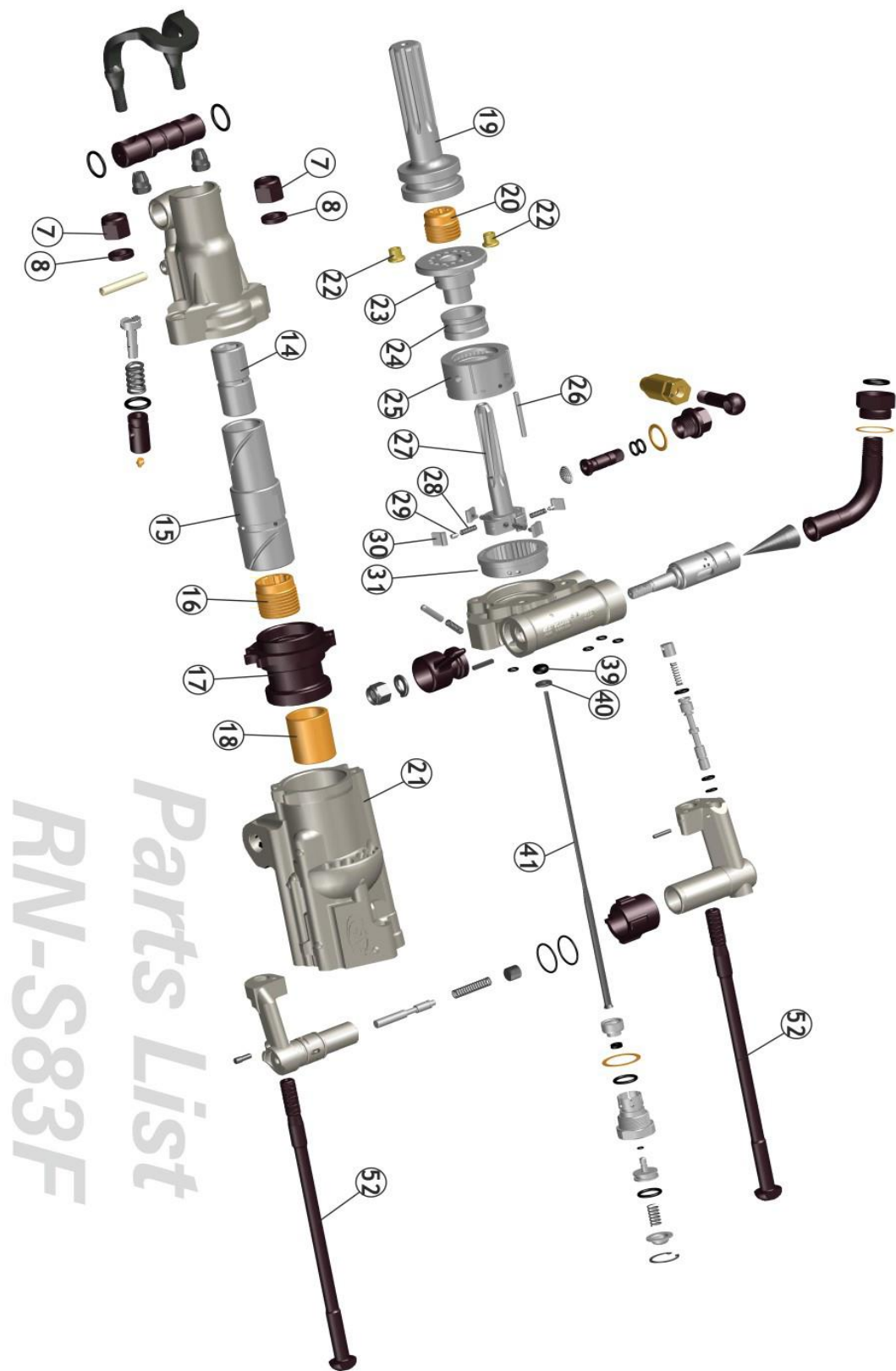
Manual de Partes ***Perforadora Neumática*** ***RN-S83F*** ***Spare Parts Manual***

| <i>Características / Specifications</i> | | <i>Standard</i> | <i>Métrico</i> |
|--|---------------------|------------------------|-----------------------|
| Diámetro de Pistón | Piston Diameter | 3 in. | 76 mm |
| Carrera de Pistón | Piston Stroke | 2.5 in. | 64 mm |
| Energía de Impacto | Impact Energy | 59 ft-lbs | 80 Nm |
| Frecuencia de Impacto | Impact Frequency | 2,500 p/m | 36.8 Hz |
| Potencia (80 PSI) | Power (80 PSI) | 130.2 ft-lb/min | 2.94 Kw |
| Consumo de aire | Air Consumption | 110 cfm | 51.9 its/sec |
| Torque | Torque | 70 lb-ft | 94.5 Nm |
| Peso Perforadora | Drill Weight | 70.4 lbs | 32 Kg |
| Peso Empujador | Fed Leg Weight | 40.48 lbs | 18.4 Kg |
| Peso total | Total Weigth | 110.88 lbs | 50.4 Kg |
| Longitud de Perforadora | Drill Length | 27 1/4 in. | 688 mm |
| Empujador - Extendido | Extended Feed Leg | 124 in. | 3,150 mm |
| Empujador - Contraído | Contracted Feed Leg | 70 in. | 1,778 mm |
| Tamaño Broquero | Chuck Liner | 7/8 x 4 1/4 in. | 22 x 108 mm |
| Manguera de aire | Air Hose | 3/4 in. | 19 mm |
| Manguera de agua | Water Hose | 1/2 in. | 13 mm |



