



Impact Wrench Features



Output Options

Ease of service

Simple 3 piece construction for ease and speed of servicing.

Durable steel clutch housings (zinc option on some models).

Clutch Options

Desoutter have developed a range of 7 clutch types to meet the differing demands of our customers applications. No single clutch is perfect for every type of joint.

2 or 3-Jaw - Good on soft or hard joints with high ultimate torques.

Rocking Dog - Good on very soft joints providing high speed rundown.

Single or Double Dog - For soft and hard joints. High power/weight ratio.

Twin Lobe - All round clutch with a high ultimate torque and high power to weight ratio.

Tool Selection

1. APPLICATION TYPE

These tools are Heavy Duty and suitable for high production rates such as those on production/assembly lines, where high durability is used and the tools are used frequently.

2. BOLT SIZE/TORQUE

The table below lists the maximum torques for bolt sizes and different grade fasteners. These torque figures are for guidance only. Always confirm values with the bolt supplier/manufacturer.

BOLT SIZE	METRIC ISO 8.8	METRIC ISO 10.9	METRIC ISO 12.9	BOLT SIZE	SAE GRADE 1 & GRADE 2	SAE GRADE 5	ASTM-UNC GRADE 8/A490
mm	N.m	N.m	N.m	in.	ft lb	ft lb	ft lb
6	10.5	15	17	1/4	3	8	11
8	25	36	43	5/16	6	16	22
10	51	71	86	3/8	11	28	38
12	87	122	146	7/16	18	46	61
14	138	195	234	1/2	28	70	94
16	213	299	359	9/16	43	110	135
18	293	413	495	5/8	55	140	188
20	416	585	702	3/4	97	250	336
22	563	792	950	7/8	155	405	541
24	718	1011	1213	1	230	600	812
27	1060	1491	1789	1 1/8	340	770	1151
30	1440	2025	2430	1 1/4	480	1080	1626
33	1956	2751	3301	1 3/8	660	1470	2130
36	2517	3540	4248	1 1/2	860	1950	2830

3. JOINT TYPE

As a guide use the table to specify a tool for a certain joint. As a rule most joints are 'soft'.

DRIVE	VERY SOFT	SOFT	HARD
3/8"		CP6031	CP6031
	CP6300	CP6300	CP6300
1/2"		CP6041	CP6041
		CP6500	CP6500
	CP6540	CP6540	
3/4"		CP6060	CP6060
		CP6110	CP6110
1"		CP0610	CP0610
	CP0610	CP0611	CP0611
		CP0611	CP0611
1 1/2"		CP0614	CP0614
		CP6120	CP6120

4. HANDLE TYPE



Pistol

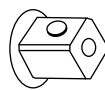


D Handle
Outside Trigger

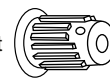


D Handle
Inside Trigger

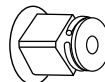
5. SOCKET RETENTION



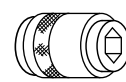
Pin Retainer
for infrequent socket change



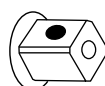
Integral Spline
with integral push button retainer



