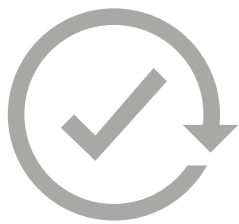


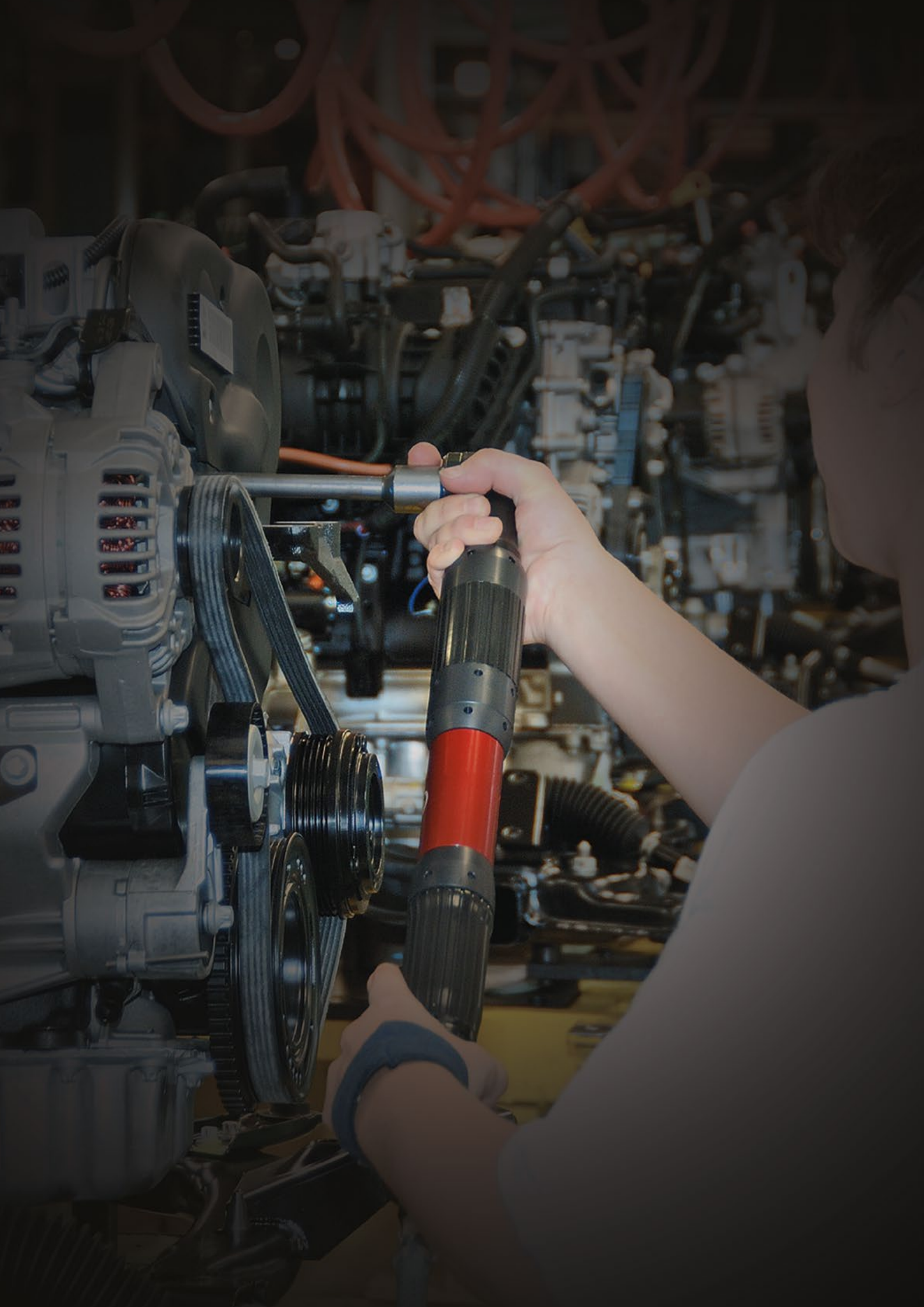


Industrial^{Tools}



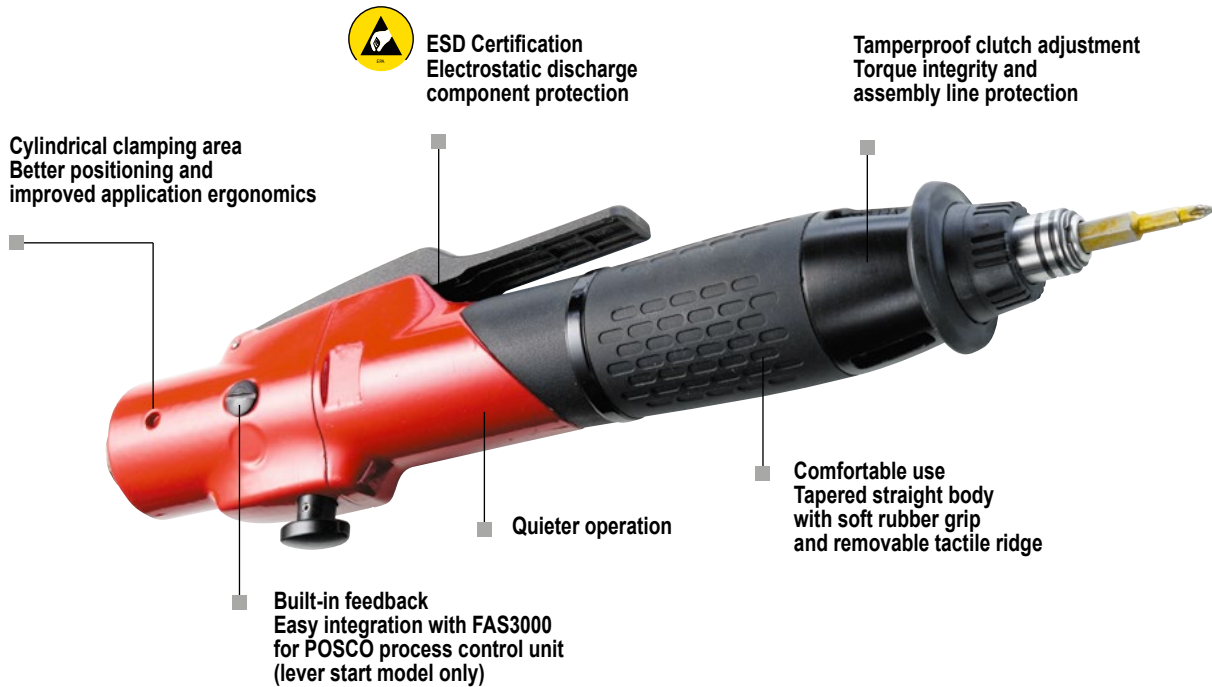
[Click here for latest issue](#)

More Than Productivity



Pneumatic fastening tools

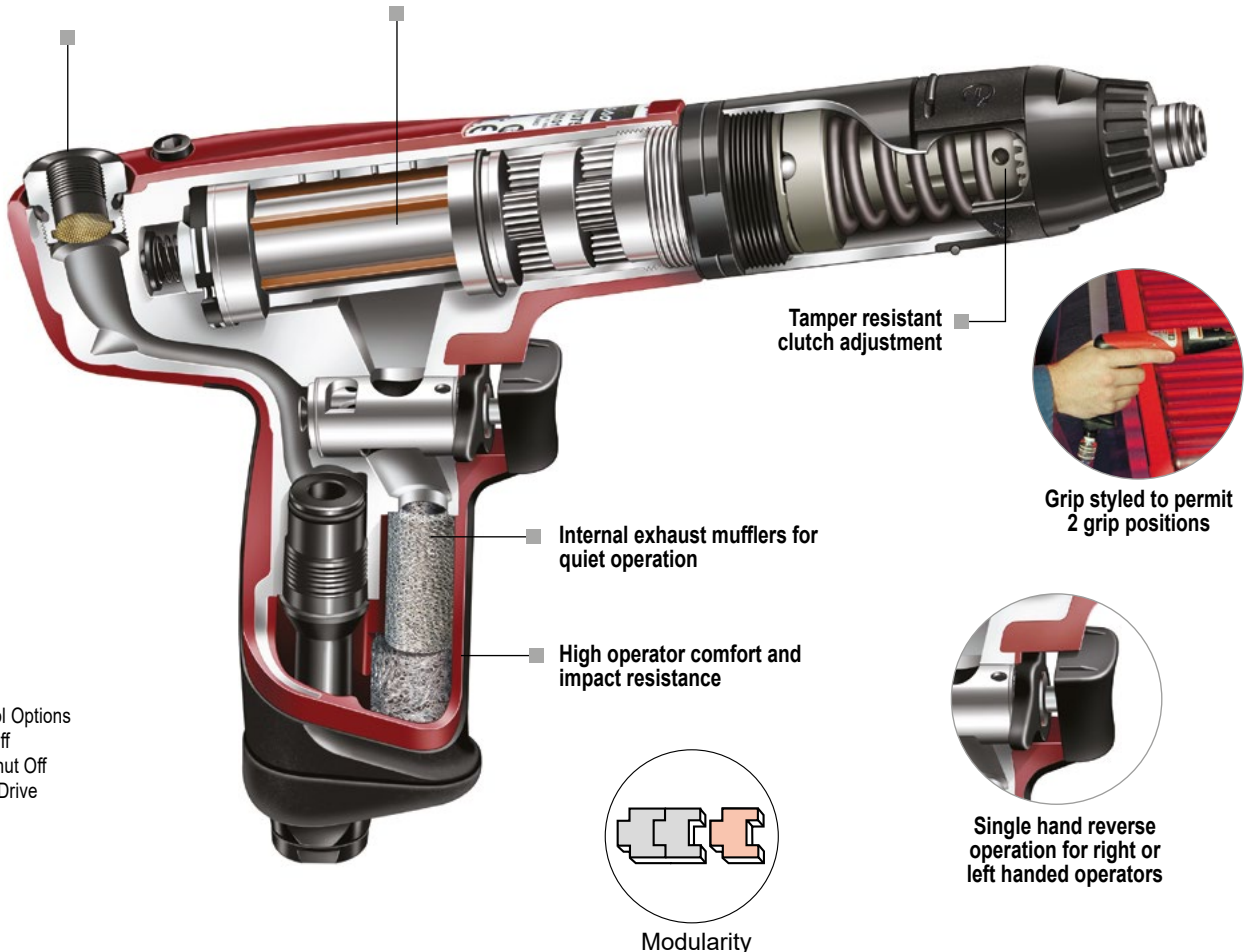
Shut Off, Non Shut Off, Direct Drive, Automatic Reverse



T shape grip for better balance to enhance operator comfort

Powerful, efficient, Dryline™ motor

CLUTCH AND MOTOR PROLONGING TOOL LIFE

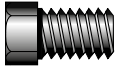
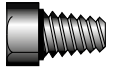
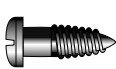


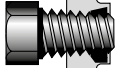
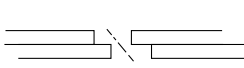
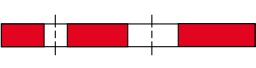
Tool selection

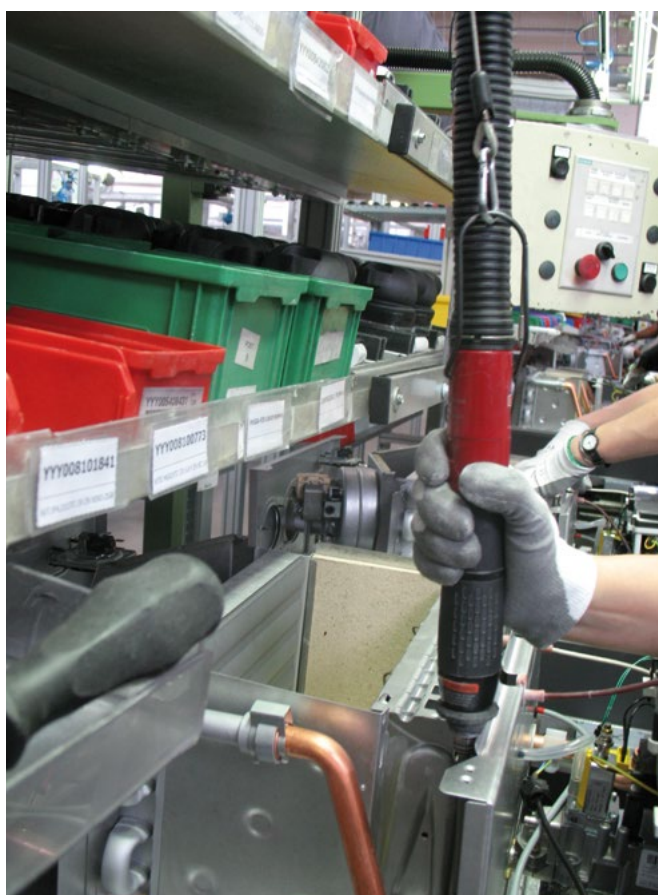
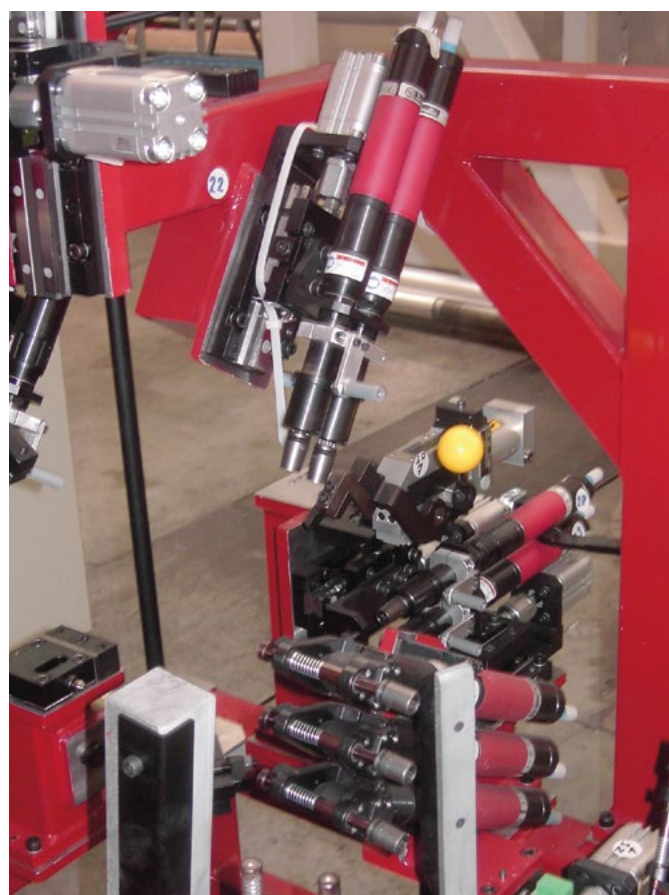
CRITERIA