*Perforadora Neumática
RN-S83F
Pneumatic Rock Drill*





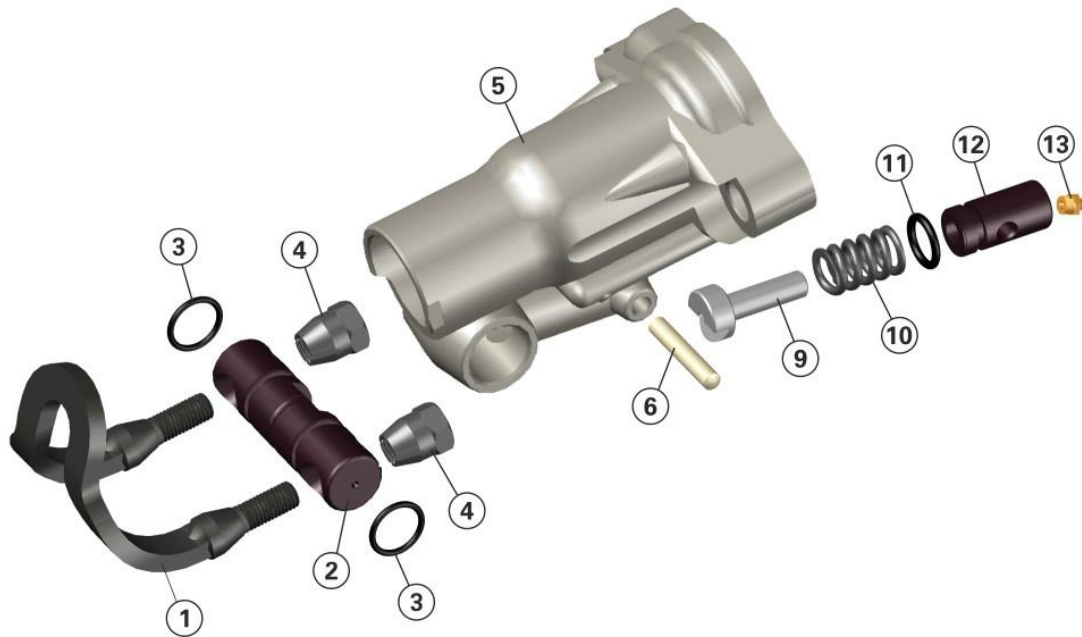
Parts List

RNP-S83F

SECTION**Lista de partes
Parts List
RN-S83F**

| <i>Item</i> | <i>Part No.</i> | <i>Qty</i> | <i>Description</i> |
|-------------|-----------------|------------|--|
| 7 | RN -S58 -3N | 2 | Tuerca de Tornillo Lateral / nut |
| 8 | RN -D73 -3S | 2 | Arandela /Spacer |
| 14 | RN -S58F -7TLB | 1 | Broquero de 7/8" / Chuck Liner 7/8" Hex. |
| 15 | RN -S58F -7DA | 1 | Portabroquero / Chuck Driver |
| 16 | RN -S63F -7N | 1 | Tuerca Chuck / Chuck Nut |
| 17 | RN -S83F -1B | 1 | Parte Intermedia / Cylinder Bushing |
| 18 | RN -S53F -1L | 1 | Buje Amortiguador Bronce / Liner |
| 19 | RN -S83F -9A | 1 | Pistón / Hammer |
| 20 | RN -S83F -2528 | 1 | Tuerca Rifle / Rifle Nut |
| 21 | RN -S83F -1T | 1 | Cilindro / Cylinder |
| 22 | RN -1S83F -715H | 2 | Empaque / Seal |
| 23 | RN -S83F -15B | 1 | Tapa de Válvula / Valve Plug |
| 24 | RN -S83F -16 | 1 | Válvula Automática / Automatic Valve |
| 25 | RN -S83F -15 | 1 | Caja de Válvula / Valve Chest |
| 26 | RN -S83F -15D | 1 | Perno para Válvula / Dowel Pin |
| 27 | RN -S83F -2628 | 1 | Barra de Rotación / Rifle Bar |
| 28 | RN -7-11C | 4 | Resorte para Aleta / Pawl Spring |
| 29 | RN -7-11B | 4 | Perno para Aleta / Pawl Pin |
| 30 | RN -R91-11A | 4 | Aleta / Pawl |
| 31 | RN -S83F-3335 | 1 | Trinquete (Cremallera) / Ratchet Ring |
| 39 | RN -7-29B | 1 | Empaque del Tubo de Agua / Water tube gasket |
| 40 | RN-1739-A | 1 | Rondana del Tubo de Agua / Washer |
| 41 | RN -S63F -27B | 1 | Tubo de Agua / water tube |
| 52 | RN -S83F -3D | 2 | Tornillo Lateral / Side Rod |

