



**IR Ingersoll Rand**  
90 PSI / 6.2 bar  
US: White House, TN 37188  
EU: Wigan WNG 4EZ, U.K.  
Made in USA Patents Pending

**MaxiCut**  
EN 338 34-670  
9 (1)  
CE  
ASAS  
SANTU  
Patent No. EP 1 808 804  
www.slg-glovesolutions.com

## Air Screwdrivers

Ingersoll Rand offers a full line of production fastening equipment, including air screwdrivers, nutrunners, and fixtured systems in a broad range of configurations. Whether you need a solution for a single, specific application or an entire assembly line, you can trust our century of tool design experience to deliver tools that are durable enough for your toughest high-volume applications, yet still deliver the speed and accuracy you need. Our broad product line offers the flexibility to choose the exact solution to fit your application and maximize your productivity.

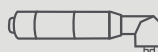


## Air Screwdrivers



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# Air Screwdrivers

## Series Information

### 1 Series

Time-tested design provides repeatable results at an economical price

- Torque range 0.3 to 5.2 Nm
- Speed 500 to 2,800 rpm
- Compact and lightweight
- Coated grip for operator comfort



### 41 Series

Time-tested design known for its durability and performance

- Torque range 1.1 to 14.7 Nm
- Speed 600 to 2,500 rpm
- One-handed reverse lever
- Offers precise torque control in a quiet and ergonomic package



### 5 Series

Durability and performance

- Torque range 1.5 to 12.5 Nm
- Speed 900 to 2,000 rpm
- Proven quality and durability



# Air Screwdrivers

## Series Information

### 7 Series

#### Durability and performance

- Torque range 1.7 to 29.9 Nm
- Speed 500 to 1,700 rpm
- Proven quality and reliability



7RAMC1-EU



7RLL2C6-EU

### 9 Series

#### Durability and performance

- Torque 111.5 Nm
- Speed 300 rpm
- Convenient push-button reverse
- Proven quality and reliability
- Torque control through pressure regulation or operator control



9RSQ83-EU

### BALD Series

#### High-precision Nutrunner

- Torque range 1 to 31 Nm
- Speed 140 to 1,200 rpm
- Modular design for easy and low cost maintenance
- Optional signal outlet for cycle control (dual information kit: add "-DI" to model)
- High-quality fastenings through precise torque control



BALD1202RD5-R18-S4

# Air Screwdrivers

## Series Information

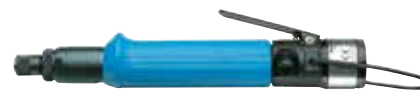
### LD Series

#### High-precision screwdriver

- Torque range 0.6 to 15 Nm
- Speed 180 to 1,700 rpm
- Compact and lightweight
- Quick reverse trigger
- Modular design for easy and low cost maintenance
- Optional signal outlet for cycle control (dual information kit: add "-DI" to model)
- Low-maintenance cost screwdriver
- High-quality fastenings through precise torque control



LD1202RP5-Q4-RM



LD1202RD5

### Q2 Series

#### Set the standards for assembly tools ergonomics

- Torque range 0.3 to 11.6 Nm
- Speed 250 to 2,000 rpm
- Compact and lightweight, well-balanced design
- Top or bottom air inlets allow for optimal mounting on pistol models
- Speed adjustment facility through the exhaust on angle and straight models
- Egg-shaped housing employs a natural fit on inline models
- Part numbers starting with QP1, QA1, QS1 according to their shape



QP1T10C1TD



QA1L05C1LD



QS1T20C1D

### QA Series

#### Accuracy, durability and flexibility combine to maximize productivity

- Torque range 5 to 225 Nm
- Speed 90 to 1,025 rpm
- Adjustable shut-off clutch provides repeatability that improves joint quality
- Quick, precise shut-off limits scatter and torque reaction
- Lube-free motor
- Ergonomic grip for operator comfort
- Recommended for applications where precise torque control is required



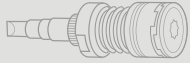
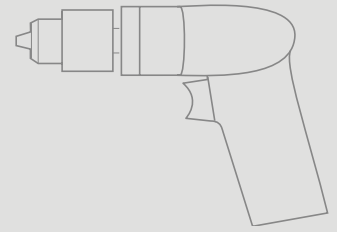
QA4AALS011BP25S06