Friction Ring
for rapid socket change

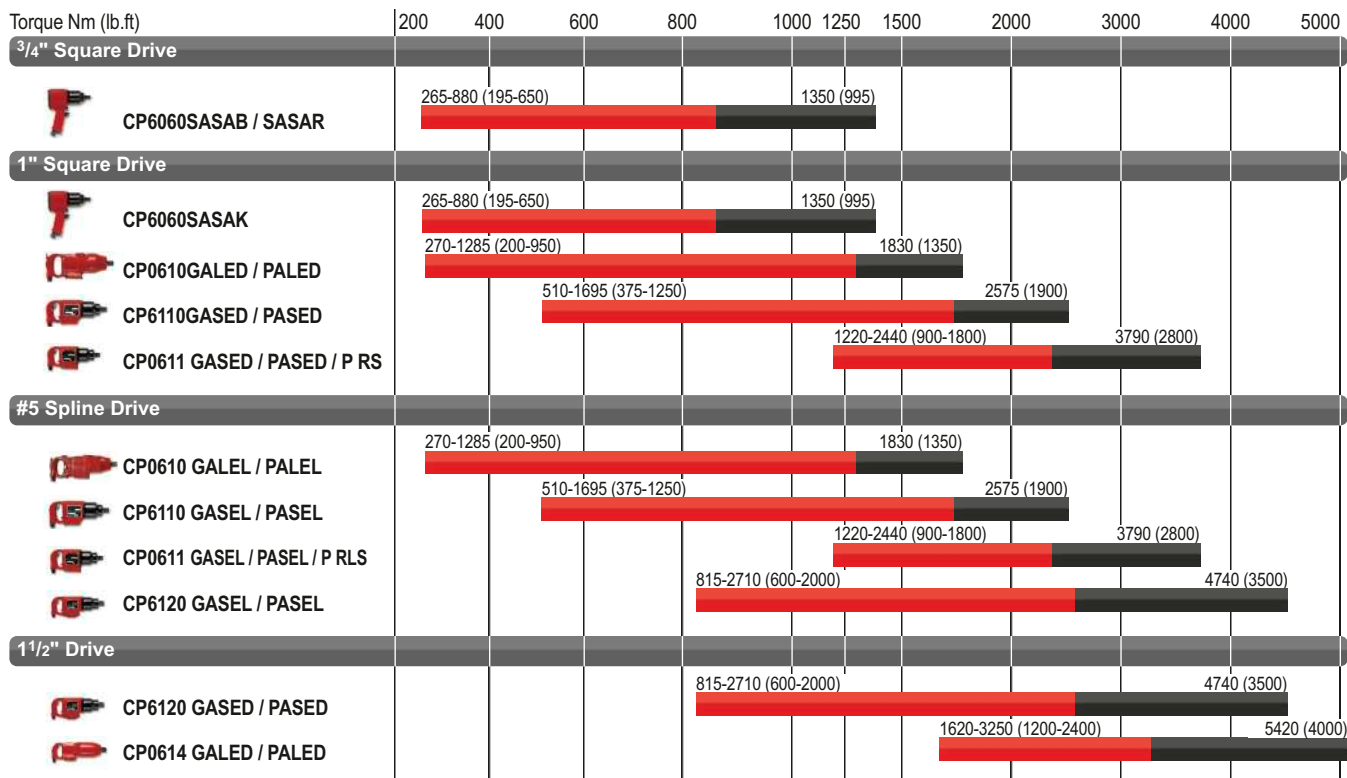
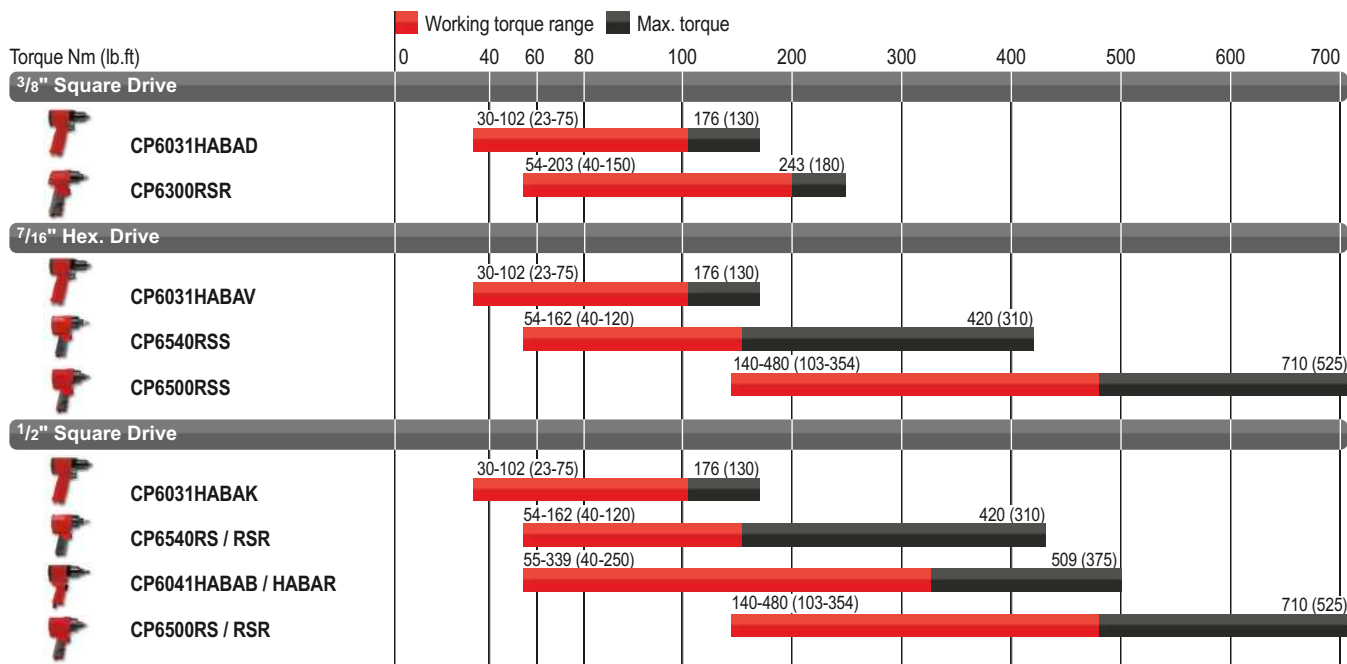