| <i>Item</i> | <i>Part No.</i> | <i>Qty</i> | <i>Description</i> |
|-------------|--------------------------|------------|---|
| 1 | RN -S53F -36A | 1 | Freno 7/8" hexagonal / Steel Puller 7/8" hex. |
| 2 | RN -S53F -36TA | 1 | Ensamble Trunnion / Trunnion |
| 3 | RN -ORP -214B | 2 | O'Ring (Anillo) |
| 4 | RN -S53F -36N | 2 | Tuerca del Freno / Nut |
| 5 | RN -S58F -17FC (1040906) | 1 | Trompa / Chuck End |
| 6 | RN -S58F -36K (1053943) | 1 | Perno (Pasador) / Pin |
| 9 | RN -S53F -36P (1036703) | 1 | Perno Guía del Resorte / Detent |
| 10 | RN -S58F -36N | 1 | Resorte Sujetador / Spring |
| 11 | RN -ORP -210B | 1 | O'Ring (Anillo) |
| 12 | RN -S58F -36RA (1053971) | 1 | Candado / Retainer |
| 13 | RN -Z1 | 1 | Grasera / Grease Fitting |

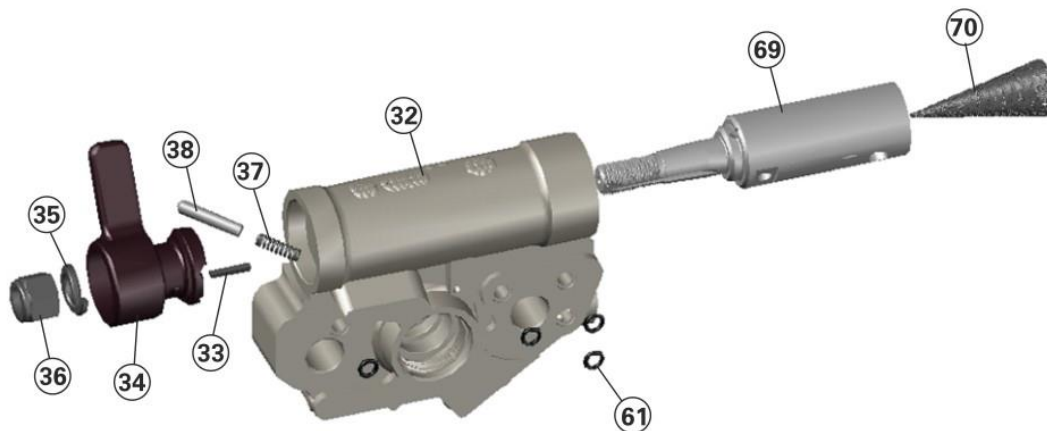


SECTION

2

Ensamble Cabeza Backhead Assembly S63F-2X

| <i>Item</i> | <i>Part No.</i> | <i>Qty</i> | <i>Description</i> |
|-------------|-----------------|------------|--|
| 32 | RN-S63F-2 | 1 | Cabeza / Backhead |
| 33 | RN-S58F-12K | 1 | Cuña de Manija / Key |
| 34 | RN-S58F-12E | 1 | Manija de Control / Throttle Handle |
| 35 | RN-WP-31 | 1 | Rondana de Presión / Washer |
| 36 | RN-S48F-12N | 1 | Tuerca / Nut |
| 37 | RN-72-ES | 1 | Resorte / Spring |
| 38 | RN-7-2A | 1 | Perno de Posición (Reten) / Detent Plunger |
| 61 | RN-OR-6 | 4 | O'Ring (Anillo) |
| 69 | RN-S83F-12BM | 1 | Válvula de Estrangulación / Throttle Valve |
| 70 | RN-2062234 | 1 | Filtro / Screen |