- Type of Fastener/Component
- Joint integrity
- Torque Required
- Tool Orientation and Operator Reference
- Productivity
- Access

TYPE OF FASTENER/COMPONENT

FASTENER/COMPONENT		RECOMMENDED TOOL TYPE
Machine Screw/Nut		Shut Off/Impulse/Non Shut Off
Thread Rolling/Forming		Shut Off/HLT/Impulse/Direct Drive
Self Tapping		Non Shut Off/HLT/Direct Drive
Self Tapping in Plastic/ Thin Materials		Shut Off/HLT
Self Drilling		Non Shut Off/HLT/Direct Drive
Wood Screws		Non Shut Off/Direct Drive

FASTENER/COMPONENT		RECOMMENDED TOOL TYPE
Screws with Adhesive		HLT/Non Shut Off/Impulse
Self Lock Nuts		HLT/Non Shut Off/Impulse
Misaligned Holes		HLT
Variable Size Holes		HLT
Fragile Components		HLT/Low Voltage Screwdrivers



FASTENER TORQUE VALUES

MACHINE SCREWS						THREAD FORMING/ ROLLING SCREWS
ISO	4.6	5.8	8.8	10.9	12.9	8.8
THREAD SIZE	RECOMMENDED TORQUE (NM)					RECOMMENDED TORQUE (NM)
M1.6	0.07	0.12	0.19	–	–	–
M2	0.15	0.24	0.38	–	–	0.5
M2.2	0.19	0.31	0.51	–	–	–
M2.5	0.28	0.48	0.77	–	–	–
M3	0.51	0.85	1.4	1.9	2.3	1.4
M3.5	0.80	1.34	2.2	3.0	3.6	–
M4	1.20	2.00	3.2	4.5	5.4	3.2
M5	2.40	4.00	6.4	9.0	10.7	6.5
M6	4.10	6.80	10.9	15.3	18.3	11
M8	9.80	16.3	26.1	36.8	44.1	26
M10	19.3	32.2	51.5	72	86.9	52
M12	33.6	56.0	90	126	151	91
M14	53.0	89.0	142	200	239	–
M16	82.0	136	218	307	368	–
M18	114	190	304	428	513	–
M20	160	266	426	598	718	–
M22	215	358	573	806	967	–

Torque figures should be used as a guide only

Table assumes fasteners are new, lightly lubricated and of a standard finish

For lock nuts with a nylon insert, +10 %

Torque values are recommended values for a working pressure of 6,3 bar (90 PSIG)

For non metric threads please use the following data as a guide.

Recommended Maximum Torque Values – UNC Thread

THREAD SIZE	QUALITY P		QUALITY S		QUALITY T	
in.	Nm	ft.lb	Nm	ft.lb	Nm	ft.lb
1/4	5.43	4	10.3	7.6	11	8.2
5/16	11.2	8.3	21.3	15.7	23	16.9
3/8	19.9	14.7	37.9	27.9	40	30.2
7/16	31.9	23.5	60.7	44.8	65	48.31
1/2	48.8	36	92.7	68.4	100	73.8
9/16	70.4	51.9	134	98.8	144	106
5/8	97.4	71.8	185	136.4	200	147.5
3/4	178	131.3	338	249.3	364	268.5
7/8	279	205.8	530	391	572	422
1	418	308.3	795	586	858	633
1 1/8	593	437.4	1126	830	1216	897
1 1/4	837	617.3	1591	1173	1717	1266
1 3/8	1096	808.4	2083	1536	2248	1658
1 1/2	1456	1074	2767	2041	2987	2203

Recommended Maximum Torque Values – UNF Threads

THREAD SIZE	QUALITY P		QUALITY S		QUALITY T	
in.	Nm	ft.lb	Nm	ft.lb	Nm	ft.lb
1/4	6.3	4.6	11.9	8.8	12.9	9.5
5/16	12.5	9.2	23.8	17.5	25.7	18.9
3/8	22.7	16.7	43.2	31.9	46.6	34.4
7/16	35.9	26.5	68.2	50.3	73.6	54.3
1/2	55.4	40.9	105	77.4	114	84
9/16	79	58.3	150	111	162	119
5/8	111	81.9	210	155	227	167
3/4	195	144	370	273	399	294
7/8	309	228	587	433	634	468
1	459	339	873	644	942	695
1 1/8	667	492	1267	934	1368	1009
1 1/4	925	682	1757	1296	1896	1398
1 3/8	1252	923	2378	1754	2567	1893
1 1/2	1642	1211	3119	2300	3367	2482

Quality P = approximately ISO 4.6 Quality S/T = approximately ISO 8.8 Quality S = ANSI Grade 5

SELF TAPPING/DRILLING SCREWS

THREAD SIZE	RECOMMENDED TORQUE (NM)
ST2.2 (B2)	0.2
ST2.9 (B4)	1.0
ST3.5 (B6)	1.8
ST4.2 (B8)	2.9
ST4.8 (B10)	4.2
ST5.5 (B12)	6.7
ST6.3 (B14)	9.1

CONVERSION FACTORS

Nm x 141.6 = oz in

Nm x 8.851 = in lb

Nm x 0.73756 = ft lb

Nm x 0.102 = kgf m/kpm

Nm x 10.2 = kgf cm

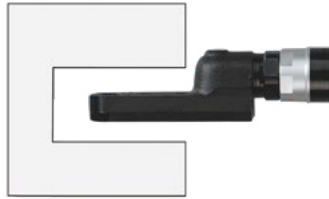


Productivity and Ergonomics

ACCESS



90° Angle Heads



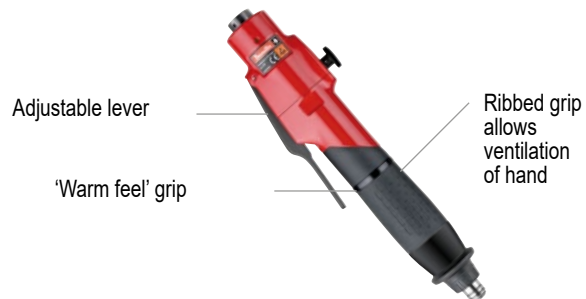
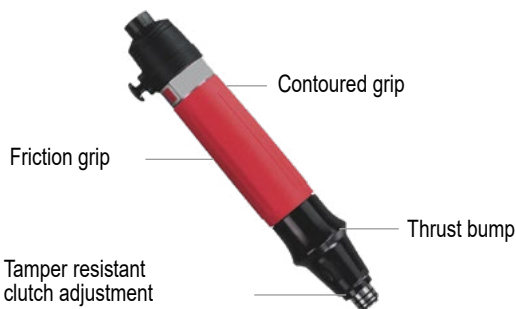
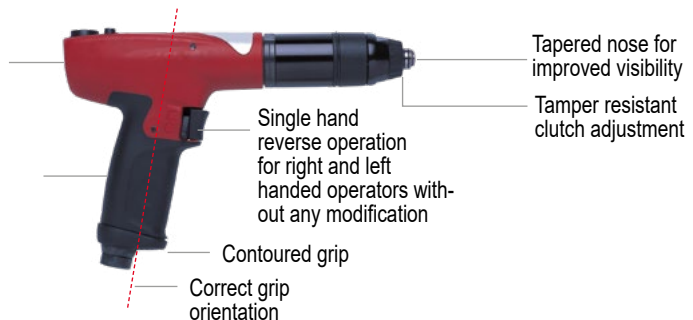
Crowfoot
Open Ended Wrenches

ERGONOMIC BENEFITS

- Lightweight
- Short Length
- Light Start Load

Pistol options of 'P' or 'T' style to suit the application and operator preference

'Warm feel' friction grip



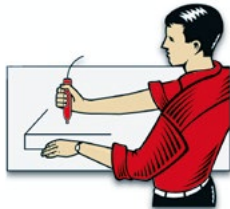
For low vibration exposure and high productivity, select shut off tools where possible

TOOL ORIENTATION AND OPERATOR PREFERENCE

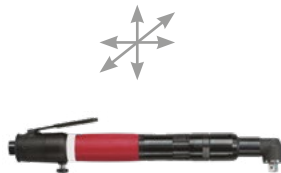


P Shape

Self Tapping/Forming/Cutting Screws
Multi orientation
Top air inlet
Requires balanced tool



Use P Shape - arm in line with body of tool for thrust
Use P Shape - allows wrist to rotate into position
Can only use T Shape
Use T Shape - especially with screwfeeder



Button Reverse versus Rotary Reverse

Rapid Reverse Required
Thread Chasing Cleaning
Rivnuts/Threaded Fasteners
Long Periods in Reverse

Use button reverse
Use button reverse (auto reverse for blind holes)
Use auto reverse tools
Use rotary reverse

Push Start versus Lever Start

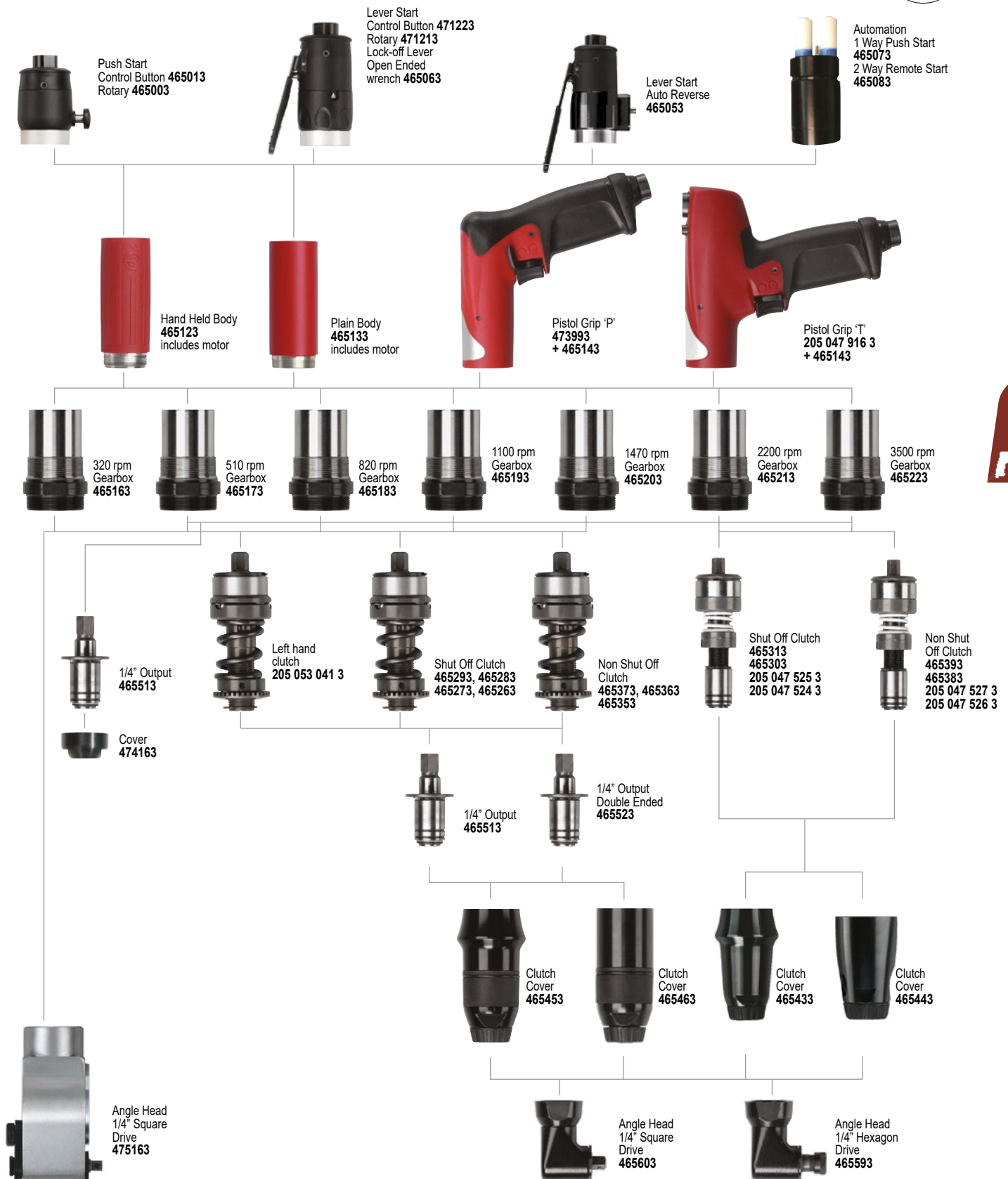
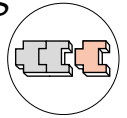
Fast Cycle Rate
Single Hand Operation Required
Need to Align/Position Components First

Use push start
Use push start
Use lever start or push + trigger start (SBP/SDP only)