QA4ASLS012BP20S04

# Air Screwdrivers

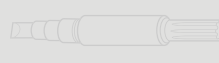
## Pistol



Adjustable cushion clutch

























Adjustable shut-off clutch



Direct drive

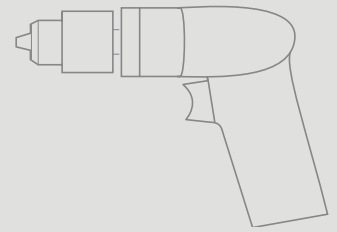


Positive jaw clutch

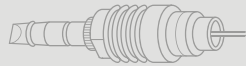
Ref.	CCN	 Nm	 Nm	 Nm		 rpm	 kg	 mm	 mm	 in	 l/s
<b>TRIGGER + PUSH START</b>											
<b>QP1T15C1TD</b>	01383405	0.3 – 1.1	<b>0.9 – 3.1</b>		M4	1500	0.84	223	15	1/4" 	7.5
<b>QP1T10C1TD</b>	01383413	0.3 – 1.1	0.9 – 2.5	<b>1.5 – 4.5</b>	M5	1000	0.84	223	15	1/4" 	7.5
<b>TRIGGER START</b>											
<b>1RANC1</b>	04724514	<b>0.3 – 1.8</b>	0.5 – 2.6	1.1 – 3.4	M4	1000	0.68	217	17	1/4" 	6.1
<b>1RAMC1</b>	04724506	<b>0.5 – 1.8</b>	0.7 – 2.3		M3	1650	0.68	217	17	1/4" 	6.1
<b>QP1S15C1TD</b>	45602349	0.3 – 1.1	<b>0.9 – 3.1</b>		M4	1500	0.84	223	15	1/4" 	7.5
<b>QP1S10C1TD</b>	01383512	0.3 – 1.1	0.9 – 2.5	<b>1.5 – 4.5</b>	M5	1000	0.84	223	15	1/4" 	7.5
<b>QP1S05C1TD</b>	01383520	0.3 – 1.1	0.9 – 3.2	<b>1.5 – 5.4</b>	M5	500	0.84	223	15	1/4" 	7.5
<b>5RANC1-EU</b>	01337740	<b>1.5 – 6.2</b>	6.2 – 8.0		M6	900	1.30	241	21	1/4" 	8.0
<b>41PC17TSQ4-EU</b>	01341445	1.7 – 4.5	<b>1.7 – 6.0</b>		M5	1700	1.40	239	20	1/4" 	9.4
<b>41PC10TSQ4-EU</b>	01341437	1.7 – 4.5	<b>1.7 – 9.0</b>		M6	1000	1.40	239	20	1/4" 	9.4
<b>7RAMC1-EU</b>	01338367	<b>2.3 – 9.7</b>	2.9 – 12.5		M6	1000	1.50	268	22	1/4" 	12.7
<b>41PC8TSQ4-EU</b>	01340033	1.7 – 4.5	1.7 – 9.0	<b>5.1 – 11.3</b>	M6	800	1.40	239	20	1/4" 	9.4

Specifications at 6.2 bar (90 psi)