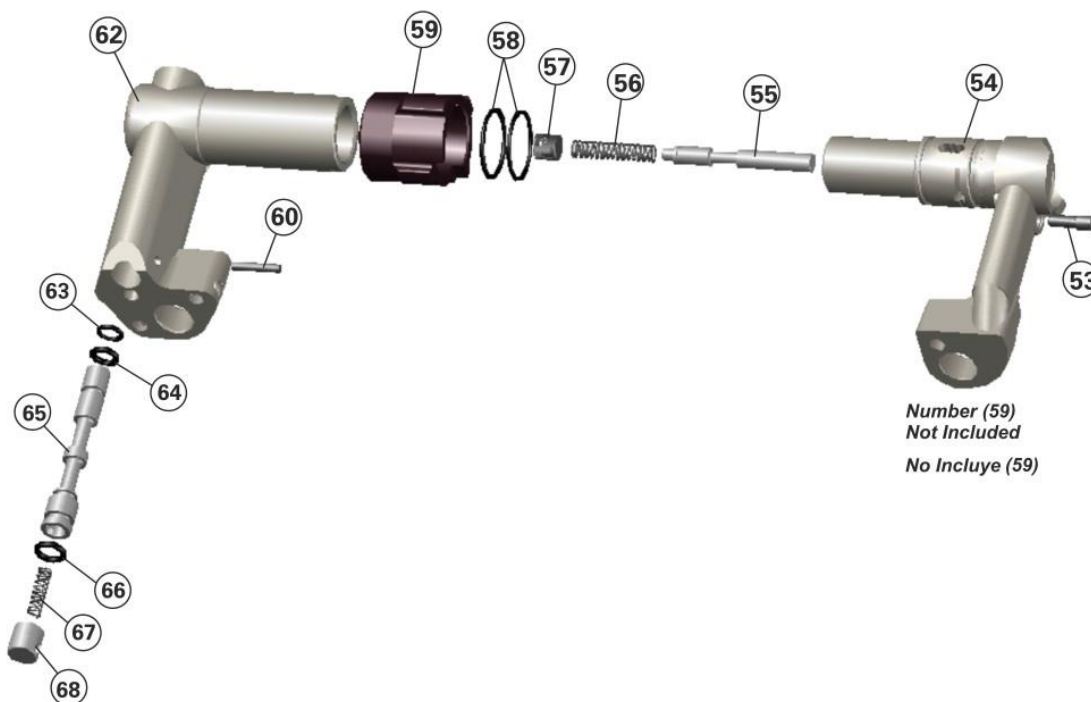


SECTION

3

Ensamble Maneral Handle Assembly S83F-114ABX, S83F-112ABX

| Item | Part No. | Qty | Description |
|------|------------------------|-----|------------------------------------|
| 53 | RN-S83F-113 (ERP-9) | 1 | Perno de maneral / Pin |
| 54 | RN-S83F-112AB | 1 | Maneral Izquierdo / Handle |
| 55 | RN-S83F-116C | 1 | Válvula de Control / Control Valve |
| 56 | RN-S83F-117 | 1 | Resorte / Spring |
| 57 | RN-PP2A | 1 | Tornillo (Tapón Allen) / Plug |
| 58 | RN-ORP-116A | 2 | O´Ring (Anillo) |
| 59 | RN-S83F-215H (1053440) | 1 | Manija de Aceleración / Knob |
| 60 | RN-ERP6 | 1 | Perno Espiral / Pin |
| 62 | RN-S83F-114AB | 1 | Maneral Derecho / Handle |
| 63 | RN-OR-7 | 1 | O´Ring (Anillo) |
| 64 | RN-CL5324P | 1 | O´Ring (Anillo) |
| 65 | RN-S83F-118B | 1 | Válvula de Control / Control Valve |
| 66 | RN-OR-9 | 1 | O´Ring (Anillo) |
| 67 | RN-S83F-119B | 1 | Resorte / Spring |
| 68 | RN-S83F-120 | 1 | Tapón (Reten) / Plug |