Quick Change
for screwdriver bits or torsion bars



Hole
for pin o-ring type retention

Impact Wrench Torque Ranges



Impact Wrench

30 to 480 Nm (23 to 354 ft.lb)



A



B



C

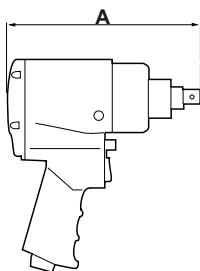


D



E

Model	A		Side to centre	
	mm	in.	mm	in.
CP6031 HABAD	143	5.6	25.4	1
CP6031 HABAK	143	5.6	25.4	1
CP6031 HABAV	146	5.7	25.4	1
CP6300 RSR	152	6.0	31.8	1.25
CP6041 HABAB	173	6.8	31.8	1.25
CP6041 HABAR	173	6.8	31.8	1.25
CP6500 RS	178	7.0	35.8	1.41
CP6500 RSR	178	7.0	35.8	1.41
CP6500 RSS	178	7.0	35.8	1.41
CP6540 RS	188	7.4	35.1	1.38
CP6540 RSR	188	7.4	35.1	1.38
CP6540 RSS	188	7.4	35.1	1.38



OPTIONAL ACCESSORIES

1/2" square drive with 50mm (2") extension, friction ring retainer

CP6500

CA148629

Air inlet: 1/4" NPT

Torque ranges should be used as a guide only. Final torque will depend on the joint, operating pressure and drive accessories.

PIC REF	MODEL	PART NUMBER	DRIVE	CLUTCH TYPE	HANDLE STYLE	BLOWS PER MINUTE	TORQUE WORKING		TORQUE MAX.		WEIGHT		AIR CONSUMPTION	
							N.m	ft lb	N.m	ft lb	kg	lb	l/s	cfm
A	CP6031 HABAD*	T021887	3/8"	2-Jaw	Pistol	2200	30-102	23-75	176	130	1.5	3.3	12.0	25
A	CP6031 HABAK*	T021884	1/2"	2-Jaw	Pistol	2200	30-102	23-75	176	130	1.5	3.3	12.0	25
A	CP6031 HABAV**	T021885	7/16" hex	2-Jaw	Pistol	2200	30-102	23-75	176	130	1.5	3.3	12.0	25
B	CP6300 RSR***	T025285	3/8"	Single-Dog	Pistol	1800	54-203	40-150	243	180	1.6	3.5	6.6	14
C	CP6041 HABAB*	T021888	1/2"	2-Jaw	Pistol	1700	55-339	40-250	509	375	2.80	6.2	18.9	40
C	CP6041 HABAR***	T022331	1/2"	2-Jaw	Pistol	1700	55-339	40-250	509	375	2.80	6.2	18.9	40
D	CP6500 RS*	T025214	1/2"	Double-Dog	Pistol	1320	140-480	103-354	710	525	2.65	5.8	11.8	25
D	CP6500 RSR***	T025216	1/2"	Double-Dog	Pistol	1320	140-480	103-354	710	525	2.65	5.8	11.8	25
D	CP6500 RSS**	T025215	7/16" hex	Double-Dog	Pistol	1320	140-480	103-354	710	525	2.65	5.8	11.8	25
E	CP6540 RS*	T025312	1/2"	Rocking-Dog	Pistol	1320	54-162	40-120	420	310	2.80	6.2	10.4	22
E	CP6540 RSR***	T025313	1/2"	Rocking-Dog	Pistol	1320	54-162	40-120	420	310	2.80	6.2	10.4	22
E	CP6540 RSS**	T025314	7/16" hex	Rocking-Dog	Pistol	1320	54-162	40-120	420	310	2.80	6.2	10.4	22

Socket Retainer: * Pin - ** Quick Change - *** Friction Ring

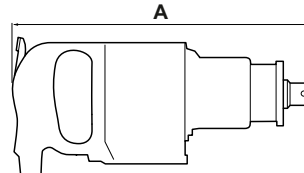
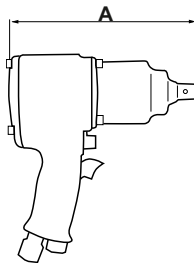
CP6500 - reverse torque 845Nm (625ft.lb)