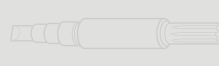
# Air Screwdrivers Pistol



Adjustable cushion clutch



Adjustable shut-off clutch



Direct drive

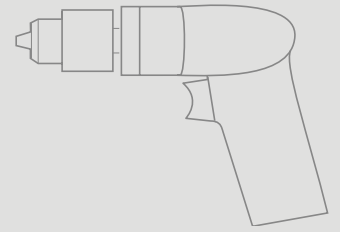


Positive jaw clutch

Ref.	CCN	Clutch				Screw	rpm	kg	mm	mm	in	l/s
		Nm	Nm	Nm	Nm							
<b>TRIGGER + PUSH START</b>												
1RTNS1	04724464	<b>0.3 – 1.8</b>	0.5 – 2.6	1.1 – 3.4	M4	1000	0.68	217	17	¼" Ⓞ	6.1	
1RTMS1	04724456	<b>0.5 – 1.8</b>	0.7 – 2.3		M3	1650	0.68	217	17	¼" Ⓞ	6.1	
QP1T20S1TD	01383249	0.3 – 1.1	<b>0.9 – 2.5</b>		M3	2000	0.84	223	15	¼" Ⓞ	7.5	
QP1T15S1TD	45602455IRI	0.3 – 1.1	<b>0.9 – 3.1</b>		M4	1500	0.84	223	15	¼" Ⓞ	7.5	
1RTQS1	04724472	0.3 – 1.8	0.5 – 2.6	<b>1.0 – 5.1</b>	M5	500	0.68	222	17	¼" Ⓞ	6.1	
QP1T10S1TD	01383264	0.3 – 1.1	0.9 – 2.5	<b>1.5 – 4.5</b>	M5	1000	0.84	223	15	¼" Ⓞ	7.5	
QP1T02S1TD	01389535IRI	0.3 – 1.1	0.9 – 3.2	<b>1.5 – 5.4</b>	M5	250	0.84	223	15	¼" Ⓞ	7.5	
QP1T05S1TD	01383272	0.3 – 1.1	0.9 – 3.2	<b>1.5 – 5.4</b>	M5	500	0.84	223	15	¼" Ⓞ	7.5	
41PA16TPQ4-EU	01340660	1.7 – 4.5	<b>2.8 – 6.8</b>		M5	1600	1.40	249	22	¼" Ⓞ	13.2	
41PA10TPQ4-EU	01342567	1.7 – 4.5	2.8 – 6.8	<b>4.0 – 9.0</b>	M5	1000	1.40	249	22	¼" Ⓞ	13.2	
41PA8TPQ4-EU	01338557	1.7 – 4.5	2.8 – 6.8	<b>4.0 – 11.3</b>	M6	800	1.40	249	22	¼" Ⓞ	13.2	
<b>TRIGGER START</b>												
LD1207RP5-Q4-RM	53560553	0.6 – 1.6			M2	900	1.00	210	20	¼" Ⓞ	7.8	
QP1S20S1TD	01383348	0.3 – 1.1	<b>0.9 – 2.5</b>		M3	2000	0.84	223	15	¼" Ⓞ	7.5	
QP1S15S1TD	45602414	0.3 – 1.1	<b>0.9 – 3.1</b>		M4	1500	0.84	223	15	¼" Ⓞ	7.5	
LD1214RP5-Q4	53553913	1.0 – 2.5			M3	1700	1.00	220	20	¼" Ⓞ	7.2	
QP1S10S1TD	01383363	0.3 – 1.1	0.9 – 2.5	<b>1.5 – 4.5</b>	M5	1000	0.84	223	15	¼" Ⓞ	7.5	
QP1S02S1TD	49817919	0.3 – 1.1	0.9 – 3.2	<b>1.5 – 5.4</b>	M5	250	0.84	223	15	¼" Ⓞ	7.5	
QP1S05S1TD	01383371	0.3 – 1.1	0.9 – 3.2	<b>1.5 – 5.4</b>	M5	500	0.84	223	15	¼" Ⓞ	7.5	
LD1207RP5-Q4	04367439	1.6 – 4.5			M5	900	1.00	210	20	¼" Ⓞ	7.8	
LD2216RP5-Q4	04370219	1.8 – 3.8			M4	1600	1.20	250	20	¼" Ⓞ	8.7	
LD2210RP5-Q4	04367520	2.1 – 5.7			M5	1000	1.20	231	20	¼" Ⓞ	8.7	
LD2206RP5-Q4	04367496	2.3 – 9.3			M6	600	1.20	250	20	¼" Ⓞ	9.6	
LD1202RP5-Q4	04367405	2.4 – 9.2			M6	190	1.10	230	20	¼" Ⓞ	7.8	
41PA10TSQ4-EU	01342187	1.7 – 4.5	2.8 – 6.8	<b>4.0 – 9.0</b>	M3	1000	1.40	249	22	¼" Ⓞ	13.2	
41PA8TSQ4-EU	01340470	1.7 – 4.5	2.8 – 6.8	<b>4.0 – 11.3</b>	M4	800	1.40	249	22	¼" Ⓞ	13.2	
LD2203RP5-S6	53444634	10.0 – 15.0			M8	300	1.30	271	20	⅜" □	8.7	