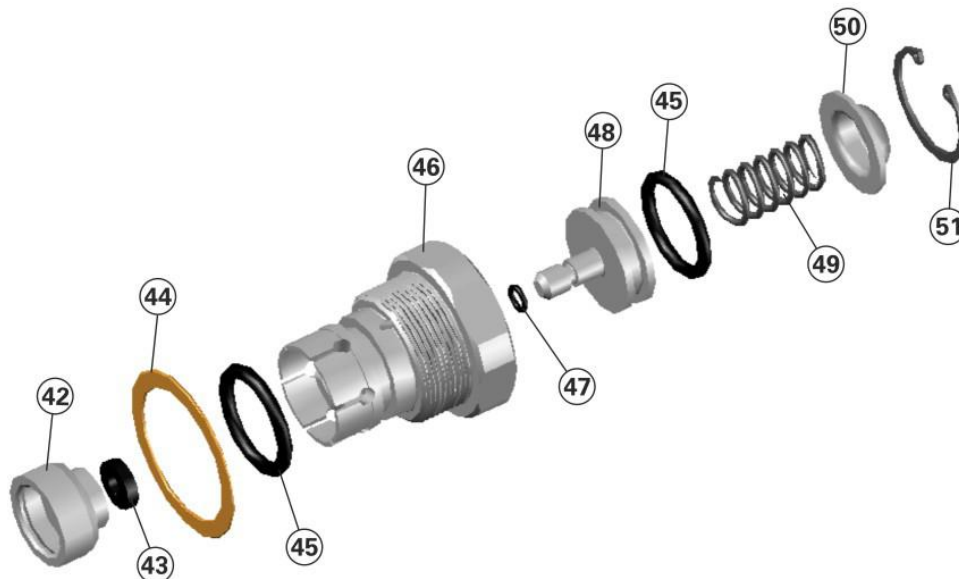


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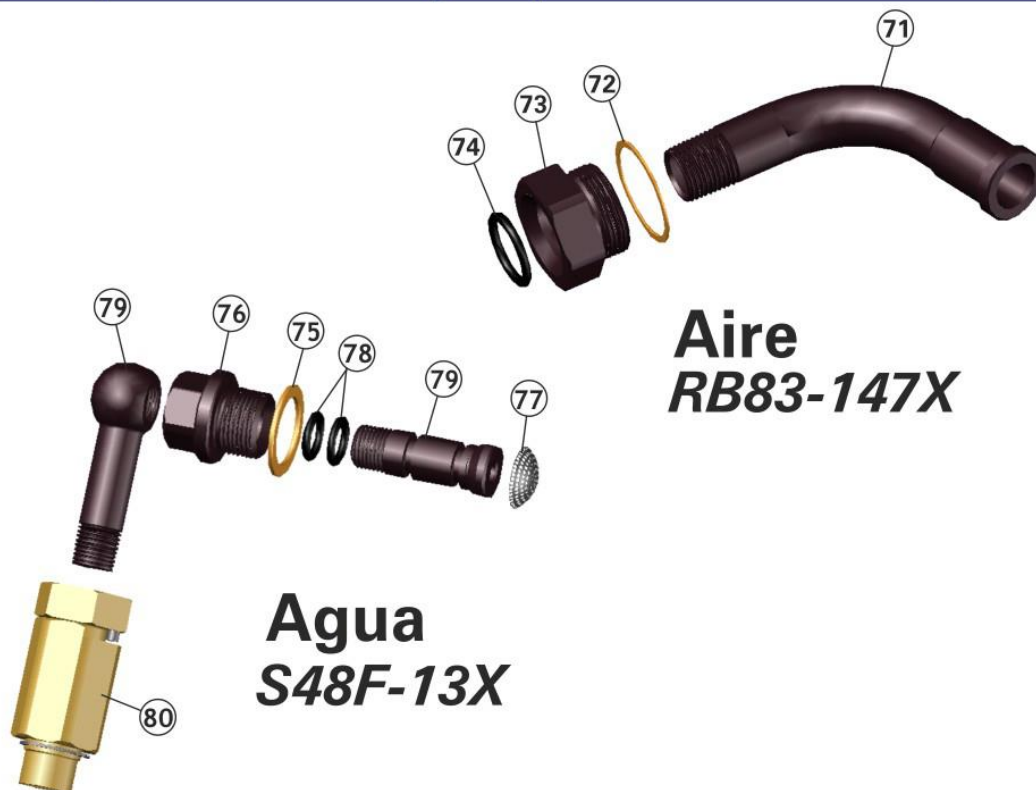
4

Ensamble Glándula Water Gland Assembly D83N-40X

| Item | Part No. | Qty | Description |
|------|------------|-----|------------------------------------|
| 42 | RN-D83N-44 | 1 | Tapón (Reten Asiento) / Retainer |
| 43 | RN-D83N-45 | 1 | Asiento de la Válvula / Valve Seat |
| 44 | RN-D83-40 | 1 | Rondana (Arandela) / Gasket |
| 45 | RN-OR-18 | 2 | O ´ Ring (Anillo) |
| 46 | RN-D83N-40 | 1 | Glándula / Water Gland |
| 47 | RN-OR-3 | 1 | O ´ Ring (Anillo) |
| 48 | RN-D83N-41 | 1 | Válvula / Piston |
| 49 | RN-D83N-43 | 1 | Resorte / Spring |
| 50 | RN-D83N-42 | 1 | Tapa (Reten p/Resorte) / Retainer |
| 51 | RN-TRR5 | 1 | Candado / Retaining Ring |



| <i>Item</i> | <i>Part No.</i> | <i>Qty</i> | <i>Description</i> |
|-------------|-------------------------|------------|---------------------------------------|
| 71 | RN -RB83 -147 (1031946) | 1 | Tubo de Aire (Codo Aire) / Air Tube |
| 72 | RN -D73H -146W | 1 | Rondana / Washer |
| 73 | RN -RB83 -146 | 1 | Tuerca del Codo de Aire / Nut |
| 74 | RN -OR21 | 1 | O´Ring (Anillo) |
| 75 | RN -S48F -1W | 1 | Rondana (Arandela) / Washer |
| 76 | RN -S48 -13E | 1 | Tuerca del Codo de Agua / Swivel Spud |
| 77 | RN -S48 -13S | 1 | Filtro / Screen |
| 78 | RN -OR10 | 2 | O´Ring (Anillo) |
| 79 | RN -S48F -13T | 1 | Codo de Agua (Conexión) / Water Stem |
| 80 | RN -760 | 1 | Válvula / Water Valve |