Modularity

SD SERIES



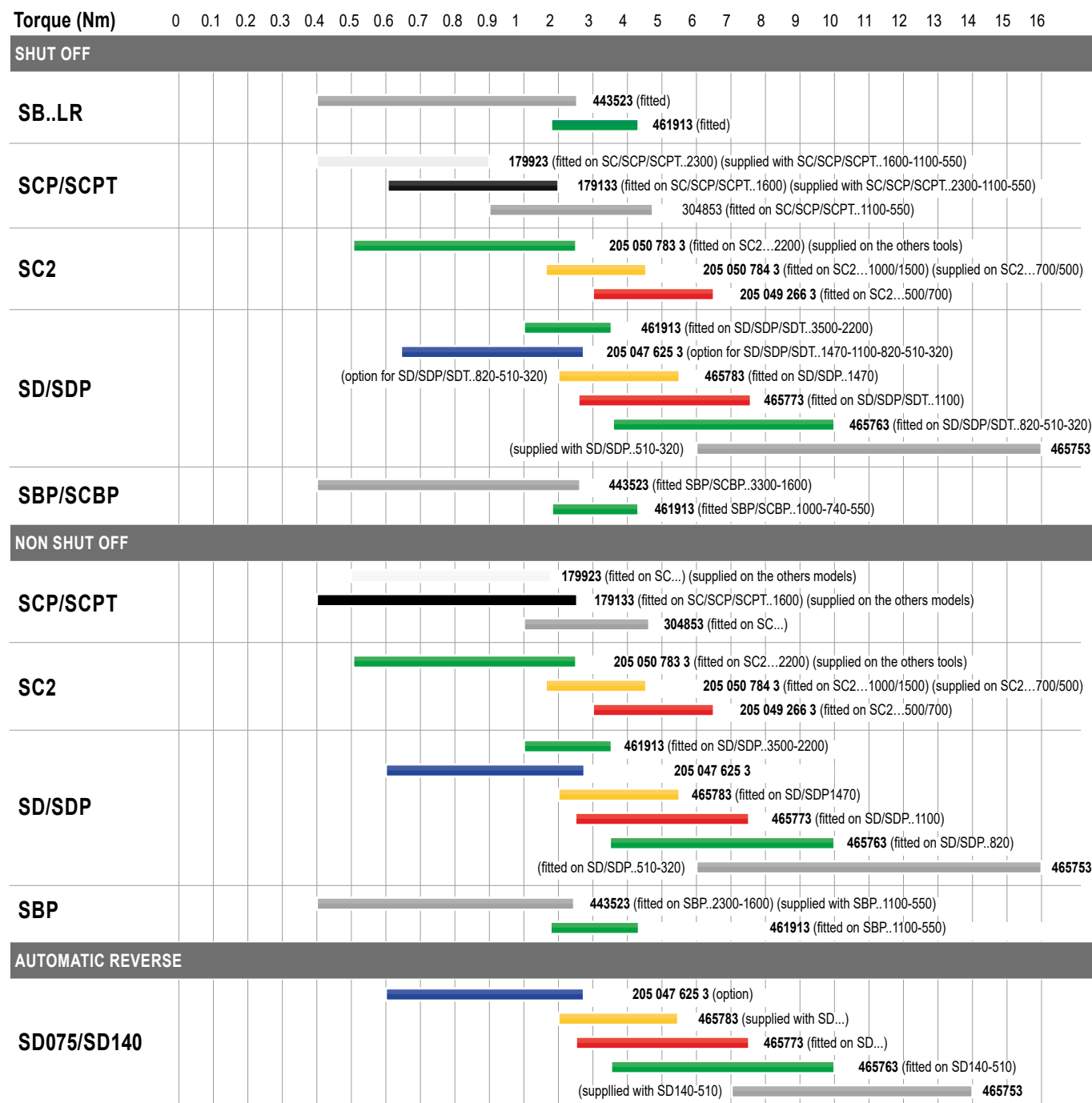
Modularity, a concept for all Desoutter pneumatic screwdrivers range

Screwdriver Torque Ranges

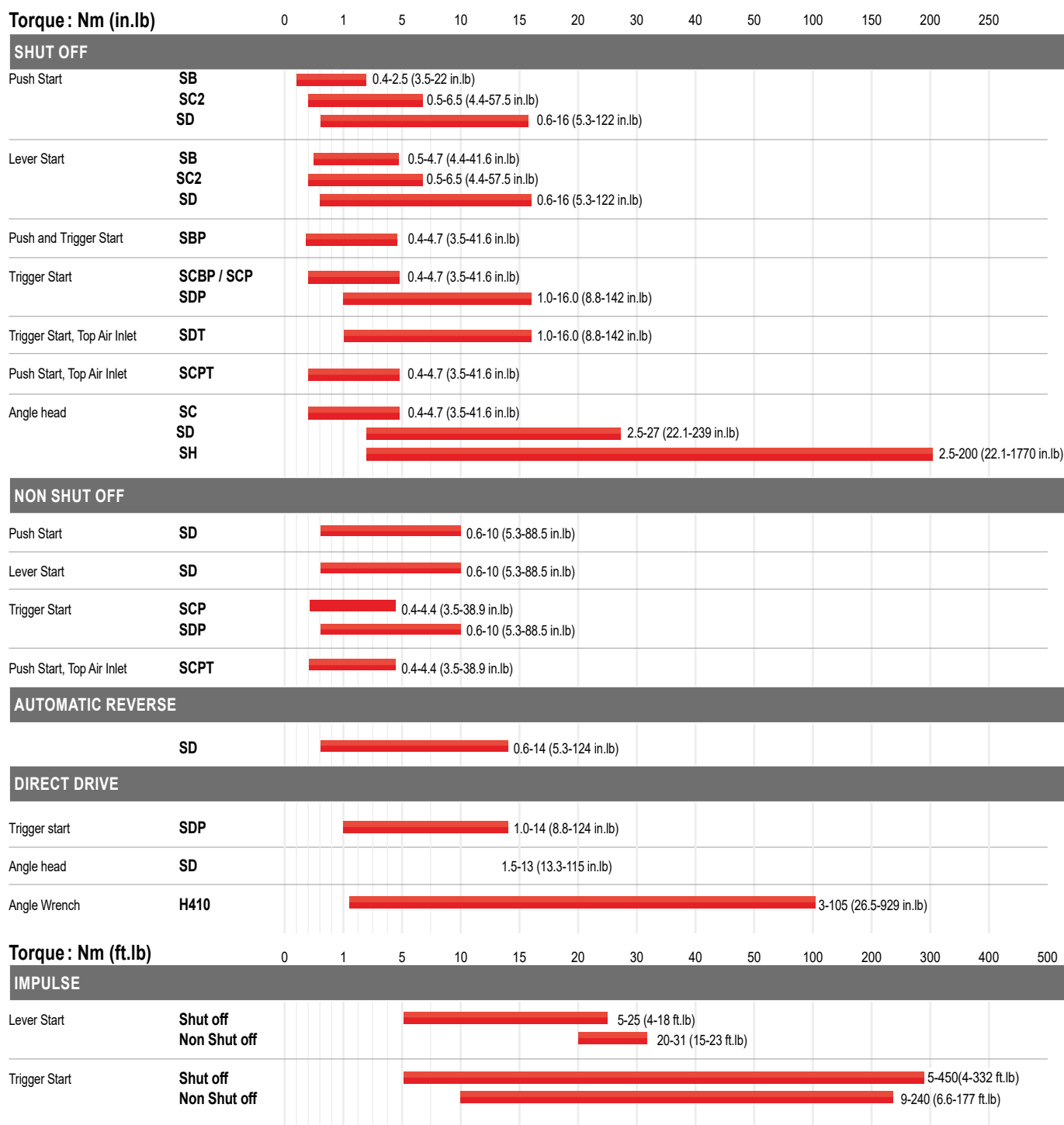
Torque output of the range of shut off and non shut off screwdrivers is controlled by the type of spring in the clutch assembly.

The overall torque range, together with that of the factory fitted spring on a soft joint to ISO5393 are listed in the tables on the following pages. The chart below provides an indication of the torque ranges for the optional colour coded clutch springs together with their respective part numbers (some are included with certain tools) As a general rule, the tool should be fitted with a spring which ensures the torque required falls within 20 to 80 % of the operating range.

Please note that the torque range of specific speed tools may alter slightly from that shown below and for this reason the chart should be used as a guide only.



Tool Types and Torque Ranges

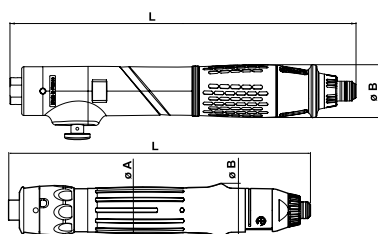


Screwdrivers - Shut off - Push start

0.09 to 16 Nm (0.8 to 142 in.lb) - 320 to 3500 rpm



Model	ø A mm (in.)	ø B mm (in.)	L mm (in.)
SB..	32 (1.26)	36 (1.42)	197 (7.76)
SC2		37.4 (1.47)	245 (9.65)
SD023..3500	38.7 (1.52)	44 (1.73)	227 (8)
SD035..2200	38.7 (1.52)	44 (1.73)	227 (8)
SD055..1470	38.7 (1.52)	44 (1.73)	253 (10)
SD075..1100	38.7 (1.52)	44 (1.73)	253 (10)
SD100..820	38.7 (1.52)	44 (1.73)	253 (10)
SD140..510	38.7 (1.52)	44 (1.73)	253 (10)
SD160..320	38.7 (1.52)	44 (1.73)	253 (10)



ACCESSORIES
see page 136

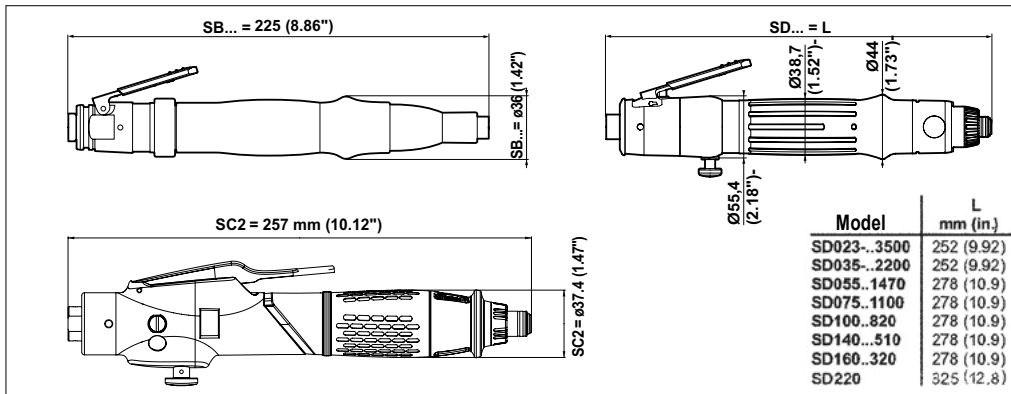
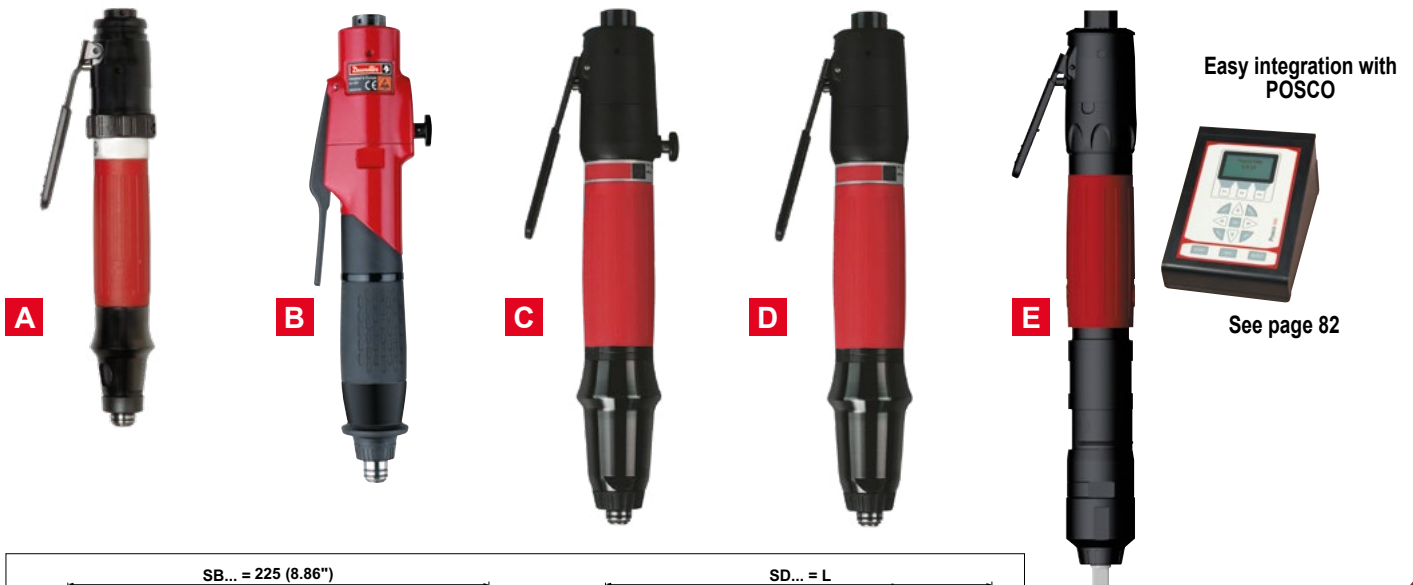
Types A to B, 1/4" double ended and 5mm bit holder optional

