

Parts Manual
45-8025
PL30-1027-1
04/21/2011

OMEGA TECHNOLOGIES

DOTCO®

10-27 Series
Right Angle Grinders & Sanders

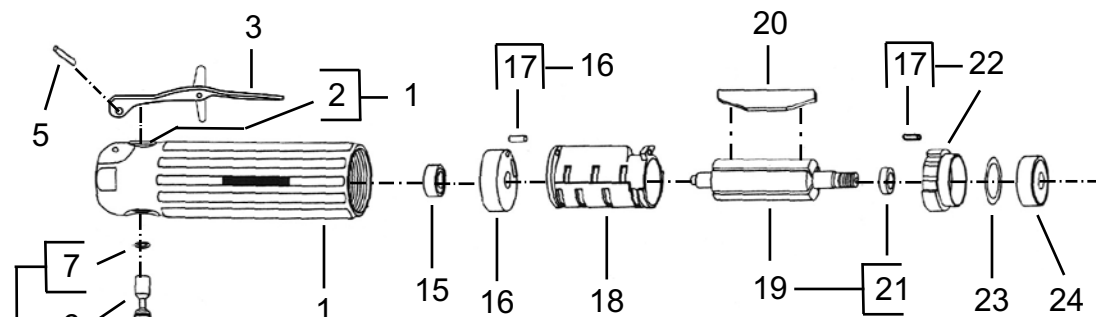


Throttle Type	Free Speed (RPM)			Terminations					
	6,000	9,000	11,000	200 Collet	3/8"-24 Ext.	Type 27 (mm)	5/8"-11 Ext.	Sanding Disc	Type 1 (in.)
Button	10B2750	10B2751	10B2752	-01	-36	-64, -65, -66	-80	-81	-83, -84
Lock-Off Lever	10K2750	10K2751	10K2752	-01	-36	-64, -65, -66	-80	-81	-83, -84
Locking Lever	10L2750	10L2751	10L2752	-01	-36	-64, -65, -66	-80	-81	-83, -84
Push-Pull	10Q2750	10Q2751	10Q2752	-01	-36	-64, -65, -66	-80	-81	-83, -84

For additional product information visit our website at;
<https://dotcotool.com/product-category/dotco-air-tools/dotco-grinders/dotco-right-angle-grinders/dotco-12-27-series-right-angle-grinders/>

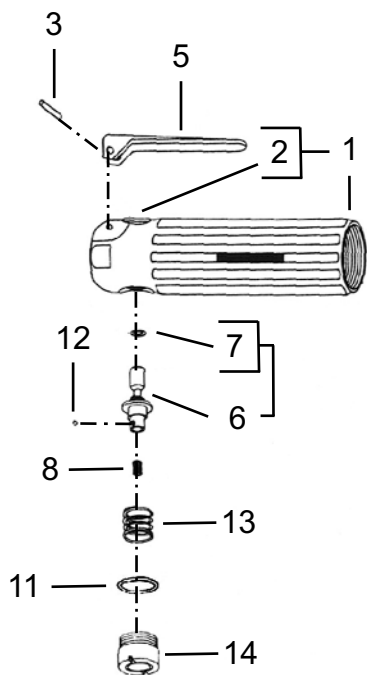
"A"