Impact Wrench

265 to 1695 Nm (195 to 1250 ft.lb)



Model	A		Side to centre	
	mm	in.	mm	in.
CP6060 SASAB	194	7.6	45.2	1.78
CP6060 SASAK	194	7.6	45.2	1.78
CP6060 SASAR	194	7.6	45.2	1.78
CP6110 GASED	330	13.0	44.5	1.75
CP6110 GASEL	330	13.0	44.5	1.75
CP6110 PASED	330	13.0	44.5	1.75
CP0610 GALED	343	13.5	54.1	2.13



ACCESSORIES INCLUDED

	CP0610	CP6110
• Support handle	C039423	C145892
• Support handle mount		C116388
• Support handle screws (4 off)		C127944
• Retainer ring (see page 142)		

Air Inlet: 3/8" NPT for A & B - 1/2" NPT for C & D

Torque ranges should be used as a guide only. Final torque will depend on the joint, operating pressure and drive accessories.

PIC REF	MODEL	PART NUMBER	DRIVE	CLUTCH TYPE	HANDLE STYLE	BLOWS PER MINUTE	TORQUE WORKING		TORQUE MAX.		WEIGHT		AIR CONSUMPTION	
							N.m	ft lb	N.m	ft lb	kg	lb	l/s	cfm
A	CP6060 SASAB*	T024059	3/4"	2-Jaw	Pistol	1000	265-880	195-650	1350	995	5.3	11.7	19.8	42
A	CP6060 SASAK*	T024060	1"	2-Jaw	Pistol	1000	265-880	195-650	1350	995	5.4	11.9	19.8	42
A	CP6060 SASAR**	T024058	3/4"	2-Jaw	Pistol	1000	265-880	195-650	1350	995	5.4	11.9	19.8	42
B	CP6110 GASED*	T024425	1"	Twin Lobe	D Outside Trigger	960	510-1695	375-1250	2575	1900	9.75	21.5	25.0	53
B	CP6110 GASEL***	T024426	#5 Spline	Twin Lobe	D Outside Trigger	960	510-1695	375-1250	2575	1900	9.75	21.5	25.0	53
B	CP6110 PASED*	T025100	1"	Twin Lobe	D Inside Trigger	960	510-1695	375-1250	2575	1900	9.75	21.5	25.0	53
B	CP6110 PASEL***	T025101	#5 Spline	Twin Lobe	D Inside Trigger	960	510-1695	375-1250	2575	1900	9.75	21.5	25.0	53
C	CP0610 GALED*	T018046	1"	3-Jaw	D Outside Trigger	825	270-1285	200-950	1830	1350	9.30	20.5	22.6	48
C	CP0610 GALEL***	T018041	#5 Spline	3-Jaw	D Outside Trigger	825	270-1285	200-950	1830	1350	9.30	20.5	22.6	48
C	CP0610 PALED*	T018253	1"	3-Jaw	D Inside Trigger	825	270-1285	200-950	1830	1350	9.30	20.5	22.6	48
C	CP0610 PALEL***	T018042	#5 Spline	3-Jaw	D Inside Trigger	825	270-1285	200-950	1830	1350	9.30	20.5	22.6	48

Socket Retainer: * Hole - ** Friction Ring - *** Integral

Impact Wrench

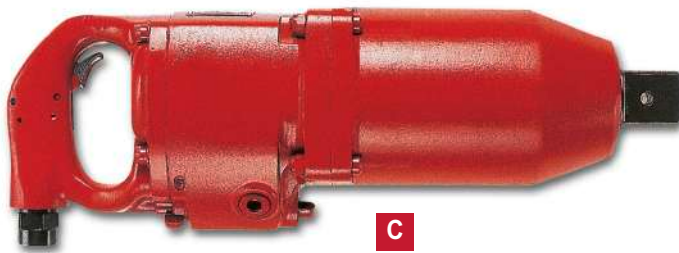
815 to 3250 (600 to 2400 ft.lb)