No incluye
válvula (80)

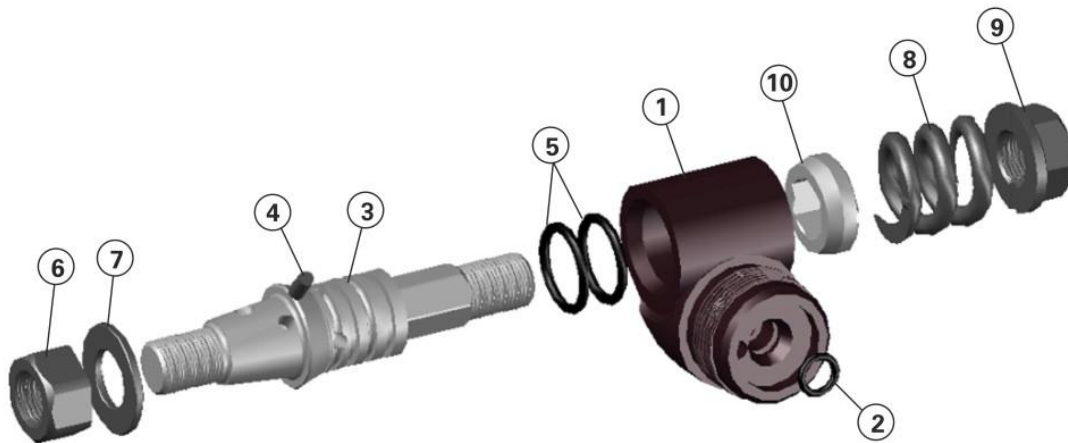
Number (80)
Not Included

SECTION

6

**Ensamble Swivel
Swivel Assembly
FL7-90X**

| <i>Item</i> | <i>Part No.</i> | <i>Qty</i> | <i>Description</i> |
|-------------|----------------------|------------|-------------------------------|
| 1 | RN-FL7-90 | 1 | Swivel / Swivel |
| 2 | RN-OR11 | 1 | O'Ring (Anillo) |
| 3 | RN-1FL7-594, FL7-91A | 2 | Ensamble Pivote / Pivot Stud |
| 4 | RN-FL7-200 (2061318) | 1 | Boton / Pin |
| 5 | RN-OR-21 | 1 | O'Ring (Anillo) |
| 6 | RN-NH-108 (1051134) | 1 | Tuerca / Nut |
| 7 | RN-WF12 | 1 | Arandela / Washer |
| 8 | RN-FL5-97 | 1 | Resorte / Spring |
| 9 | RN-FL7-99 | 1 | Tuerca / Nut |
| 10 | RN-FL7-201 | 1 | Cono del Swivel / Swivel Cone |



SECTION

7

Empujador Feed Leg FL7

| Item | Part No. | Qty | Description |
|------|-----------------------|-----|--|
| 1 | RN-FL7-202X | 1 | EnsambleTuerca Superior / Nut assembly |
| 2 | RN-FL7-210 (1045660) | 1 | Buje / Bushing |
| 3 | RN-CL5441 | 1 | O'Ring (Anillo) |
| 4 | RN-FL7-211 | 1 | Seguro / Retainer Ring |
| 5 | RN-FL7-203 | 1 | Buje / Bushing |
| 6 | RN-FL7-29 | 1 | Tapa Superior / Cap |
| 7 | RN-FL7-21 | 1 | Tuerca / Nut |
| 8 | RN-CL5441 | 1 | O'ring (Anillo) |
| 9 | RN-FL7-206 | 1 | Anillo (Aro ranurado) / Clutch Ring |
| 10 | RN-FL7-207 | 1 | Espaciador / Spacer |
| 11 | RN-1FL7-27B | 1 | Tubo de Aire / Air Tube |
| 12 | RN-FL7-208 | 1 | Guía del Pistón Buje / Piston Head |
| 13 | RN-1R83-20D RB94-20PA | 1 | Empaque / Cup |
| 14 | RN-FL7-38A | 1 | Portaempaques / Keeper |
| 15 | RN-FL7-209 | 1 | Guía del Pistón Buje / Piston Head |
| 16 | RN-FL7-33ES | 1 | Pistón Alimentador / Feed Piston |
| 17 | RN-OR34 | 1 | O'ring (Anillo) |
| 18 | RN-FL7-31 (1029902) | 1 | Buje / Bushing |
| 19 | RN-FL7-27A | 1 | Tapa Inferior / Cap |
| 20 | RN-UCP1 | 1 | Empaque / Packing |
| 21 | RN-1029906 | 1 | Empaque / Seal |
| 22 | RN-FL7-39S | 1 | Pico de apoyo (Ensm. Punta) / Umbrella Point |
| 23 | RN-FL7-25E | 1 | Cilindro de Aluminio / Feed Cylinder |
| 24 | RN-1FL7-468 | 1 | Agarradera / Handle |
| 25 | RN-SH75 | 1 | Tornillo / Bolt |
| 26 | RN-WP10 | 1 | Rondana de Presión / Lock Washer |
| 27 | RN-NH10 | 1 | Tuerca / nut |
| 28 | RN-OR7 | 1 | O'ring (Anillo) |