Pneumatic Right Angle Motor Assembly

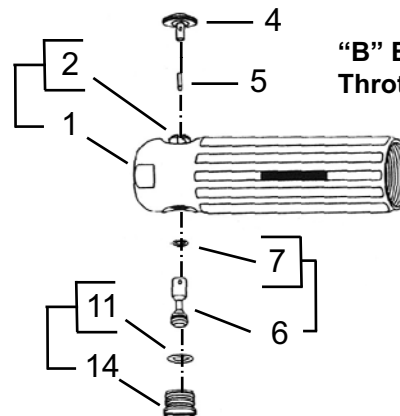


"L" Latching Lever Throttle

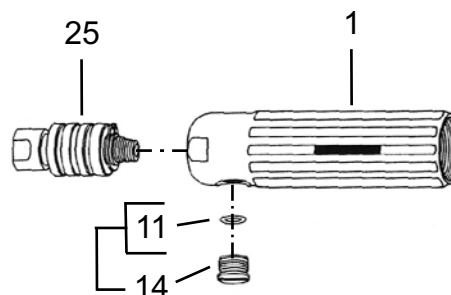
**"K" Lock-Off
Lever Throttle**



**"B" Button
Throttle**



"Q" Push-Pull Throttle



Pneumatic Right Angle Sanders / Grinders

Illustration "A" - Motor Assembly

Ref.	Number	#	●	Kit	EN	DE	FR	ES	IT
					Description	Benennung	Description	Descripción	Descrizione
1	Table A	1			Motor Housing	Motorgehäuse	Cage de moteur	Caja del motor	Corpo motore
2	Table A	1			* Valve Bushing	Lagerbuchse	Douille	Casquillo	Boccola
3	Table A	1			Lever	Hebel	Levier	Palanca	Leva
4	1039	1			Button	Drucktaste	Bouton	Botón	Pulsante
5	Table A	1			Pin	Stift	Goupille cylindrique	Pasador	Spina
6	Table A	1			Valve Stem	Ventilschaft	Tige de soupape	Vástago de válvula	Asta valvola
7	2053	1			O-Ring	O-Ring	Joint torique	Anillo "O"	Anello ad O
8	2015	1			Valve Spring	Ventilfeder	Printemps de soupape	La Primavera de la válvula	Primavera di valvola
9	2011	1			Speed Regulator	Regler	Régulateur	Regulador	Regolatore
10	1056	1			O-Ring	O-Ring	Joint torique	Anillo "O"	Anello ad O
11	1057	1			O-Ring	O-Ring	Joint torique	Anillo "O"	Anello ad O
12	4180	2			Ball	Kugel	Bille	Bolas	Sfera
13	2413	1			Spring	Druckfeder	Ressort	Resorte	Molla
14	Table A	1			Plug Assembly	Montage	Assemblage	Ensamblaje	Assemblaggio
15	538	1			Ball Bearing	Kugellager	Roulement à billes	Cojinete de bolas	Cuscinetto a sfera
16	7003	1			Bearing Plate	Tragplatte	Plaque de support	Placa de asiento	Piattello cuscinetto
17	1041	2			Locating Pin	Stift	Goupille cylindrique	Pasador	Spina
18	2255	1			Cylinder	Zylinder	Cylindre	Cilindro	Cilindro
19	7654	1			Rotor	Rotor	Rotor	El rotor	Il rotore
20	2253	4			Rotor Blade	Rotorblatt	Palette	Alabe del rotor	Paletta del rotore
21	2017	1			Spacer	Distanzstück	Entretoise	Espaciador	Distanziale
22	2292	1			Bearing Plate	Tragplatte	Plaque de support	Placa de asiento	Piattello cuscinetto
23	2488	1			Shim Packet	Unterlegstück	Cale pelable	Calzo	Spessore
24	500	1			Ball Bearing	Kugellager	Roulement à billes	Cojinete de bolas	Cuscinetto a sfera
25	14-2209	1			Sleeve Valve	Ventil	Soupape	Válvula	Valvola
Not Shown:									
--	45-1982	1			Grease Gun	Schmierung	Lubrification	Lubricación	Lubrificazione
--	45-0980	1			Gear Lube	Zahnrad-Schmieröl	Lubrifiant De Vitesse	Lubricante Del Engranaje	Olio lubrificante Dell'Ingranaggio