PIC REF	MODEL	PART NUMBER	FREE SPEED	OUTPUT HEX	TORQUE RANGE		FITTED SPRING		WEIGHT		AIR FLOW		AIR INLET		HOSE INT.Ø	
					Nm	in.lb	Nm	in.lb	kg	lb.	l/s	cfm	in.	mm	in.	in.
A	SB011-AB1600-S4Q	1460644	1600	1/4	0.4-1.1	3.5-9.7	0.4-1.1	3.5-9.7	0.42	0.93	4.1	8.7	1/8	5	3/16	
A	SB015-AB1100-S4Q	1460634	1100	1/4	0.4-1.5	3.5-13	0.4-1.5	3.5-13	0.42	0.93	4.1	8.7	1/8	5	3/16	
A	SB025-AB750-S4Q	1460624	750	1/4	0.4-2.5	3.5-22	0.4-2.5	3.5-22	0.42	0.93	4.1	8.7	1/8	5	3/16	
A	SB025-AB500-S4Q	1460684	500	1/4	0.4-2.5	3.5-22	0.4-2.5	3.5-22	0.42	0.93	4.1	8.7	1/8	5	3/16	
B	SB011-AR1600-S4Q	1460524	1600	1/4	0.4-1.1	3.5-9.7	0.4-1.1	3.5-9.7	0.42	0.93	4.1	8.7	1/8	5	3/16	
B	SB015-AR1100-S4Q	1460514	1100	1/4	0.4-1.5	3.5-13	0.4-1.5	3.5-13	0.42	0.93	4.1	8.7	1/8	5	3/16	
B	SB025-AR750-S4Q	1460504	750	1/4	0.4-2.5	3.5-22	0.4-2.5	3.5-22	0.42	0.93	4.1	8.7	1/8	5	3/16	
B	SB025-AR500-S4Q	1460564	500	1/4	0.4-2.5	3.5-22	0.4-2.5	3.5-22	0.42	0.93	4.1	8.7	1/8	5	3/16	
C	SC2-025-A2200-S4Q	205 147 269 4	2200	1/4	0.5-2.5	4.4-22	0.5-2.5	4.4-22.1	0.69	1.52	7.0	14.8	1/4	6	1/4	
C	SC2-035-A1500-S4Q	205 147 268 4	1450	1/4	0.5-3.5	4.4-30.8	1.7-3.5	15.0-30.9	0.69	1.52	7.0	14.8	1/4	6	1/4	
C	SC2-045-A1000-S4Q	205 147 267 4	1000	1/4	0.5-4.5	4.4-39.6	1.7-4.5	15.0-39.8	0.69	1.52	7.0	14.8	1/4	6	1/4	
C	SC2-055-A700-S4Q	205 147 266 4	700	1/4	0.5-5.5	4.4-48.4	3.0-5.5	26.5-48.6	0.69	1.52	7.0	14.8	1/4	6	1/4	
C	SC2-065-A500-S4Q	205 147 265 4	480	1/4	0.5-6.5	4.4-57.2	3.0-6.5	26.5-57.5	0.69	1.52	7.0	14.8	1/4	6	1/4	
D	SD035-AB2200-S4Q	1462824	2200	1/4	1.0-3.5	8.9-31	1.0-3.5	8.9-31	0.73	1.61	8.7	18.4	1/4	10	3/8	
D	SD055-AB1470-S4Q	1462814	1470	1/4	0.6-5.5	5.3-48.7	2.0-5.5	17.7-48.7	0.89	1.96	8.7	18.4	1/4	10	3/8	
D	SD075-AB1100-S4Q	1462804	1100	1/4	0.6-7.5	5.3-66.4	2.5-7.5	22.0-66.4	0.89	1.96	8.7	18.4	1/4	10	3/8	
D	SD100-AB820-S4Q	1462794	820	1/4	0.6-10	5.3-88.5	3.5-10	31.0-88.5	0.89	1.96	8.7	18.4	1/4	10	3/8	
D	SD140-AB510-S4Q	1462784	510	1/4	0.6-14	5.3-124	3.5-10	31.0-88.5	0.89	1.96	8.7	18.4	1/4	10	3/8	
D	SD160-AB320-S4Q	1462774	320	1/4	0.6-16	5.3-142	3.5-10	31.0-88.5	0.89	1.96	8.7	18.4	1/4	10	3/8	
E	SD055-AR1470-S4Q	1462744	1470	1/4	0.6-5.5	5.3-48.7	2.0-5.5	17.7-48.7	0.89	1.96	8.7	18.4	1/4	10	3/8	
E	SD075-AR1100-S4Q	1462734	1100	1/4	0.6-7.5	5.3-66.4	2.5-7.5	22.1-66.4	0.89	1.96	8.7	18.4	1/4	10	3/8	
E	SD100-AR820-S4Q	1462724	820	1/4	0.6-10	5.3-88.5	3.5-10	31.0-88.5	0.89	1.96	8.7	18.4	1/4	10	3/8	
E	SD140-AR510-S4Q	1462714	510	1/4	0.6-14	5.3-124	3.5-10	31.0-88.5	0.89	1.96	8.7	18.4	1/4	10	3/8	
E	SD160-AR320-S4Q	1462704	320	1/4	0.6-16	5.3-142	3.5-10	31.0-88.5	0.89	1.96	8.7	18.4	1/4	10	3/8	



Screwdrivers - Shut off - Lever start

0.4 to 16 Nm (3.5 to 142 in.lb) - 320 to 3500 rpm



ACCESSORIES see page 136

PIC REF	MODEL	PART NUMBER	FREE SPEED	OUTPUT DRIVE	TORQUE RANGE		FITTED SPRING		WEIGHT		AIR FLOW		AIR INLET		HOSE INT.Ø	
					Nm	in.lb	Nm	in.lb	kg	lb.	l/s	cfm	in.	mm	in.	
A	SB043-LR1050-S4Q	205 147 507 4	1050	1/4 Hex	0.4-4.3	3.5-38	1.9-4.3	16.7-37.8	0.61	1.34	7.3	15.5	1/8	6	1/4	
A	SB047-LR500-S4Q	205 147 506 4	500	1/4 Hex	0.4-4.7	3.5-41.6	1.9-4.7	16.7-41.4	0.61	1.34	7.3	15.5	1/8	6	1/4	
B	SC2-025-L2200-S4Q	205 147 283 4	2200	1/4 Hex	0.5-2.5	4.4-22	0.5-2.5	4.4-22.1	0.69	1.52	7.0	14.8	1/4	6	1/4	
B	SC2-035-L1500-S4Q	205 147 282 4	1450	1/4 Hex	0.5-3.5	4.4-30.8	1.7-3.5	15.0-30.9	0.69	1.52	7.0	14.8	1/4	6	1/4	
B	SC2-045-L1000-S4Q	205 147 281 4	1000	1/4 Hex	0.5-4.5	4.4-39.6	1.7-4.5	15.0-39.8	0.69	1.52	7.0	14.8	1/4	6	1/4	
B	SC2-055-L700-S4Q	205 147 280 4	700	1/4 Hex	0.5-5.5	4.4-48.4	3.0-5.5	26.5-48.6	0.69	1.52	7.0	14.8	1/4	6	1/4	
B	SC2-065-L500-S4Q	205 147 279 4	480	1/4 Hex	0.5-6.5	4.4-57.2	3.0-6.5	26.5-57.5	0.69	1.52	7.0	14.8	1/4	6	1/4	
C	SD055-LB1470-S4Q	1463 074	1470	1/4 Hex	0.6-5.5	5.3-48.7	2.0-5.5	17.7-48.7	0.92	2.03	8.7	18.4	1/4	10	3/8	
C	SD075-LB1100-S4Q	1463 064	1100	1/4 Hex	0.6-7.5	5.3-66.4	2.5-7.5	22.1-66.4	0.92	2.03	8.7	18.4	1/4	10	3/8	
C	SD100-LB820-S4Q	1463 054	820	1/4 Hex	0.6-10	5.3-88.5	3.5-10	31.0-88.5	0.92	2.03	8.7	18.4	1/4	10	3/8	
C	SD140-LB510-S4Q	1463 044	510	1/4 Hex	0.6-14	5.3-124	3.5-10	31.0-88.5	0.92	2.03	8.7	18.4	1/4	10	3/8	
C	SD160-LB320-S4Q	1463 034	320	1/4 Hex	0.6-16	5.3-142	3.5-10	31.0-88.5	0.92	2.03	8.7	18.4	1/4	10	3/8	
D	SD023-LR3500-S4Q	1463 024	3500	1/4 Hex	1.0-2.3	8.9-20.4	1.0-2.3	8.9-20.4	0.76	1.67	8.7	18.4	1/4	10	3/8	
D	SD055-LR1470-S4Q	1463 004	1470	1/4 Hex	0.6-5.5	5.3-48.7	2.0-5.5	17.7-48.7	0.92	2.03	8.7	18.4	1/4	10	3/8	
D	SD075-LR1100-S4Q	1462 994	1100	1/4 Hex	0.6-7.5	5.3-66.4	2.5-7.5	22.1-66.4	0.92	2.03	8.7	18.4	1/4	10	3/8	
D	SD100-LR820-S4Q	1462 984	820	1/4 Hex	0.6-10	5.3-88.5	3.5-10	31.0-88.5	0.92	2.03	8.7	18.4	1/4	10	3/8	
D	SD140-LR510-S4Q	1462 974	510	1/4 Hex	0.6-14	5.3-124	3.5-10	31.0-88.5	0.92	2.03	8.7	18.4	1/4	10	3/8	
D	SD160-LR320-S4Q	1462 964	320	1/4 Hex	0.6-16	5.3-142	3.5-10	31.0-88.5	0.92	2.03	8.7	18.4	1/4	10	3/8	
E	SD220-LR320-S4Q	205 147 937 4	320	1/4 Hex	9-16	27-142	9-16	27-142	1.4	3.1	8.7	18.4	1/4	10	3/8	
E	SD220-LR320-S10S	205 147 979 4	320	3/8 Sq	9-22	27-198	9-19	27-168	1.4	3.1	8.7	18.4	1/4	10	3/8	

Screwdrivers - Shut off - Pistol grip

0.4 to 16 Nm (3.5 to 142 in.lb) - 180 to 3500 rpm



Model	ØA mm (in.)	L mm (in.)	Model	L mm (in.)
SBP..	31 (1.22)	182 (7.17)	SDT035..1100	212 (8.35)
SCBP..	31 (1.22)	182 (7.17)	SDT035..2200	212 (8.35)
SCP...	34 (1.34)	228 (8.97)	SDT055..1470	238 (9.37)
SCPT...	34 (1.34)	230 (9.06)	SDT075..1100	238 (9.37)
SDP023..3400	36 (1.42)	194 (7.64)	SDT100..800	238 (9.37)
SDP035..2100	36 (1.42)	194 (7.64)	SDT140..510	238 (9.37)
SDP055..1400	36 (1.42)	220 (8.66)	SDT160..320	238 (9.37)
SDP075..1050	36 (1.42)	220 (8.66)		
SDP100..780	36 (1.42)	220 (8.66)		
SDP140..490	36 (1.42)	220 (8.66)		
SDP160..300	36 (1.42)	220 (8.66)		
SDP045..180	36 (1.42)	220 (8.66)		

ACCESSORIES
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Types D and E, Top air inlet

PIC REF	MODEL	PART NUMBER	FREE SPEED	OUTPUT HEX	TORQUE RANGE		FITTED SPRING		WEIGHT		AIR FLOW		AIR INLET	HOSE INT. Ø	
			rpm	in.	Nm	in.lb	Nm	in.lb	kg	lb.	l/s	cfm	in.	mm	in.

PUSH AND TRIGGER START

A	SBP021-T2300-S4Q	1462144	2300	1/4	0.4-2.1	3.5-18.6	0.4-2.1	3.5-18.6	0.82	1.81	6.5	13.8	1/8	6	1/4
A	SBP021-T1600-S4Q	1462154	1600	1/4	0.4-2.1	3.5-18.6	0.4-2.1	3.5-18.6	0.82	1.81	6.5	13.8	1/8	6	1/4
A	SBP043-T1100-S4Q	1462164	1100	1/4	0.4-4.3	3.5-38	1.8-4.3	15.9-38.0	0.82	1.81	6.5	13.8	1/8	6	1/4
A	SBP047-T550-S4Q	1462174	550	1/4	0.4-4.7	3.5-41.6	1.8-4.7	15.9-41.5	0.82	1.81	6.5	13.8	1/8	6	1/4