*FL-43X Sub-ensamble agarradera / Handle Assembly
No. 24 - 25 - 26 - 27



Perforadora RN-S83F con Empujador No Retráctil

Variación de los siguientes componentes / Variation in the following parts

Se muestra con:

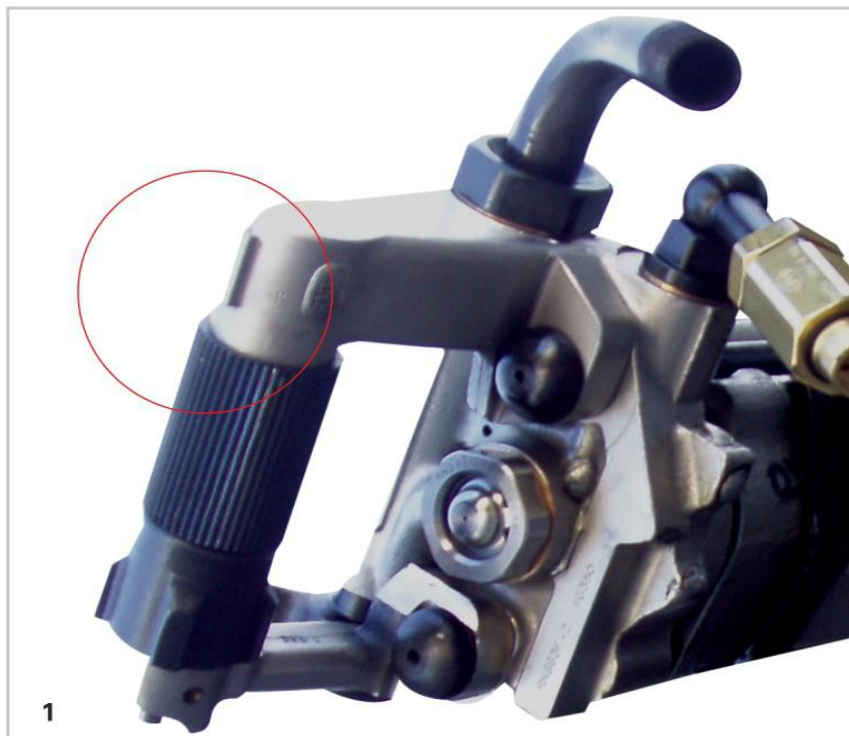
1-Maneral S63F-121

2-Empujador No Retráctil RN-FL9

The picture is shown with:

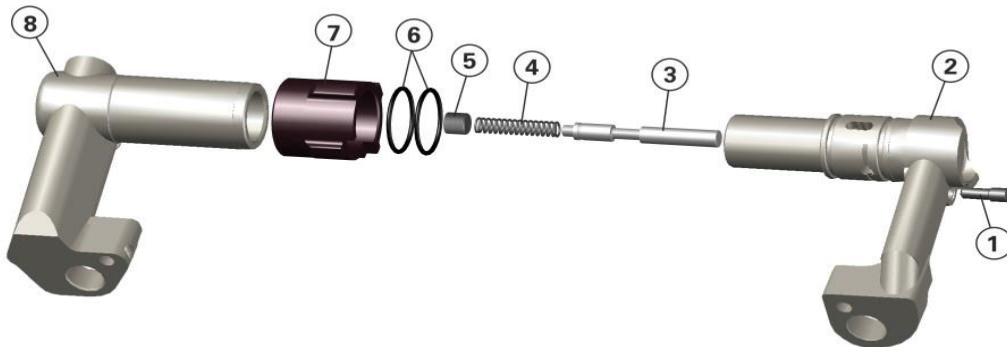
1-Holding Handle S63F-121

2-Non retractil feed leg RN-FL9



SECTION**8****Ensamble Maneral
Handle Assembly
S63F-121, S83F-112ABX**

| <i>Item</i> | <i>Part No.</i> | <i>Qty</i> | <i>Description</i> |
|-------------|--------------------------|------------|------------------------------------|
| 1 | RN -S83F -113 (ERP-9) | 1 | Perno de maneral / Pin |
| 2 | RN -S83F -112AB | 1 | Maneral Izquierdo / Handle |
| 3 | RN -S83F -116C | 1 | Válvula de Control / Control Valve |
| 4 | RN -S83F -117 | 1 | Resorte / Spring |
| 5 | RN -PP2A | 1 | Tornillo (Tapón Allen) / Plug |
| 6 | RN -ORP -116A | 2 | O ´ Ring (Anillo) |
| 7 | RN -S83F -215H (1053440) | 1 | Manija de Aceleración / Knob |
| 8 | RN -S63F -121 | 1 | Maneral Derecho / Handle |