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

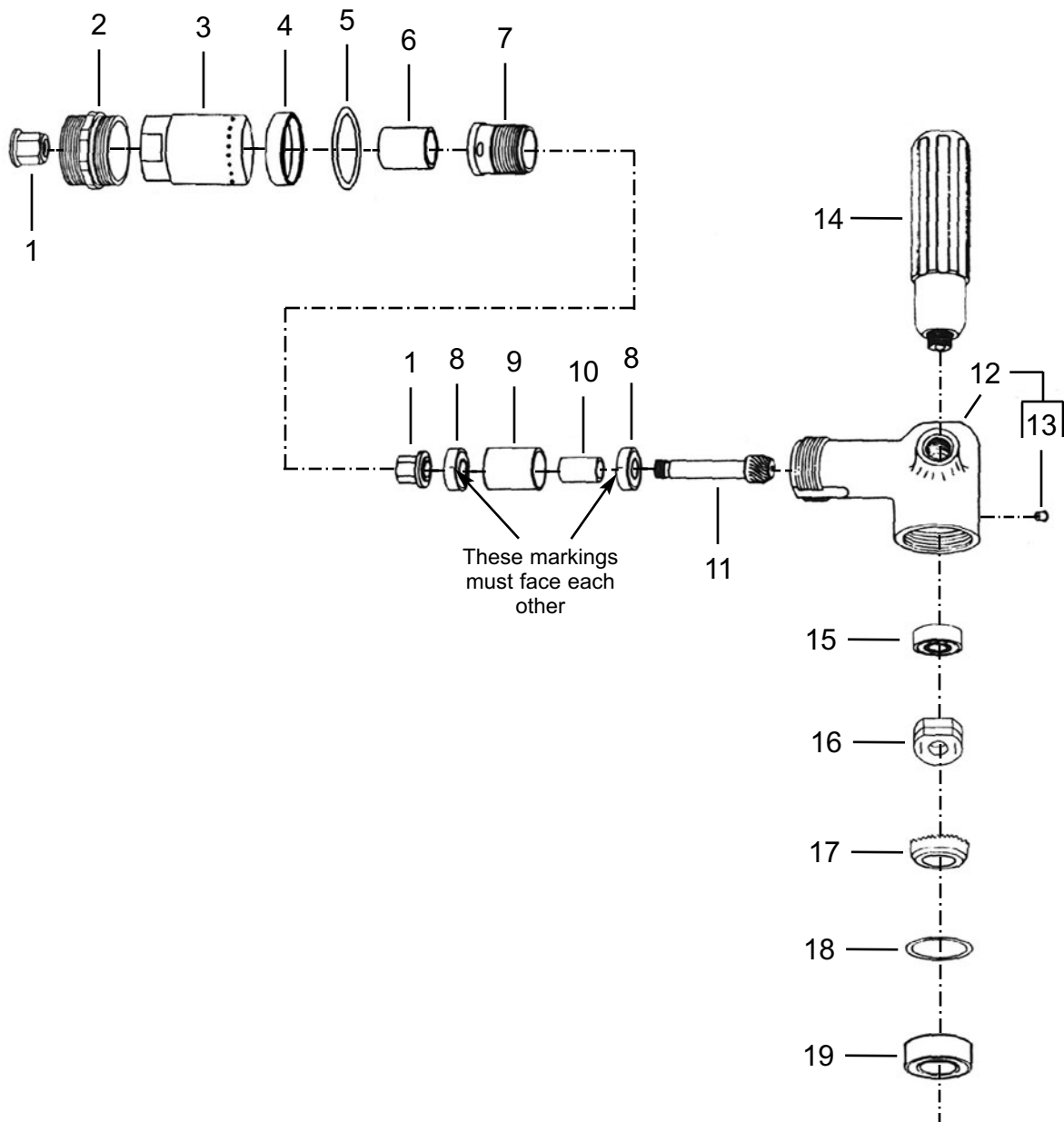
* Note: If necessary to replace valve bushing, press bushing, beveled end first, into threaded end of crosshole of motor housing. The valve bushing base should be .785" plus .005" from counterbored shoulder of crosshole. Hone inside diameter of valve bushing to .3129" plus .0003" diameter.