TRIGGER START

A	SCBP043-T1100-S4Q	1466354	1100	1/4	0.4-4.3	3.5-38	1.8-4.3	15.9-38	0.82	1.81	6.5	13.8	1/8	6	1/4
A	SCBP044-T740-S4Q	1466344	740	1/4	0.4-4.4	3.5-39	1.8-4.4	15.9-39	0.82	1.81	6.5	13.8	1/8	6	1/4
A	SCBP047-T550-S4Q	1466334	550	1/4	0.4-4.7	3.5-41.6	1.8-4.7	15.9-41.6	0.82	1.81	6.5	13.8	1/8	6	1/4
B	SCP021-T1600-S4Q	1456744	1600	1/4	0.4-2.1	3.5-18.6	0.6-2.1	5.3-18.6	0.86	1.89	6.5	13.8	1/8	6	1/4
B	SCP043-T1100-S4Q	1456754	1100	1/4	0.4-4.3	3.5-38	0.9-4.3	7.9-38	0.86	1.89	6.5	13.8	1/8	6	1/4
B	SCP047-T550-S4Q	1456764	550	1/4	0.4-4.7	3.5-41.6	0.9-4.7	7.9-41.6	0.86	1.89	6.5	13.8	1/8	6	1/4
C	SDP035-T2100-S4Q	1465564	2100	1/4	1.0-3.5	8.9-31	1.0-3.5	8.9-31	0.9	1.98	9.0	19.1	1/4	10	3/8
C	SDP055-T1400-S4Q	1465554	1400	1/4	1.0-5.5	8.9-48.7	1.0-5.5	8.9-48.7	1.0	2.20	9.0	19.1	1/4	10	3/8
C	SDP075-T1050-S4Q	1465544	1050	1/4	0.6-7.5	5.3-66.4	2.5-7.5	22.1-66.4	1.0	2.20	9.0	19.1	1/4	10	3/8
C	SDP100-T780-S4Q	1465534	780	1/4	0.6-10	5.3-88.5	3.5-10	31.0-88.5	1.0	2.20	9.0	19.1	1/4	10	3/8
C	SDP140-T490-S4Q	1465524	490	1/4	0.6-14	5.3-124	3.5-10	31.0-88.5	1.0	2.20	9.0	19.1	1/4	10	3/8
C	SDP160-T300-S4Q	1465514	300	1/4	0.6-16	5.3-142	3.5-10	31.0-88.5	1.0	2.20	9.0	19.1	1/4	10	3/8
C	SDP045-T180-S4Q	205 146 706 4	180	1/4	1.5-4.5	13.3-39.8	1.5-4.5	13.3-39.8	1.0	2.20	9.0	19.1	1/4	10	3/8
D	SDT035-T1100-S4Q	205 147 623 4	1100	1/4	1.0-3.5	8.9-31	1.0-3.5	8.9-31	1.0	2.20	9.0	19.1	1/4	10	3/8
D	SDT035-T2200-S4Q	1465774	2200	1/4	1.0-3.5	8.9-31	1.0-3.5	8.9-31	1.1	2.42	9.0	19.1	1/4	10	3/8
D	SDT055-T1470-S4Q	1465764	1470	1/4	2.0-5.5	17.7-48.7	2.0-5.5	17.7-48.7	1.1	2.42	9.0	19.1	1/4	10	3/8
D	SDT075-T1100-S4Q	1465754	1100	1/4	2.5-7.5	22.1-66.4	2.5-7.5	22.1-66.4	1.1	2.42	9.0	19.1	1/4	10	3/8
D	SDT100-T820-S4Q	1465744	820	1/4	3.5-10	31.0-88.5	3.5-10	31.0-88.5	1.1	2.42	9.0	19.1	1/4	10	3/8
D	SDT140-T510-S4Q	1465734	510	1/4	3.5-14	31.0-124	3.5-10	31.0-88.5	1.1	2.42	9.0	19.1	1/4	10	3/8
D	SDT160-T320-S4Q	1465724	320	1/4	3.5-16	31.0-142	3.5-10	31.0-88.5	1.1	2.42	9.0	19.1	1/4	10	3/8

PUSH START, TOP AIR INLET

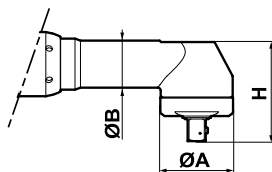
E	SCPT021-A2300-S4Q	1458974	2300	1/4	0.4-2.1	3.5-18.6	0.4-0.9	3.5-7.9	0.86	1.89	6.5	13.8	1/8	6	1/4
E	SCPT043-A1100-S4Q	1458894	1100	1/4	0.4-4.3	3.5-38	0.9-4.3	7.9-38.0	0.86	1.89	6.5	13.8	1/8	6	1/4
E	SCPT047-A550-S4Q	1458854	550	1/4	0.4-4.7	3.5-41.6	0.9-4.7	7.9-41.6	0.86	1.89	6.5	13.8	1/8	6	1/4

SH range - Angle head - Shut off

2.5 to 200 Nm (22.1 to 1770 in.lb) - 80 to 1100 rpm



Option:
Reaction bar for SH850/1200/2000



PRODUCTIVITY

- High speed with joint stiffness capability

QUALITY

- High accuracy with immediate shut off
- Improve your process quality with FAS3000

ERGONOMY

- Low reaction force on hard joint

DURABILITY

- Low frequency maintenance
- Quick service time



MODEL	ANGLE HEAD DIMENSIONS					
	ØA		ØB		H	
	mm	in.	mm	in.	mm	in.
SH70	20	0.79	20	0.79	36.6	1.44
SH150	22	0.87	21	0.83	35.2	1.38
SH200	27	1.06	27	1.06	45.5	1.79
SH280	27	1.06	24	0.94	41.5	1.63
SH420	40	1.57	29	1.10	56.5	2.20
SH500	40	1.57	29	1.10	56.5	2.20
SH700	40	1.57	29	1.10	56.5	2.20
SH850	51	2.00	33	1.30	69.5	2.70
SH1200	51	2.00	33	1.30	69.5	2.70
SH2000	51	2.00	33	1.30	69.5	2.70



ACCESSORIES
see page 138

PIC REF	MODEL	PART NUMBER	BOLT SIZE	FREE SPEED	SQUARE DRIVE	TORQUE RANGE		LENGTH		WEIGHT		AIR FLOW		AIR INLET	HOSE INT. Ø	
			mm	rpm	in	Nm	in.lb	mm	in.	kg	lb.	l/s	cfm	in.	mm	in.
A	SH70-LR1100-S90-A4S	205 147 628 4	M5	1100	1/4	2.5-7	22.1-61.9	334	13.1	1.3	2.9	8	17	1/4	8	5/16
B	SH150-LR580-S90-A10S	205 147 629 4	M6	560	3/8	7-15	61.9-44.2	349	13.7	1.4	3.1	10	21	1/4	10	3/8
B	SH200-LR550-S90-A10S	205 147 630 4	M6	530	3/8	10-19	88.5-168	355	14.0	1.4	3.1	10	21	1/4	10	3/8
B	SH280-LR350-S90-A10S	205 147 631 4	M8	340	3/8	14-28	124-248	350	13.8	1.4	3.1	10	21	1/4	10	3/8
B	SH280-LR80-S90-A10S	205 147 632 4	M8	80	3/8	14-28	124-248	350	13.8	1.4	3.1	10	21	1/4	10	3/8
C	SH420-LR400-S90-A10S	205 147 800 4	M10	400	3/8	20-42	177-372	436	17.2	2.0	4.4	16	34	1/4	10	3/8
C	SH500-LR330-S90-A13S	205 147 473 4	M10	330	1/2	25-50	221-442	453	17.8	2.2	4.8	16	34	1/4	10	3/8
D	SH700-LR225-S90-A13S	205 147 474 4	M10-M12	225	1/2	34-70	301-619	487	19.2	2.4	5.3	16	34	1/4	10	3/8
D	SH850-LR190-S90-A13S	205 147 475 4	M12	190	1/2	40-85	354-752	530	20.8	2.8	6.1	16	34	1/4	10	3/8
E	SH1200-LR215-S90-A13S	205 147 476 4	M12-M14	215	1/2	70-120	354-1062	590	23.2	3.5	7.6	28	59	1/2	13	1/2
E	SH2000-LR100-S90-A13S	205 147 801 4	M12-M14	100	1/2	115-200	1018-1770	608	23.9	4.4	9.7	28	59	1/2	13	1/2

Angle Head - Shut off

0.4 to 27 Nm (3.5 to 239 in.lb) - 170 to 2200 rpm



A



B



C



ACCESSORIES
see page 138

PIC REF	MODEL	PART NUMBER	FREE SPEED	OUTPUT DRIVE	TORQUE RANGE		FITTED SPRING		LENGTH		WEIGHT		AIR FLOW		AIR INLET	HOSE INT. Ø	
			rpm	in.	Nm	in.lb	Nm	in.lb	mm	in.	kg	lb.	l/s	cfm	in.	mm	in.

TWO WAY

A	SC043-L950-S90A4S	1459134	950	1/4 sq	0.4-4.3	3.5-38	0.9-4.3	7.9-38	275	10.8	0.84	1.85	6.5	13.8	1/8	6	1/4
A	SC047-L500-S90A4S	1459124	500	1/4 sq	0.4-4.7	3.5-41.5	0.9-4.7	7.9-41.5	275	10.8	0.84	1.85	6.5	13.8	1/8	6	1/4
B	SC043-L950-S90A4H	1459054	950	1/4 hex	0.4-4.3	3.5-38	0.9-4.3	7.9-38	275	10.8	1.12	2.47	6.5	13.8	1/8	6	1/4
B	SC047-L500-S90A4H	1459044	500	1/4 hex	0.4-4.7	3.5-41.5	0.9-4.7	7.9-41.5	275	10.8	1.12	2.47	6.5	13.8	1/8	6	1/4
C	SD072-LB1080-S90-A10S	1463504	1080	3/8 sq	2.5-7.2	22-63.7	2.5-7.2	22-63.7	353	13.9	1.41	3.11	8.7	18.4	1/4	10	3/8
C	SD095-LB800-S90-A10S	1463494	800	3/8 sq	3-9.5	26.6-84.1	3-9.5	26.6-84.1	353	13.9	1.41	3.11	8.7	18.4	1/4	10	3/8
C	SD130-LB600-S90-A10S	1463484	600	3/8 sq	4.5-12	39.8-106	4.5-12	39.8-106	353	13.9	1.41	3.11	8.7	18.4	1/4	10	3/8
C	SD209-LB370-S90-A10S	1463474	370	3/8 sq	11-19	97.3-168	6-19	53.1-168	376	14.8	1.50	3.31	8.7	18.4	1/4	10	3/8
C	SD300-LB250-S90-A10S	1463464	250	3/8 sq	11-27	97.3-239	11-27	97.3-239	376	14.8	1.50	3.31	8.7	18.4	1/4	10	3/8
C	SD072-LR1080-S90-A10S	1463554	1080	3/8 sq	2.5-7.2	22-63.7	2.5-7.2	22-63.7	376	14.8	1.41	3.11	8.7	18.4	1/4	10	3/8
C	SD095-LR800-S90-A10S	1463544	800	3/8 sq	3-9.5	26.6-84.1	3-9.5	26.6-84.1	376	14.8	1.41	3.11	8.7	18.4	1/4	10	3/8
C	SD130-LR600-S90-A10S	1463534	600	3/8 sq	4.5-12	39.8-106	4.5-12	39.8-106	376	14.8	1.41	3.11	8.7	18.4	1/4	10	3/8
C	SD209-LR370-S90-A10S	1463524	370	3/8 sq	11-19	97.3-168	6-19	53.1-168	376	14.8	1.41	3.11	8.7	18.4	1/4	10	3/8
C	SD300-LR250-S90-A10S	1463514	250	3/8 sq	11-27	97.3-239	11-27	97.3-239	376	14.8	1.50	3.31	8.7	18.4	1/4	10	3/8
C	SD300-LR180-S90-A10S	205 146 704 4	180	3/8 sq	11-27	97.3-239	11-27	97.3-239	375	14.8	1.50	3.30	8.7	18.4	1/4	10	3/8



Screwdrivers - Non Shut off - Push and Lever start

0.6 to 10 Nm (5.3 to 88.5 in.lb) - 510 to 3500 rpm



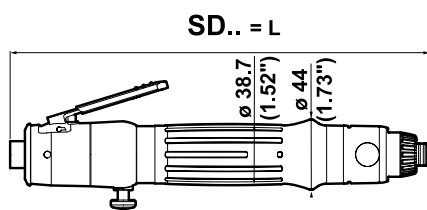
A



B



C



Model	L mm (in.)
SD023..3500	252 (9.92)
SD035..2200	252 (9.92)
SD055..1470	278 (10.9)
SD075..1100	278 (10.9)
SD100..820	278 (10.9)
SD100..510	278 (10.9)



ACCESSORIES
see page 136

PIC REF	MODEL	PART NUMBER	FREE SPEED	OUTPUT HEX	TORQUE RANGE		FITTED SPRING		WEIGHT		AIR FLOW		AIR INLET	HOSE INT.Ø	
			rpm	in.	Nm	in.lb	Nm	in.lb	kg	lb.	l/s	cfm	in.	mm	in.

PUSH START

A	SD035-AB2200-R4Q	1462944	2200	1/4	1.0-3.5	8.9-31.0	1.0-3.5	8.9-31.0	0.73	1.61	8.7	18.4	1/4	10	3/8
A	SD055-AB1470-R4Q	1462934	1470	1/4	0.6-5.5	5.3-48.7	2.0-5.5	17.7-48.7	0.89	1.96	8.7	18.4	1/4	10	3/8
A	SD075-AB1100-R4Q	1462924	1100	1/4	0.6-7.5	5.3-66.4	2.5-7.5	22.1-66.4	0.89	1.96	8.7	18.4	1/4	10	3/8

LEVER START

B	SD055-LB1470-R4Q	1463194	1470	1/4	0.6-5.5	5.3-48.7	2.0-5.5	17.7-48.7	0.92	2.03	8.7	18.4	1/4	10	3/8
B	SD075-LB1100-R4Q	1463184	1100	1/4	0.6-7.5	5.3-66.4	2.5-7.5	22.1-66.4	0.92	2.03	8.7	18.4	1/4	10	3/8
B	SD100-LB820-R4Q	1463174	820	1/4	0.6-10	5.3-88.5	3.5-10	31.0-88.5	0.92	2.03	8.7	18.4	1/4	10	3/8
B	SD100-LB510-R4Q	1463164	510	1/4	0.6-10	5.3-88.5	3.5-10	31.0-88.5	0.92	2.03	8.7	18.4	1/4	10	3/8
C	SD023-LR3500-R4Q	1463154	3500	1/4	1.0-2.3	8.9-20.3	1.0-2.3	8.9-20.3	0.76	1.67	8.7	18.4	1/4	10	3/8

Screwdrivers - Non Shut Off - Pistol Grip

0.4 to 10 Nm (3.5 to 88.5 in.lb) - 300 to 3500 rpm



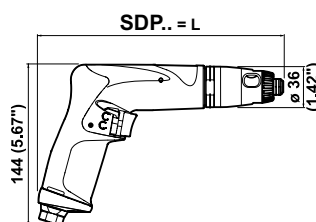
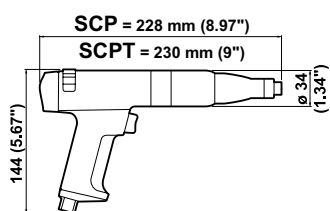
A