Specifications at 6.2 bar (90 psi)

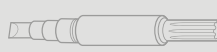
# Air Screwdrivers Pistol



Adjustable cushion clutch



















Adjustable shut-off clutch



Direct drive



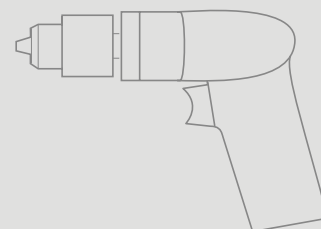
Positive jaw clutch

Ref.	CCN	 Nm	 M	 rpm	 kg	 mm	 mm	 in	 l/s
<b>TRIGGER START</b>									
<b>QP1S20D1TD</b>	01383546	2.9	M3	2000	0.68	162	15	¼" 	7.5
<b>QP1S15D1TD</b>	45602372	3.4	M4	1500	0.68	162	15	¼" 	7.5
<b>5RALD1-EU</b>	01340587	4.0	M4	2000	0.85	184	21	¼" 	8.0
<b>QP1S10D1TD</b>	01383561	5.2	M5	1000	0.68	162	15	¼" 	7.5
<b>41PD17TSQ4-EU</b>	01342484	7.3	M6	1700	1.00	188	20	¼" 	9.4
<b>5RAND1-EU</b>	01338490	8.0	M6	900	0.95	203	21	¼" 	8.0
<b>QP1S05D1TD</b>	01383579	9.8	M6	500	0.68	162	15	¼" 	7.5
<b>41PD8TSQ4-EU</b>	01342807	13.6	M8	800	1.00	188	20	¼" 	9.4

Specifications at 6.2 bar (90 psi)

# Air Screwdrivers

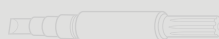
## Pistol



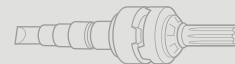
Adjustable cushion clutch

















Adjustable shut-off clutch



Direct drive



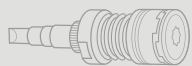
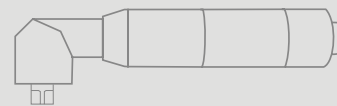
Positive jaw clutch

Ref.	CCN	 Nm	 M	 rpm	 kg	 mm	 mm	 in	 l/s
<b>TRIGGER START</b>									
41PP25TSQ4-EU	01339829	5.1	M5	2500	1.00	183	20	¼" 	9.4
41PP17TSQ4-EU	01340686	7.3	M6	1700	1.10	193	20	¼" 	9.4
5RANP1-EU	01338573	8.0	M4	900	1.00	203	21	¼" 	8.0
7RAMP1-EU	01341387	13.1	M5	1000	1.40	237	22	¼" 	12.7
41PP8TSQ4-EU	01341296	13.6	M8	800	1.10	193	20	¼" 	9.4
7RANP1-EU	01340017	18.8	M8	700	1.40	237	22	¼" 	12.7

Specifications at 6.2 bar (90 psi)