Table "A"

Ref.	Description	Qty.	10B2750	Qty.	10K2750	Qty.	10L2750	Qty.	10Q2750
			10B2751 10B2752		10K2751 10K2752		10L2751 10L2752		10Q2751 10Q2752
1	Motor Housing	1	2274	1	2260	1	2260	1	2341
2	Valve Bushing	1	2037	1	2007	1	2007		---
3	Lever		---	1	1019	1	01-1267		---
5	Pin	1	1055	1	1042	1	1042		---
6	Valve Stem	1	2038	1	2412	1	2008		---
14	Plug Assembly	1	2012	1	2411	1	2012	1	2734

"B"

Pneumatic Right Angle Head Assembly



Pneumatic Right Angle Sanders / Grinders

July 14, 2006

Illustration "B" - Pneumatic Right Angle Head Assembly

Ref.	Number	#	•	Kit	EN Description	DE Benennung	FR Description	ES Descripción	IT Descrizione
1	2284	1			Drive Coupling	Kupplung	Couplage	Acoplamiento	Accoppiamento
2	2043	1			Lock Ring	Verschlußring	Bague de verrouillage	Anillo de cierre	Anello di bloccaggio
3	8050	1			Muffler	Schalldämpfer	Silencieux	Silenciador	Silenziatore
4	8055	1			Muffler Insert	Distanzstück	Entretoise de silencieux	Espaciador del silenciador	Distanziale silenziatore
5	1169	1			O-Ring	O-Ring	Joint torique	Anillo "O"	Anello ad O
6	2287	1			Coupling	Kupplung	Couplage	Acoplamiento	Accoppiamento
7	2252	1			Lock Ring	Verschlußring	Bague de verrouillage	Anillo de cierre	Anello di bloccaggio
8	534	1			Duplex Bearing	Lager	Coussinet	Cojinete	Cuscinetto
9	2237	1			Spacer	Distanzstück	Entretoise	Espaciador	Distanziale
10	2242	1			Spacer	Distanzstück	Entretoise	Espaciador	Distanziale
11	Table B	1			Pinion	Pinion	Pignon	Piñón	Il pignone
12	2538	1			Angle Housing	Winkelkopfgehäuse	Cage d'équerre	Alojamiento angular	Corpo testina angolare
13	1463	1			Grease Fitting	Schmiernippel	Monture de graisse	Accesorio de grasa	Ingrassatore
14	7678	1			Handle	Handgriff	Poignée	Manija	Impugnatura
15	505	1			Ball Bearing	Kugellager	Roulement à billes	Cojinete de bolas	Cuscinetto a sfera
16	7755	1			Lubricator Disc	Ölungssubstanz	Lubrificateur	Lubricador	Lubrificante
17	Table B	1			Pinion Gear	Ritzelgetriebe	Pignon d'entraînement	Piñón diferencial	Ingranaggio a pignone
18	2645	1			Shim Packet	Unterlegstück	Cale pelable	Calzo	Spessore
19	543	1			Ball Bearing	Kugellager	Roulement à billes	Cojinete de bolas	Cuscinetto a sfera
Not Shown:									
--	45-1982	1			Grease Gun	Schmierung	Lubrification	Lubricación	Lubrificazione
--	45-0980	1			Gear Lube	Zahnrad-Schmieröl	Lubrifiant De Vitesse	Lubricante Del Engranaje	Olio lubrificante Dell'Ingranaggio

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

- * Note: If necessary to replace valve bushing, press bushing, beveled end first, into threaded end of crosshole of motor housing.
The valve bushing base should be .785" plus .005" from counterbored shoulder of crosshole. Hone inside diameter of valve bushing to .3129" plus .0003" diameter.

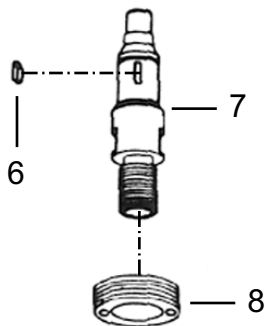
Table "B"

Ref.	Description	Qty.	10-2750	Qty.	10-2751	Qty.	10-2752
11	Pinion	1	2646	1	2667	1	2676
17	Pinion Gear	1	2647	1	2668	1	2677

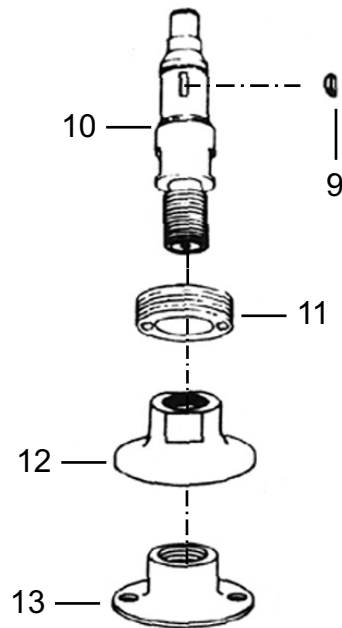
"C"