B



C



Model	L mm (in.)
SDP023-T3400	222 (8.74)
SDP035-T2100	222 (8.74)
SDP055-T1400	248 (9.76)
SDP075-T1050	248 (9.76)
SDP100-T780	248 (9.76)
SDP100-T490	248 (9.76)
SDP100-T300	248 (9.76)



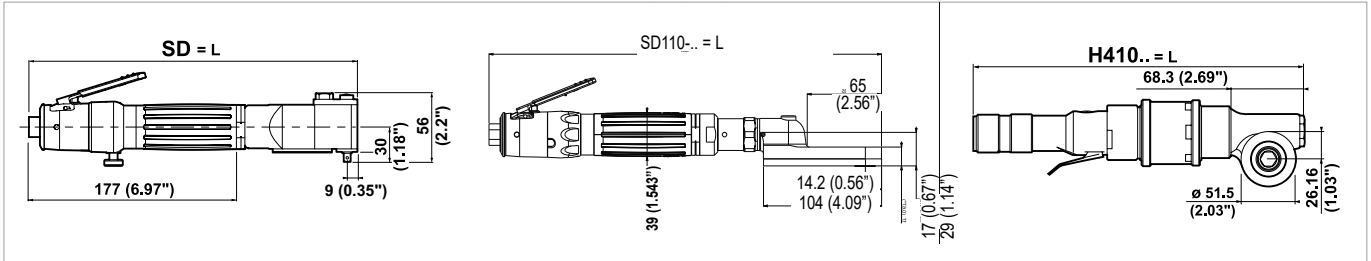
ACCESSORIES
see page 136

PIC REF	MODEL	PART NUMBER	FREE SPEED	OUTPUT HEX	TORQUE RANGE		FITTED SPRING		WEIGHT		AIR FLOW		AIR INLET	HOSE INT.Ø	
			rpm	in.	Nm	in.lb	Nm	in.lb	kg	lb.	l/s	cfm	in.	mm	in.
TRIGGER START															
A	SCP044-T1100-R4Q	1456794	1100	1/4	0.4-4.4	3.5-38.9	1.3-4.4	11.5-38.9	0.86	1.89	6.5	13.8	1/8	6	1/4
A	SCP044-T550-R4Q	1456804	550	1/4	0.4-4.4	3.5-38.9	1.0-4.4	8.9-38.9	0.86	1.89	6.5	13.8	1/8	6	1/4
B	SDP035-T2100-R4Q	1465634	2100	1/4	1.0-3.5	8.8-31.0	1.0-3.5	8.9-31.0	0.90	1.98	9.0	19.1	1/4	10	3/8
B	SDP055-T1400-R4Q	1465624	1400	1/4	1.0-5.5	8.8-48.6	1.0-5.5	8.9-48.6	1.00	2.20	9.0	19.1	1/4	10	3/8
B	SDP075-T1050-R4Q	1465614	1050	1/4	0.6-7.5	5.3-66.3	2.5-7.5	22.1-66.3	1.00	2.20	9.0	19.1	1/4	10	3/8
B	SDP100-T780-R4Q	1465604	780	1/4	0.6-10	5.3-88.5	3.5-10	31.0-88.5	1.00	2.20	9.0	19.1	1/4	10	3/8
B	SDP100-T490-R4Q	1465594	490	1/4	0.6-10	5.3-88.5	3.5-10	31.0-88.5	1.00	2.20	9.0	19.1	1/4	10	3/8
B	SDP100-T300-R4Q	1465584	300	1/4	0.6-10	5.3-88.5	3.5-10	31.0-88.5	1.00	2.20	9.0	19.1	1/4	10	3/8
PUSH START, TOP AIR INLET															
C	SCPT022-A1600-R4Q	1458954	1600	1/4	0.5-2.2	4.4-19.4	0.8-2.2	7.1-19.4	0.86	1.89	6.5	13.8	1/8	6	1/4



Angle Head - Direct drive

1.5 to 105 Nm (13.3 to 929 in.lb) - 60 to 800 rpm



SD - Stall Torque (Nm) Setting using Regulator Part No. 81223



ACCESSORIES
see page 138

MODEL	REGULATOR POSITION						
	1	2	3	4	5	6	OPEN
INLET PRESSURE - 6.3 BAR							
SD130-LB500-D90-A4S	3.2	3.5	5.3	7.0	10.0	12.5	13.0
SD096-LB800-D90-A4S	2.6	2.8	4.0	5.5	7.3	9.0	9.6
INLET PRESSURE - 4.0 BAR							
SD130-LB500-D90-A4S	2.0	2.7	3.0	4.2	6.0	8.2	9.0
SD096-LB800-D90-A4S	1.5	1.7	2.5	3.0	4.5	5.5	6.0

H410 - Stall Torque (Nm) Setting using a Typical Regulator

MODEL	REGULATOR POSITION									
	10 %	20 %	30 %	40 %	50 %	60 %	70 %	80 %	90 %	OPEN
INLET PRESSURE - 6.3 BAR										
H410-N-500	3	6	9	12	15	18	21	24	27	30
H410-N-350	5	9	14	18	23	27	32	36	41	45
H410-N-150	8	16	24	32	40	48	56	64	72	80
H410-N-90	16	32	48	63	79	95	-	-	-	-
H410-N-60	20	40	60	80	-	-	-	-	-	-
INLET PRESSURE - 4.0 BAR										
H410-N-500	2	4	6	8	9	11	13	15	17	19
H410-N-350	3	6	9	11	14	17	20	23	26	28
H410-N-150	5	10	15	20	25	30	35	40	45	50
H410-N-90	10	20	30	40	50	60	70	80	90	100
H410-N-60	4	30	45	60	75	90	105	-	-	-

Maximum stall torque 105Nm

Performance will differ from the figures above depending on the regulator used

Data obtained from a lubricated air line

Torque figures are to be used as a guide only

* Must never be used without regulator with a pressure higher than 4 bars

** Must never be used without regulator with a pressure higher than 2 bars

H410-N – When using direct drive screwdrivers, it is strongly advised to equip the machines with a reaction bar to compensate against potentially high torque reaction and avoid operator injury

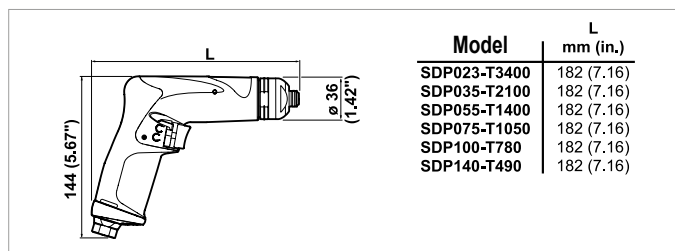
PIC REF	MODEL	PART NUMBER	FREE SPEED	OUTPUT DRIVE	TORQUE RANGE		LENGTH L		WEIGHT		AIR FLOW		AIR INLET	HOSE INT. Ø	
					Nm	in.lb	mm	in.	kg	lb.	l/s	cfm		in.	mm
A	SD130-LB500-D90-A4S	1465974	500	1/4 sq	2-13	17.7-115	326	12.8	1.08	2.38	8.7	18.4	1/4	10	3/8
B	SD110-LX450	205 148 131 4	450	0.445 hex	1.5-11.8	13.3-104	346	13.6	1.34	2.95	8.5	18.0	1/4	10	1/4
C	H410-N-500	1302374	500	0.525 hex	3-30	26.6-265	319	12.6	1.70	3.74	17.9	37.9	3/8	12	1/2
C	H410-N-350	1302454	350	0.525 hex	4.5-45	39.8-398	319	12.6	1.70	3.74	17.9	37.9	3/8	12	1/2
C	H410-N-150	1302534	150	0.525 hex	8-80	70.8-708	358	14.1	2.00	4.41	17.9	37.9	3/8	12	1/2
C	H410-N-90*	1302614	90	0.525 hex	10-105	88.5-929	358	14.1	2.00	4.41	13.2	27.9	3/8	12	1/2
C	H410-N-60**	1302794	60	0.525 hex	10-105	88.5-929	358	14.1	2.00	4.41	13.2	27.9	3/8	12	1/2

Screwdrivers - Direct drive Pistol grip

1 to 14 Nm (8.9 to 124 in.lb) - 490 to 3400 rpm



A



ACCESSORIES
see page 137

PIC REF	MODEL	PART NUMBER	FREE SPEED	OUTPUT HEX	TORQUE RANGE		WEIGHT		AIR FLOW		AIR INLET	HOSE INT. Ø	
			rpm	in.	Nm	in.lb	kg	lb.	l/s	cfm	in.	mm	in.
A	SDP035-T2100-D4Q	1465704	2100	1/4	1.0-3.5	8.9-31.0	0.8	1.76	9.0	19.1	1/4	10	3/8
A	SDP055-T1400-D4Q	1465694	1400	1/4	1.0-5.5	8.9-48.6	0.8	1.76	9.0	19.1	1/4	10	3/8
A	SDP075-T1050-D4Q	1465684	1050	1/4	3.5-7.5	31-66.3	0.8	1.76	9.0	19.1	1/4	10	3/8
A	SDP100-T780-D4Q	1465674	780	1/4	3.5-10	31-88.5	0.8	1.76	9.0	19.1	1/4	10	3/8
A	SDP140-T490-D4Q	1465664	490	1/4	3.5-14	31-124	0.8	1.76	9.0	19.1	1/4	10	3/8

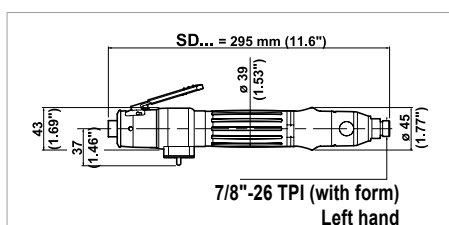
Screwdrivers - Left hand tightening - Shut off Push start Automatic reverse

0.6 to 16 Nm (5.3 to 142 in.lb) - 320 to 1100 rpm



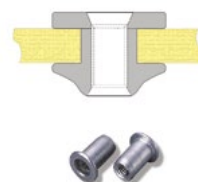
A

Tool shown with optional clutch HSG and bit adaptor

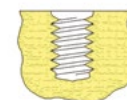


APPLICATIONS

Placement of
Threaded
Fasteners



Tapping in
Blind Holes



Clearing Tapped
Holes after
Painting or
Coating



ACCESSORIES
see page 136

PIC REF	MODEL	PART NUMBER	FREE SPEED	OUTPUT HEX	TORQUE RANGE		FITTED SPRING		WEIGHT		AIR FLOW		AIR INLET	HOSE INT. Ø	
			rpm	in.	Nm	in.lb	Nm	in.lb	kg	lb.	l/s	cfm	in.	mm	in.
A	SD140-LA510-S4	1464584	510	See	0.6-14	5.3-124	-	-	1.0	2.2	8.7	18.4	1/4	10	3/8
A	SD075-LA1100-S4	1464604	1100	Accessories	0.6-7.5	5.3-66.4	-	-	1.0	2.2	8.7	18.4	1/4	10	3/8

AUTOMATIC REVERSE

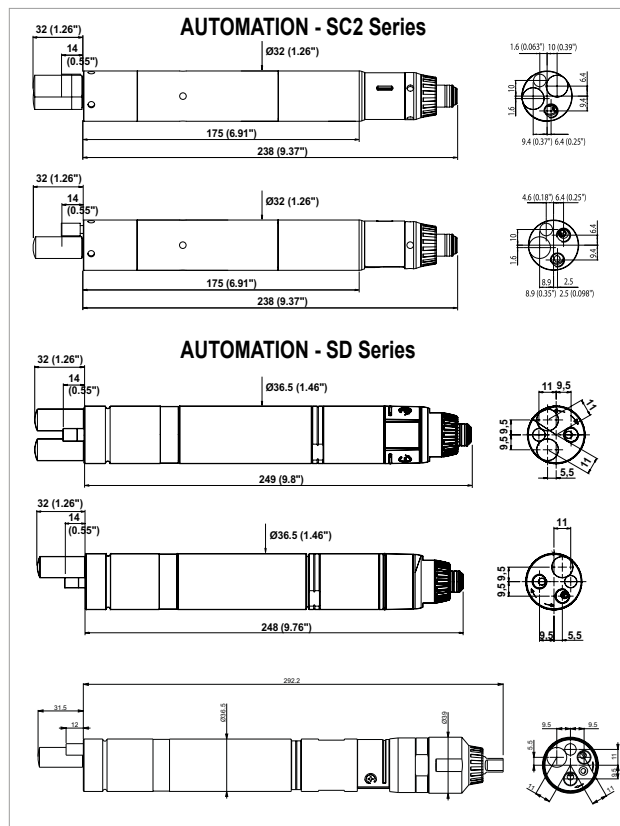


Torque Controlled - Shut Off

0.5 to 16 Nm (4.4 to 142 in.lb) - 320 to 3500 rpm



M5 Port provides signal while tool is running
The signal stops when the clutch operates



ACCESSORIES
see page 139

PIC REF	MODEL	PART NUMBER	FREE SPEED	OUTPUT DRIVE	TORQUE RANGE		FITTED SPRING		WEIGHT		AIR FLOW		AIR INLET		HOSE INT. Ø	
			rpm	in.	Nm	in.lb	Nm	in.lb	kg	lb.	l/s	cfm	in.	mm	in.	