# Air Screwdrivers

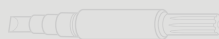
## Angle






















Adjustable cushion clutch



Adjustable shut-off clutch



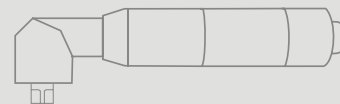
Direct drive

Ref.	CCN	 Nm	 Nm	 Nm	 rpm	 kg	 mm	 mm	 mm	 in	 l/s
<b>LEVER TO START</b>											
<b>QA1L12C1LD</b>	01380286	0.4 – 1.3	<b>1.1 – 3.7</b>		1270	0.95	302	34	13	¼" 	0.0
<b>5RLN2C6-EU</b>	01338359	<b>1.7 – 9.1</b>	5.7 – 12.5		600	1.50	334	33	13	⅜" 	8.0
<b>7RLL2C6-EU</b>	01340371		<b>1.7 – 11.3</b>		1400	1.50	335	33	13	⅜" 	12.7
<b>QA1L08C1LD</b>	01380351	0.4 – 1.3	1.1 – 3.8	<b>1.8 – 5.3</b>	850	0.95	302	34	13	¼" 	0.0
<b>QA1L08C4LD</b>	01380294	0.4 – 1.3	1.1 – 3.8	<b>1.8 – 5.3</b>	850	0.95	302	34	13	¼" 	0.0
<b>QA1L05C1LD</b>	01380369	0.4 – 1.3	1.1 – 3.8	<b>1.8 – 6.4</b>	500	0.95	302	34	13	¼" 	0.0
<b>QA1L05C4LD</b>	01380385	0.4 – 1.3	1.1 – 3.8	<b>1.8 – 6.4</b>	500	0.95	302	34	13	¼" 	0.0
<b>7RLL3C6-EU</b>	01339597		<b>2.8 – 12.5</b>		1400	2.20	363	38	18	⅜" 	12.7
<b>7RLM3C6-EU</b>	01340090		<b>2.8 – 14.8</b>		800	2.30	363	38	18	⅜" 	12.7

Specifications at 6.2 bar (90 psi)

# Air Screwdrivers

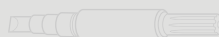
## Angle



Adjustable cushion clutch



Adjustable shut-off clutch

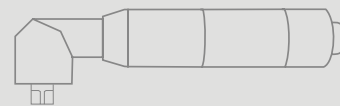


Direct drive

Ref.	CCN	Nm	Nm	Nm	Nm	rpm	kg	mm	mm	mm	in	l/s
<b>LEVER TO START</b>												
1RLN2S3	04724522	<b>0.4 – 2.6</b>	0.8 – 3.9	1.1 – 5.2	M5	700	0.79	318	31	13	¼"	6.1
1RLN2S5	80094998	<b>0.4 – 2.6</b>	0.8 – 3.9	1.1 – 5.2	M5	700	0.79	318	33	13	¼"	6.1
1RLM2S5	04725206	<b>0.6 – 2.6</b>	0.9 – 3.4		M4	1100	0.79	318	33	13	¼"	6.1
BALD1202RD5-R18-S4-RM	53424164	1.0 – 2.0				140	1.00	315	23	9	¼"	7.7
QA1L12S1LD	01384817	0.4 – 1.3	<b>1.1 – 3.7</b>			1270	0.95	302	34	13	¼"	0.0
QA1L12S4LD	01379098	0.4 – 1.3	<b>1.1 – 3.7</b>			1270	0.95	302	34	13	¼"	0.0
QA1L12S4SD	01382381	0.4 – 1.3	<b>1.1 – 3.7</b>			1270	0.85	299	27	10	¼"	0.0
QA1L05S4SD	01379031	0.4 – 1.3	<b>1.1 – 4.1</b>			500	0.85	299	27	10	¼"	0.0
BALD1214RD5-R25-H4	04367744	1.4 – 4.0				1200	1.00	284	31	13	¼"	7.7
BALD1207RD5-R25-H4	04367702	1.4 – 5.7				650	1.00	275	31	13	¼"	7.7
BALD1207RD5-R25-S4	53558425	1.4 – 5.7				650	1.00	275	31	13	¼"	7.7
BALD1207RD5-R25-S6	53558524	1.4 – 5.7				650	1.00	275	31	13	⅜"	7.7
BALD1207RD5-R18-S4	53616991	1.8 – 4.9				650	1.00	303	23	9	¼"	7.7
QA1L08S1LD	01384809	0.4 – 1.3	1.1 – 3.8	<b>1.8 – 5.3</b>		850	0.95	302	34	13	¼"	0.0
QA1L08S4LD	01379122	0.4 – 1.3	1.1 – 3.8	<b>1.8 – 5.3</b>		850	0.95	302	34	13	¼"	0.0
QA1L08S6LD	01379668IRI	0.4 – 1.3	1.1 – 3.8	<b>1.8 – 5.3</b>		850	0.95	302	34	13	⅜"	0.0
QA1L02S1LD	89941793	0.4 – 1.3	1.1 – 3.8	<b>1.8 – 6.4</b>		250	0.95	302	34	13	¼"	0.0
QA1L02S6LD	01379643	0.4 – 1.3	1.1 – 3.8	<b>1.8 – 6.4</b>		250	0.95	302	34	13	⅜"	0.0
QA1L05S1LD	01384791	0.4 – 1.3	1.1 – 3.8	<b>1.8 – 6.4</b>		500	0.95	302	34	13	¼"	0.0
QA1L05S4LD	01379023	0.4 – 1.3	1.1 – 3.8	<b>1.8 – 6.4</b>		500	0.95	302	34	13	¼"	0.0
QA1L05S6LD	01379650	0.4 – 1.3	1.1 – 3.8	<b>1.8 – 6.4</b>		500	0.95	302	34	13	⅜"	0.0
BALD2206RD5-R25-H4	04382594	2.2 – 12.0				560	1.30	314	31	13	¼"	10.8
BALD2206RD5-R25-S4	53557682	2.2 – 12.0				560	1.30	314	31	13	¼"	10.8
BALD2206RD5-R25-S6	04367751	2.2 – 12.0				560	1.30	314	31	13	⅜"	10.8
BALD1202RD5-R18-S4	53619136	2.6 – 9.0				140	1.00	315	23	9	¼"	7.7
BALD1202RD5-R25-H4	04367686	2.6 – 9.4				140	1.00	287	31	13	¼"	7.7
41AA9LTS6-EU	01341478	2.8 – 6.6	<b>2.8 – 10.2</b>			950	1.80	361	38	15	⅜"	14.5
BALD2203RD5-R28-S6	04362331	2.8 – 31.0				170	1.80	399	32	14	⅜"	10.8
BALD2210RD5-R25-S6	04367777	3.2 – 7.5				900	1.30	314	31	13	⅜"	10.8
QA1L05S1XLD	49818032	1.4 – 4.3	<b>3.5 – 10.0</b>			500	1.03	329	34	13	¼"	0.0
QA1L05S6XLD	01380427	1.4 – 4.3	<b>3.5 – 10.0</b>			500	1.03	329	34	13	⅜"	0.0
QA1L02S1XLD	49817935	1.4 – 4.3	<b>3.5 – 11.5</b>			250	1.03	329	34	13	¼"	0.0
QA1L02S6XLD	01380104IRI	1.4 – 4.3	<b>3.5 – 11.5</b>			250	1.03	329	34	13	⅜"	0.0
41AA6LTS6-EU	01340074	2.5 – 5.8	2.5 – 9.1	<b>4.0 – 14.7</b>		600	1.80	361	48	16	⅜"	14.5