Single Reduction Termination Assembly

Terminations:
- 40, - 80



Termination:
- 81



Termination:
- 01

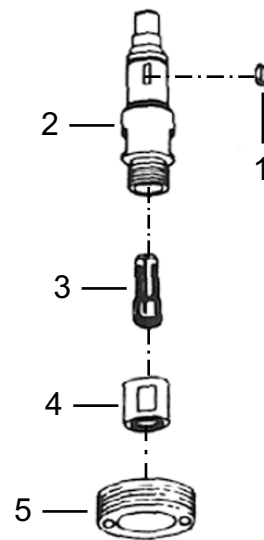


Illustration "C" - Terminations

Ref.	Number	#	•	Kit	EN Description	DE Benennung	FR Description	ES Descripción	IT Descrizione
Termination 01: 200 Series Collet									
1	2062	1			Woodruff Key	Woodruff Schluessel	Clavette Woodruff	Llave Woodruff	Chiavetta woodruff
2	2666	1			Spindle	Spindel	Arbre	Husillo	Mandrino
3	Table C	1			Collet	Futter	Douille de serrage	Boquilla	Bussola di chiusura
4	2058	1			Collet Chuck Cap	Kappe	Chapeau	Tapa	Cappello
5	2542	1			Lock Ring	Verschlussring	Bague de verrouillage	Anillo de cierre	Anello di bloccaggio
Termination 40: 3/8"-24 External Thread Spindle									
Termination 80: 5/8"-11 External Thread Spindle									
6	2062	1			Woodruff Key	Woodruff Schluessel	Clavette Woodruff	Llave Woodruff	Chiavetta woodruff
7	2623	1			Spindle (-40)	Spindel	Arbre	Husillo	Mandrino
	2541	1			Spindle (-80)	Spindel	Arbre	Husillo	Mandrino
8	2542	1			Lock Ring	Verschlussring	Bague de verrouillage	Anillo de cierre	Anello di bloccaggio
Termination 81: 3" and 4" Diameter Sanding Discs									
9	2062	1			Woodruff Key	Woodruff Schluessel	Clavette Woodruff	Llave Woodruff	Chiavetta woodruff
10	2222	1			Spindle	Spindel	Arbre	Husillo	Mandrino
11	2542	1			Lock Ring	Verschlussring	Bague de verrouillage	Anillo de cierre	Anello di bloccaggio
12	2689	1			Wheel Adapter	Zwischenstück	Adaptateur	Adaptador	Adattatore
13	14-2179	1			Sanding Pad Nut	Mutter	Ecrou	Tuerca	Dado

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

Table "C"

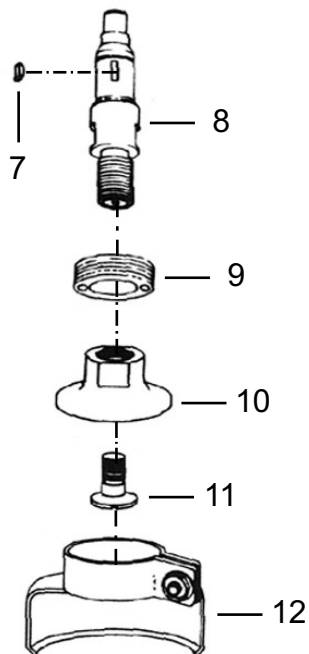
200 Series Optional Collets					
Part No.	Arbor Size	Part No.	Arbor Size	Part No.	Arbor Size
204	1/8"	208 *	1/4"	212	3/8"
205	5/32"	209	9/32"	213	6mm
206	3/16"	210	5/16"	216	8mm
207	7/32"	211	11/32"		