AUTOMATION - PUSH START - SHUT OFF - 1 WAY

A	SC2-025-1AM2200-S4Q	205 147 426 4	2150	1/4 Hex	0.5-2.5	4.4-22	0.5-2.5	4.4-22.1	0.64	1.41	7	14.8	1/8	6	1/4	
A	SC2-035-1AM1500-S4Q	205 147 425 4	1450	1/4 Hex	0.5-3.5	4.4-30.8	1.7-3.5	15-30.9	0.64	1.41	7	14.8	1/8	6	1/4	
A	SC2-045-1AM1000-S4Q	205 147 424 4	1000	1/4 Hex	0.5-4.5	4.4-39.6	1.7-4.5	15-39.8	0.64	1.41	7	14.8	1/8	6	1/4	
A	SC2-055-1AM700-S4Q	205 147 423 4	670	1/4 Hex	0.5-5.5	4.4-48.4	3-5.5	26.5-48.6	0.64	1.41	7	14.8	1/8	6	1/4	
A	SC2-065-1AM500-S4Q	205 147 422 4	470	1/4 Hex	0.5-6.5	4.4-57.2	3-6.5	26.5-57.5	0.64	1.41	7	14.8	1/8	6	1/4	

AUTOMATION - REMOTE START - SHUT OFF - 2 WAY

B	SC2-025-2RM2200-S4Q	205 147 440 4	2150	1/4 Hex	0.5-2.5	4.4-22	0.5-2.5	4.4-22.1	0.64	1.41	7	14.8	1/8	6	1/4	
B	SC2-035-2RM1500-S4Q	205 147 439 4	1450	1/4 Hex	0.5-3.5	4.4-30.8	1.7-3.5	15-30.9	0.64	1.41	7	14.8	1/8	6	1/4	
B	SC2-045-2RM1000-S4Q	205 147 438 4	1000	1/4 Hex	0.5-4.5	4.4-39.6	1.7-4.5	15-39.8	0.64	1.41	7	14.8	1/8	6	1/4	
B	SC2-055-2RM700-S4Q	205 147 437 4	670	1/4 Hex	0.5-5.5	4.4-48.4	3-5.5	26.5-48.6	0.64	1.41	7	14.8	1/8	6	1/4	
B	SC2-065-2RM500-S4Q	205 147 436 4	470	1/4 Hex	0.5-6.5	4.4-57.2	3-6.5	26.5-57.5	0.64	1.41	7	14.8	1/8	6	1/4	

AUTOMATION - PUSH START - SHUT OFF - 1 WAY

C	SD035-1AM2200-S4Q	1464244	2200	1/4 Hex	1.0-3.5	8.8-31	1.0-3.5	8.8-30.9	0.92	2.03	8.7	18.4	1/8	10	3/8	
C	SD055-1AM1470-S4Q	1464234	1470	1/4 Hex	2.0-5.5	18-48.7	2.0-5.5	18-48.7	0.92	2.03	8.7	18.4	1/8	10	3/8	
C	SD075-1AM1100-S4Q	1464224	1100	1/4 Hex	2.5-7.5	22-66.4	2.5-7.5	22-66.4	0.92	2.03	8.7	18.4	1/8	10	3/8	
C	SD100-1AM820-S4Q	1464214	820	1/4 Hex	3.5-10	31-88.5	3.5-10	31-88.5	0.92	2.03	8.7	18.4	1/8	10	3/8	
C	SD140-1AM510-S4Q	1464204	510	1/4 Hex	3.5-14	31-124	3.5-10	31-88.5	0.92	2.03	8.7	18.4	1/8	10	3/8	
C	SD160-1AM320-S4Q	1464194	320	1/4 Hex	3.5-16	31-142	3.5-10	31-88.5	0.92	2.03	8.7	18.4	1/8	10	3/8	

AUTOMATION - REMOTE START - SHUT OFF - 2 WAY

D	SD035-2RM2200-S4Q	1464314	2200	1/4 Hex	1.0-3.5	8.8-31	1.0-3.5	8.8-30.9	0.92	2.03	8.7	18.4	1/8	10	3/8	
D	SD055-2RM1470-S4Q	1464304	1470	1/4 Hex	2.0-5.5	18-48.7	2.0-5.5	18-48.7	0.92	2.03	8.7	18.4	1/8	10	3/8	
D	SD075-2RM1100-S4Q	1464294	1100	1/4 Hex	2.5-7.5	22-66.4	2.5-7.5	22-66.4	0.92	2.03	8.7	18.4	1/8	10	3/8	
D	SD100-2RM820-S4Q	1464284	820	1/4 Hex	3.5-10	31-88.5	3.5-10	31-88.5	0.92	2.03	8.7	18.4	1/8	10	3/8	
D	SD140-2RM510-S4Q	1464274	510	1/4 Hex	3.5-14	31-124	3.5-10	31-88.5	0.92	2.03	8.7	18.4	1/8	10	3/8	
D	SD160-2RM320-S4Q	1464264	320	1/4 Hex	3.5-16	31-142	3.5-10	31-88.5	0.92	2.03	8.7	18.4	1/8	10	3/8	
E	SD220-2RM320-S4Q	205 147 939 4	320	1/4 Hex	9-16	27-142	9-16	27-142	1.4	3.1	8.7	18.4		10	3/8	
E	SD220-2RM320-S10S	205 147 941 4	320	3/8 Sq	9-22	27-198	9-19	27-168	1.4	3.1	8.7	18.4		10	3/8	



Accessories

STRAIGHT - PUSH START & LEVER START

ACCESSORIES INCLUDED

ITEM	SB	SC2	SD
• Suspension bail(s)	443703	205 049 537 3	467003
• Suspension bail internal		205 051 289 3	
• Exhaust hose	443723	205 049 584 3	467073
• Clutch adjustment keys	446583	205 050 785 3	29932
1 Short lever (lever start model)		205 052 020 3	
2 Rings identification		205 049 590 3	
3 Side handle assembly			467033

OPTIONAL ACCESSORIES

ITEM	SB	SC2	SD
3 Side handle assembly		205 052 175 3	
• Double-ended bit holder		205 052 883 3	465523

Balancers & Tool Holster

4 Spring suspension balancer	50522	50522	52862
5 Hose reel balancer	50552	50552	50562
6 Tool holster DTH-42	107892	107892	107892

Bench Stands (for more information, see pages 153-163)

7 D53-25 Linear arm (tool clamp included)	615 810 702 0	615 810 702 0	615 810 702 0
7 D53-25X Linear arm (tool clamp included)	615 810 703 0	615 810 703 0	615 810 703 0
8 D53-25S Folder arm (tool clamp included)	615 810 708 0	615 810 708 0	615 810 708 0
9 D57 Balancing arm	408903	408903	408903
• Tool clamp	615 396 614 0	615 396 614 0	615 396 614 0
9 D57X Balancing arm	408913	408913	408913
• Tool clamp	615 396 614 0	615 396 614 0	615 396 614 0
10 D58 Balancing arm	408923	408923	408923
• Tool clamp	615 396 614 0	615 396 614 0	615 396 614 0
11 TRA12 / TRA25 Telescopic reaction arm		(see page 156)	
12 TT10 / TT25 Torque Tube Arm		(see page 159)	

Vacuum Pick Up - Order Pick Up kit, Finder Sleeve & Vacuum Source

13 Vacuum pick up kit (spring only for 2A89)	108892		108892
14 Finder sleeve blank - plastic	464093		464093
• Finder sleeve blank - steel	464103		464103
15 Vacuum source AV201 for use with filter/regulator unit			112063

Miscellaneous

16 Offset exhaust			205 047 623 3
• Clutch case 7/8" LH thread 320-1470 rpm			205 047 478 3
• Clutch case 7/8" LH thread 2200-3500 rpm			205 047 479 3
• Clutch case without thrust bump, M20x1.0LH thread 320-1470 rpm			465463
• Clutch case without thrust bump, M20x1.0LH thread 2200-3500 rpm			465443

PISTOL GRIP

ACCESSORIES INCLUDED

	SCBP	SBP	SCP SCPT	SDP SDT
• Suspension bail(s)	307683	307683	307683	473153
• Side handle (320 & 1470 rpm)				467033
• Clutch adjustment keys (320 - 1470 rpm)	205 047 988 3	446583	29932	29932
• Clutch adjustment keys (2200 - 3500 rpm)				467293

OPTIONAL ACCESSORIES

ITEM	SBP SCBP	SCP SCPT	SDP SDT
Balancers & Holster			
1 Spring suspension balancer	52862	52862	52862
2 Hose reel balancer	50552	50552	50562
• Hose reel balancer conversion kit	107403	107403	115193
3 Tool holster DTH-90	615 812 119 0	615 812 119 0	615 812 119 0
Bench Stands (for more information, see pages 172-173)			
4 D59 Pantographic arm	408933	408933	408933
Miscellaneous			
5 Side handle	70442	70442	467033

DIRECT DRIVE

ACCESSORIES INCLUDED

	SDP	SD	H410
• Suspension bail(s)	473153	467003	
• Side handle	467033		
• Exhaust hose		467073	

OPTIONAL ACCESSORIES

ITEM	SDP	SD	H410
• Air flow regulator	81223	81223	
Balancers & Holster			
1 Spring suspension balancer	52862	50532	50542
2 Hose reel balancer	50562	50562	
3 Tool holster DTH-42	107892		
4 Tool holster DTH-90		615 812 119 0	
Suspension Shackle			
5 Suspension shackle		70082	615 571 050 0
• Swivel suspension shackle			615 396 229 0
Bench Stands (for more information, see pages 172-173)			
6 D59 Pantographic arm	408933		
Miscellaneous			
7 Side handle	467033		
• Offset exhaust		205 047 623 3	
• Square drive adaptor 3/8" Square drive, 48mm (1.89") long			14422
• Square drive adaptor 1/2" Square drive, 46mm (1.81") long			14442
• Square drive adaptor 1/2" Square drive, 76mm (2.99") long			14482
• Exhaust collector			72163



AUTO REVERSE

ACCESSORIES INCLUDED

	SD
• Suspension bail(s)	467003
• Side handle	467033
• Clutch adjustment keys	29932

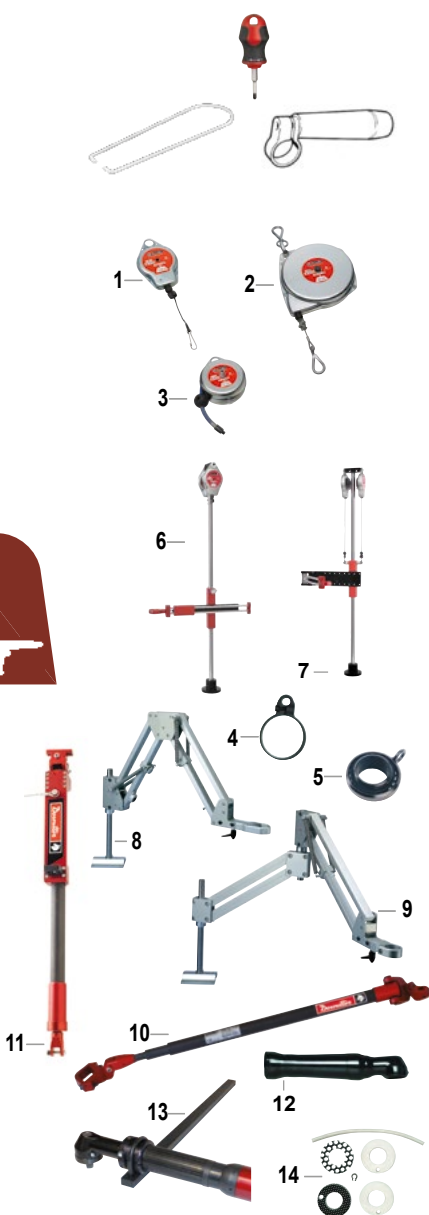
OPTIONAL ACCESSORIES

ITEM	SD
Blind Hole Tapping/ Cleaning - 3 parts Required	
• Bit adaptor*	465513
1 Thread adaptor	96743
2 Chuck capacity 8mm (5/16")	205 053 013 3
Balancers & Tool Holster	
3 Spring suspension balancer	50532
4 Reaction free self-lock balancer	615 813 078 0
5 Tool holster DTH-42	107892
Bench Stands (for more information, see pages 172-173)	
6 D57 Balancing arm	408903
• Tool clamp	615 396 614 0
6 D57X Balancing arm	408913
• Tool clamp	615 396 614 0
7 D58 Balancing arm	408923
• Tool clamp	615 396 614 0
8 TRA25 Telescopic reaction arm	(see page 178)

* To order more clutch cover PN 465453 + washer PN 467113



Accessories



ANGLE HEAD

ACCESSORIES INCLUDED

	SC	SD	SH
• Suspension bail(s)	39433/280893	467003	
• Exhaust hose	396553	467073	
• Adjustment keys	29932	29932	205 050 785 3
• Air hose nipple			205 051 239 3

OPTIONAL ACCESSORIES

ITEM	2D4872	SC	SD	SH
• Exhaust hose for SH70/150/200/280/420/500/700/850				459813
• Exhaust hose for SH1200/2000				205 050 181 3

Balancers & Holster

1 Spring suspension balancer	50532	52862	50532	
1 Spring suspension balancer for SH70/150/200/280				52862
2 Spring suspension balancer for SH420 to SH2000				50052
3 Hose reel balancer	50562	50552	50562	
3 Hose reel balancer for SH70/150/200/280				50562

Suspension Shackle

• Suspension shackle	95842	70082		
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Suspension bails

4 Suspension bail for SH70/150/200/280				205 051 632 3
4 Suspension bail for SH420/500/700/850				205 051 113 3
4 Suspension bail for SH1200/2000				615 396 562 0

Swiveling bails

5 Swiveling bail for SH420/500/750/850				205 051 115 3
5 Swiveling bail for SH1200/2000				205 051 232 3

Bench Stands (for more information, see pages 153-163)

6 D53-25 Linear arm (tool clamp included)	615 810 702 0	615 810 702 0	615 810 702 0	615 810 704 0
6 D53-25X Linear arm, extended reach	615 810 703 0	615 810 703 0	615 810 703 0	
7 D53-25S Folder arm (tool clamp included)	615 810 707 0	615 810 707 0	615 810 707 0	615 810 709 0