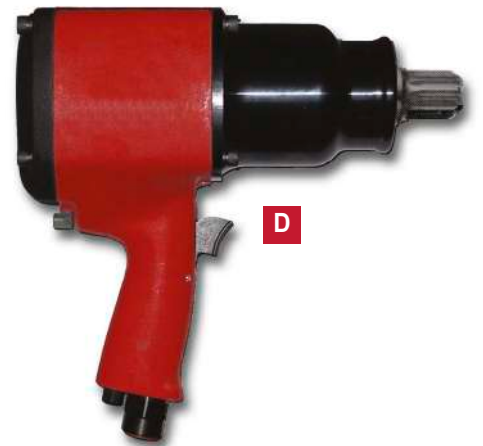
A



B

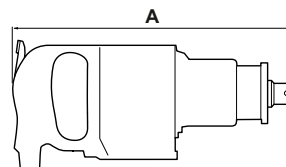
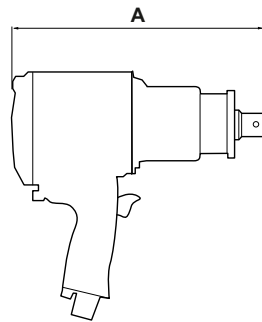


C



D

Model	A		Side to centre	
	mm	in.	mm	in.
CP0611 GASED	318	12.5	57.2	2.25
CP0611 GASEL	318	12.5	57.2	2.25
CP0611 PASED	318	12.5	57.2	2.25
CP0611 PASEL	318	12.5	57.2	2.25
CP6120 GASED	375	14.8	58.7	2.31
CP6120 GASEL	375	14.8	58.7	2.31
CP6120 PASED	375	14.8	58.7	2.31
CP6120 PASEL	375	14.8	58.7	2.31
CP0614 GALED	417	16.4	61.0	2.4
CP0614 PALED	417	16.4	61.0	2.4
CP0611P RS	272	10.7	55.0	2.13
CP0611P RLS	272	10.7	55.0	2.13



ACCESSORIES INCLUDED

	CP0611	CP0614	CP6120
• Support handle	CA048548	C039423	CA048548
• Support handle mount	C116388		C119061
• Support handle screws (4 off)	C064806		P073025
• Retainer ring (see page 142)			

Air inlet: 1/2" NPT

Torque ranges should be used as a guide only. Final torque will depend on the joint, operating pressure and drive accessories.

PIC REF	MODEL	PART NUMBER	DRIVE	CLUTCH TYPE	HANDLE STYLE	BLOWS PER MINUTE	TORQUE WORKING		TORQUE MAX.		WEIGHT		AIR CONSUMPTION	
							N.m	ft lb	N.m	ft lb	kg	lb	l/s	cfm
A	CP0611 GASED*	T022580	1"	2-Jaw	D OutsideTrigger	1020	1220-2440	900-1800	3790	2800	10.2	22.5	22.6	48
A	CP0611 GASEL**	T022581	#5 Spline	2-Jaw	D OutsideTrigger	1020	1220-2440	900-1800	3790	2800	10.2	22.5	22.6	48
A	CP0611 PASED*	T022578	1"	2-Jaw	D Inside Trigger	1020	1220-2440	900-1800	3790	2800	10.2	22.5	22.6	48
A	CP0611 PASEL**	T022579	#5 Spline	2-Jaw	D Inside Trigger	1020	1220-2440	900-1800	3790	2800	10.2	22.5	22.6	48
B	CP6120 GASED*	T018237	1 1/2"	2-Jaw	D Outside Trigger	960	815-2710	600-2000	4740	3500	15.4	33.9	28.3	60
B	CP6120 GASEL**	T017755	#5 Spline	2-Jaw	D Outside Trigger	960	815-2710	600-2000	4740	3500	15.4	33.9	28.3	60
B	CP6120 PASED*	T018841	1 1/2"	2-Jaw	D Inside Trigger	960	815-2710	600-2000	4740	3500	15.4	33.9	28.3	60
B	CP6120 PASEL**	T018235	#5 Spline	2-Jaw	D Inside Trigger	960	815-2710	600-2000	4740	3500	15.4	33.9	28.3	60
C	CP0614 GALED*	T020021	1 1/2"	2-Jaw	D Outside Trigger	500	1620-3250	1200-2400	5420	4000	14.3	31.5	27.4	58
C	CP0614 PALED*	T020022	1 1/2"	2-Jaw	D Inside Trigger	500	1620-3250	1200-2400	5420	4000	14.3	31.5	27.4	58
D	CP0611P RS*	T025413	1"	2-Jaw	Pistol	1020	1220-2440	900-1800	3790	2800	10.5	23.1	22.6	48
D	CP0611P RLS**	T025414	#5 Spline	2-Jaw	Pistol	1020	1220-2440	900-1800	3790	2800	10.5	23.1	22.6	48

Socket Retainer: * Hole - ** Integral