* Standard Collet

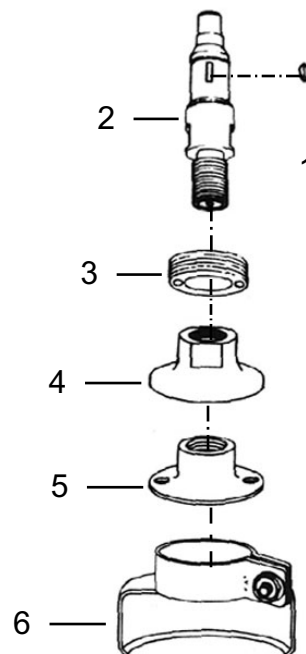
"D"

Single Reduction Termination Assembly

Terminations:
- 83, - 84



Terminations:
- 64, - 65, - 66



Pneumatic Right Angle Sanders / Grinders

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Illustration "D" - Terminations

Ref.	Number	#	•	Kit	EN Description	DE Benennung	FR Description	ES Descripción	IT Descrizione
Termination 64: Type 27 DCW (100mm x 6mm x 16mm)									
Termination 65: Type 27 DCW (115mm x 6mm x 22mm)									
Termination 66: Type 27 DCW (125mm x 6mm x 22mm)									
1	2062	1			Woodruff Key	Woodruff Schluessel	Clavette Woodruff	Llave Woodruff	Chiavetta woodruff
2	2071	1			Spindle (-64)	Spindel	Arbre	Husillo	Mandrino
	2294	1			Spindle (-65, -66)	Spindel	Arbre	Husillo	Mandrino
3	2542	1			Lock Ring	Verschlussring	Bague de verrouillage	Anillo de cierre	Anello di bloccaggio
4	2091	1			Inner Flange (-64)	Flansch	Rebord	Pestaña	Flangia
	2291	1			Inner Flange (-65, -66)	Flansch	Rebord	Pestaña	Flangia
5	2093	1			Outer Flange (-64)	Flansch	Rebord	Pestaña	Flangia
	2293	1			Outer Flange (-65, -66)	Flansch	Rebord	Pestaña	Flangia
6	14-2562	1			Wheel Guard (-64)	Radschutz	Protection d'engrenage	Protector de rueda	Riparo mola
	14-2672	1			Wheel Guard (-65)	Radschutz	Protection d'engrenage	Protector de rueda	Riparo mola
	14-2252	1			Wheel Guard (-66)	Radschutz	Protection d'engrenage	Protector de rueda	Riparo mola
Termination 83: Type 27 DCW (3" x 1/4" x 3/8")									
Termination 84: Type 27 DCW (4" X 1/4" X 3/8")									
7	2062	1			Woodruff Key	Woodruff Schluessel	Clavette Woodruff	Llave Woodruff	Chiavetta woodruff
8	2222	1			Spindle	Spindel	Arbre	Husillo	Mandrino
9	2542	1			Lock Ring	Verschlussring	Bague de verrouillage	Anillo de cierre	Anello di bloccaggio
10	2689	1			Wheel Adapter	Zwischenstück	Adaptateur	Adaptador	Adattatore
11	14-2094	1			Screw (3/8" Arbor)	Schraube	Vis	Tornillo	Vite
12	14-2561	1			Wheel Guard (-83)	Radschutz	Protection d'engrenage	Protector de rueda	Riparo mola
	14-2562	1			Wheel Guard (-84)	Radschutz	Protection d'engrenage	Protector de rueda	Riparo mola

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Sales & Service Centers

Note: All locations may not service all products. Please contact the nearest Sales & Service Center for the appropriate facility to handle your service requirements.

Dallas, TX
**Apex Tool Group
Sales & Service Center**
1470 Post & Paddock
Grand Prairie, TX 75050
Tel: 972-641-9563
Fax: 972-641-9674

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2630 Superior Court
Auburn Hills, MI 48326
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Fax: 248-391-7824

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Sales & Service Center**
6550 West Sam Houston
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Fax: 713-849-2047

Lexington, SC
Apex Tool Group
670 Industrial Drive
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Tel: 800-845-5629
Tel: 803-951-7544
Fax: 803-358-7681

Los Angeles, CA
**Apex Tool Group
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Fax: 562-802-1718

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**Apex Tool Group
Sales & Service Center**
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