Bench Stands (for more information, see pages 172-173)

8 D57 Balancing arm	408903	408903	408903	
• Tool clamp	615 396 614 0	615 396 614 0	615 396 614 0	
8 D57X Balancing arm	408913	408913	408913	
• Tool clamp	615 396 614 0	615 396 614 0	615 396 614 0	
9 D58 Balancing arm	408923	408923	408923	
• Tool clamp	615 396 614 0	615 396 614 0	615 396 614 0	
10 TRA12 / TRA25 Telescopic reaction arm		(see page 156)		
11 TT10 / TT25 Torque Tube Arm		(see page 159)		

Miscellaneous

• Offset exhaust				205 047 623 3
12 Protective cover for SH70/150/200/280				205 011 426 2
12 Protective cover for SH420/500				205 050 182 3
12 Protective cover for SH700/850				205 050 235 3
12 Protective cover for SH1200/2000				205 050 252 3
13 Complete reaction bar kit for SH850/1200/2000				205 051 121 3
14 Reporting kit for SH70 (for connexion with FAS)				205 011 424 2
14 Reporting kit for SH150/200/280 (for connexion with FAS)				205 011 425 2
14 Reporting kit for SH420/500/700/850 (for connexion with FAS)				205 050 175 3
14 Reporting kit for SH1200/2000 (for connexion with FAS)				205 050 176 3



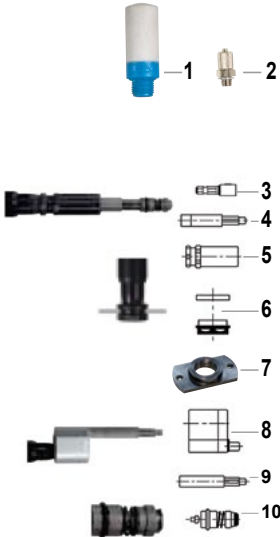
TORQUE CONTROLLED

ACCESSORIES INCLUDED

ITEM		SC2 / SD
1	Muffler	205 045 792 3
2	Straight fitting	205 044 497 3

OPTIONAL ACCESSORIES

ITEM		PART NO.
• Spring Loaded Shats and Bearings Support (including 3, 4, 5)		
3	Bit Adaptor	103782
4	Spring Loaded Shatf 25mm (1")	108342
5	Shaft Support and Nose Mount	108412
6	Nose Mounts	205 052 876 3
7	Flange M20	205 052 875 3
• Offset Head & Spring Loaded shaft (Including 8, 9)		
8	Offset Head , offset 30mm (1.18")	384993
9	Spring Loaded Shaft 25mm (1") stroke	108342
10	3/8" Square to 1/4" Hex Power Adaptor	108322

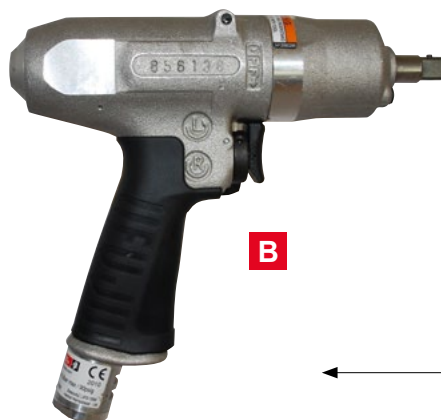


Pulse Tools - Non Shut off and Shut Off range

5 to 172 Nm (3.6 to 127 ft.lb) - 3400 to 6700 rpm



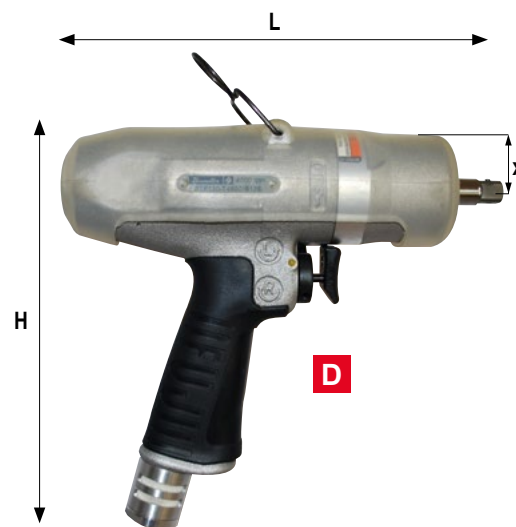
A



B



C



D

Air inlet: All models 1/4" R

PIC REF	MODEL	PART NUMBER	FREE SPEED	OUTPUT DRIVE	TORQUE RANGE		DIMENSIONS						WEIGHT		AIR FLOW		HOSE INT. Ø	
							L		X		H							
			rpm	in.	Nm	ft.lb	mm	in.	mm	in.	mm	in.	kg	lb	l/s	cfm	mm	in.

NON SHUT OFF

A	PTF020-T6700-I4Q	615 172 101 0	6700	1/4 Hex	9-20	6.6-14.7	140	5.5	22	0.87	169	6.6	0.80	1.7	6.0	12.7	6	1/4
A	PTF028-T6300-I4Q	615 172 102 0	6300	1/4 Hex	16-28	11.8-20.7	140	5.5	22	0.87	169	6.6	0.80	1.7	6.7	14.1	6	1/4
A	PTF035-T6700-I4Q	615 172 103 0	6700	1/4 Hex	20-35	14.7-25.8	152	6.0	22	0.87	169	6.6	0.80	1.7	7.0	14.8	10	3/8
B	PTF024-T6700-I10S	615 172 072 0	6700	3/8 Sq	16-24	11.8-17.7	139.5	5.5	22	0.87	165.7	6.5	0.79	1.7	6.0	12.7	6	1/4
B	PTF040-T6300-I10S	615 172 074 0	6300	3/8 Sq	20-40	14.7-29.5	139.5	5.5	22	0.87	165.7	6.5	0.79	1.7	6.7	14.2	10	3/8
B	PTF056-T6700-I10S	615 172 075 0	6700	3/8 Sq	28-56	20.7-41.3	151.5	5.9	22	0.87	165.7	6.5	0.83	1.8	7.0	14.8	10	3/8
B	PTF060-T6100-I10S	615 172 076 0	6100	3/8 Sq	36-60	26.5-44.2	155	6.1	24	0.94	170.0	6.7	1.02	2.2	10.0	21.2	10	3/8
B	PTF096-T4600-I13S	615 172 077 0	4600	1/2 Sq	52-96	38.3-70.8	173	6.8	27	1.06	175.0	6.9	1.45	3.2	10.8	22.9	10	3/8
B	PTF136-T5000-I13S	615 172 078 0	5000	1/2 Sq	80-136	59-100	182.5	7.2	29.5	1.16	186.5	7.3	1.80	4.0	13.3	28.2	10	3/8
B	PTF172-T3800-I13S	615 172 079 0	3800	1/2 Sq	120-172	88-127	191.5	7.6	32	1.26	192.0	7.6	2.10	4.6	14.2	30.1	10	3/8

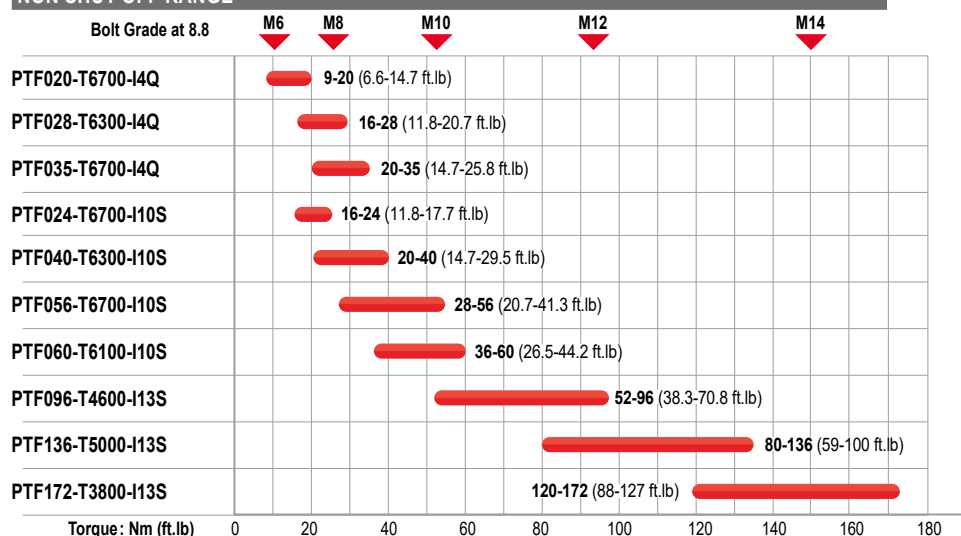
SHUT OFF

A	PTF012-T6200-S4Q	615 172 104 0	6200	1/4 Hex	5-12	3.6-8.8	181	7.1	22	0.87	169	6.6	1.00	2.2	6.7	14.1	6	1/4
A	PTF022-T6500-S4Q	615 172 105 0	6500	1/4 Hex	11-22	8.1-16.2	181	7.1	22	0.87	169	6.6	1.00	2.2	7.5	15.9	6	1/4
A	PTF028-T6300-S4Q	615 172 106 0	6300	1/4 Hex	19-28	14.0-20.5	193	7.6	22	0.87	169	6.6	1.00	2.2	9.2	19.4	10	3/8
C	PTF012-T6200-S10S	615 172 081 0	6200	3/8 Sq	5-12	3.7-8.8	180.5	5.5	22	0.87	164.3	6.5	0.97	2.1	6.7	14.1	6	1/4
C	PTF024-T6500-S10S	615 172 084 0	6500	3/8 Sq	11-24	8.1-17.7	180.5	5.5	22	0.87	164.3	6.5	0.97	2.1	7.5	15.9	10	3/8
C	PTF035-T6300-S10S	615 172 087 0	6300	3/8 Sq	22-35	16.2-25.8	192.5	5.9	22	0.87	164.3	6.5	1.00	2.2	9.2	19.4	10	3/8
D	PTF060-T6100-S10S	615 172 088 0	6100	3/8 Sq	30-55	22.1-40.6	189.5	6.1	24	0.94	169.0	6.7	1.10	2.4	10	21.1	10	3/8
D	PTF085-T4800-S13S	615 172 089 0	4800	1/2 Sq	50-85	36.9-62.7	208.5	6.8	27	1.06	175.0	6.9	1.60	3.5	11.3	24.0	10	3/8
D	PTF130-T4500-S13S	615 172 090 0	4500	1/2 Sq	70-120	51.6-88.5	217.5	7.2	29.5	1.16	186.5	7.3	1.85	4.1	13.3	18.2	10	3/8
D	PTF165-T3400-S13S	615 172 091 0	3400	1/2 Sq	110-155	81-114	227.5	7.6	32	1.26	192.0	7.6	2.10	4.6	14.2	30.0	10	3/8

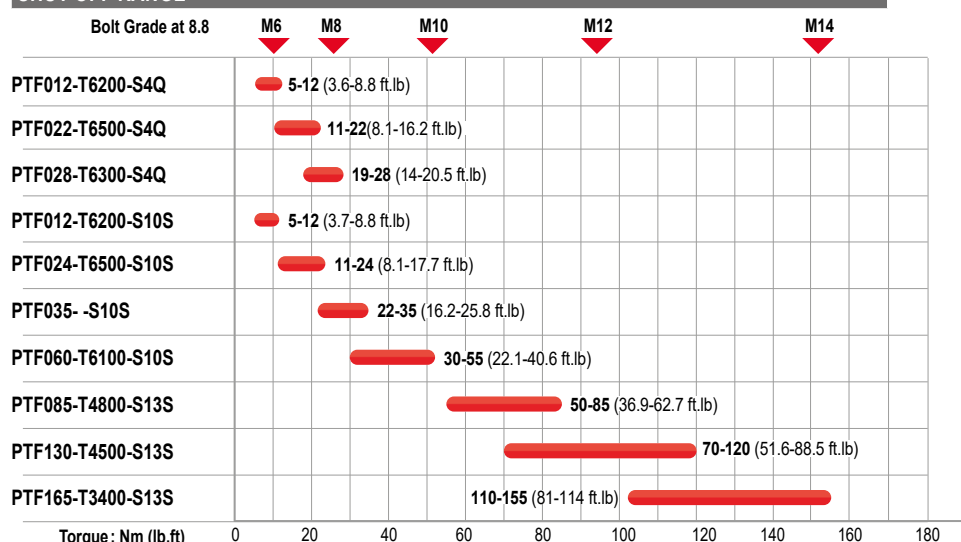
The tool is designed for a working pressure of 6.3 bar 90 PSI.

Pulse Tools - Tool Selection

NON SHUT OFF RANGE



SHUT OFF RANGE



Accessories

ACCESSORIES INCLUDED

	PART NO.
• Air Hose nipple PTF012/024/040	541 205 445 0
• Air Hose nipple (other models)	541 205 445 2
• Suspension bail	541 205 847 4
• Hex pin wrench	-

Pulse Non Shut Off

• Cover protection for PTF020/024/028/040.	541 206 045 6
• Cover protection for PTF060..	541 206 045 8
• Cover protection for PTF056/035.	541 206 045 7
• Cover protection for PTF096..	541 206 045 9
• Cover protection for PTF136..	541 206 046 0
• Cover protection for PTF172..	541 206 046 1

ACCESSORIES INCLUDED

	PART NO.
Pulse Shut Off	
• Cover protection for PTF012/022/024...	541 206 045 0
• Cover protection for PTF035...	541 206 045 1
• Cover protection for PTF060...	541 206 045 2
• Cover protection for PTF085...	541 206 045 3
• Cover protection for PTF130...	541 206 045 4
• Cover protection for PTF165...	541 206 045 5