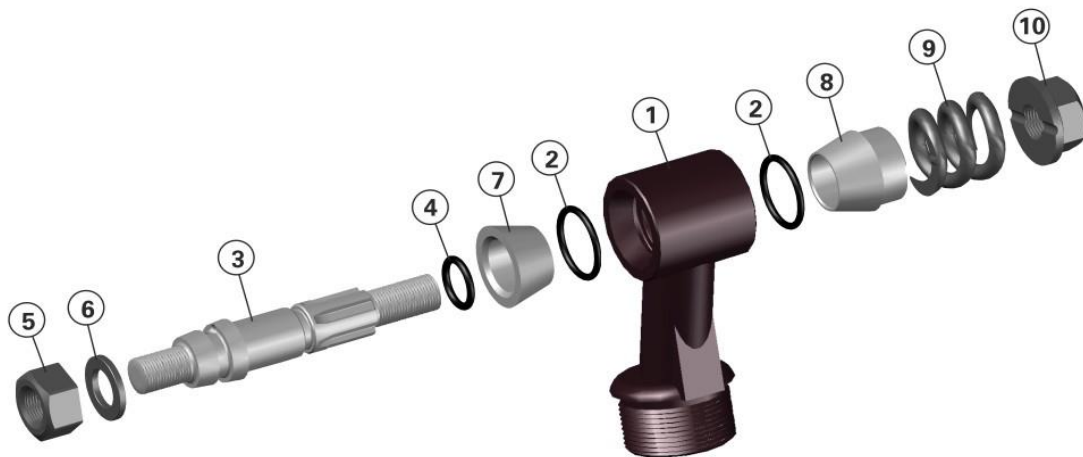


SECTION

9

**Ensamble Swivel
Swivel Assembly
FL9-90X**

| <i>Item</i> | <i>Part No.</i> | <i>Qty</i> | <i>Description</i> |
|-------------|-----------------|------------|-------------------------------|
| 1 | RN-FL9-90 | 1 | Swivel / Swivel |
| 2 | RN-OR-24 | 2 | O'Ring (Anillo) |
| 3 | RN-FL5-91 | 1 | Ensamble Pivote / Pivot Stud |
| 4 | RN-OR-15 | 1 | O'Ring (Anillo) |
| 5 | RN-NH-108 (FL9) | 1 | Tuerca / Nut |
| 6 | RN-S58-35W | 1 | Arandela / Washer |
| 7 | RN-FL9-94 | 1 | Cono del Swivel / Swivel Cone |
| 8 | RN-FL9-95 | 1 | Cono del Swivel / Swivel Cone |
| 9 | RN-FL5-97 | 1 | Resorte / Spring |
| 10 | RN-FL5-99 | 1 | Tuerca / Nut |



SECTION**10****Empujador
Feed Leg
FL9**

| <i>Item</i> | <i>Part No.</i> | <i>Qty</i> | <i>Description</i> |
|-------------|-----------------|------------|--|
| 1 | RN-FL7-202 | 1 | Tuerca Superior / Nut |
| 2 | RN-FL7-27A | 1 | Tapa Inferior / Cap |
| 3 | RN-1029906 | 1 | Empaque / Seal |
| 4 | RN-1029900 | 1 | Buje / Bushing |
| 5 | RN-FL9-33ES | 1 | Alimentador / Feed Piston |
| 6 | RN-1FL9-124 | 1 | Guía del Pistón Buje / Piston Head |
| 7 | RN-1R83-20D | 2 | Empaque / Cup |
| 8 | RN-FL9-86 | 1 | Portaempaques / Keeper |
| 9 | RN-FL9-38 | 1 | Guía del Pistón Buje / Piston Head |
| 10 | 1047864 | 1 | Rondana / Washer |
| 11 | RN-FL5-21 | 1 | Tuerca / Nut |
| 12 | RN-FL9-27 | 1 | Tapa Inferior / Cap |
| 13 | RN-FL7-39S | 1 | Pico de apoyo (Ensm. Punta) / Umbrella Point |
| 14 | RN-FL9-25E | 1 | Cilindro de Aluminio / Feed Cylinder |
| 15 | RN-1FL7-468 | 1 | Agarradera / Handle |
| 16 | RN-SH75 | 1 | Tornillo / Bolt |
| 17 | RN-WP10 | 1 | Rondana de Presión / Lock Washer |
| 18 | RN-NH10 | 1 | Tuerca / nut |

***FL7-43X** Sub-ensamble agarradera / Handle Assembly
No. 15 - 16 - 17 -18