# Air Screwdrivers

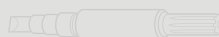
## Angle



Adjustable cushion clutch



Adjustable shut-off clutch

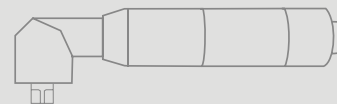


Direct drive

Ref.	CCN	Clutch				1 min	kg	mm	mm	mm	in	l/s
		Nm	Nm	Nm	Nm							
QA4AALS011BP25S06	80156060	5.0 – 11.0				1025	1.44	342	33	13	3/8" □	12.8
QA4AALS015BP25S06	80156078	7.0 – 15.0				800	1.44	342	33	13	3/8" □	12.8
QA4AALS020BP25S06	80156169	10.0 – 20.0				625	1.44	342	33	13	3/8" □	12.8
QA4AALS030BP28S06	80156219	15.0 – 30.0				425	1.52	363	35	14	3/8" □	12.8
QA6AALS030BP35S06	80186497	15.0 – 30.0				580	2.29	429	44	18	3/8" □	17.0
QA4AALS040BP35S06	80156268	20.0 – 40.0				325	1.81	395	44	18	3/8" □	12.8
QA6AALS040BP35S06	80186505	20.0 – 40.0				430	2.29	429	44	18	3/8" □	17.0
QA8AALS040BP35S06	80186554	20.0 – 40.0				570	2.44	453	44	18	3/8" □	21.7
QA4AALS055BP35S08	80156318	25.0 – 55.0				200	2.04	418	44	18	1/2" □	12.8
QA6AALS055BP35S08	80186521	25.0 – 55.0				320	2.30	429	44	18	1/2" □	17.0
QA8AALS055BP35S08	80186570	25.0 – 55.0				425	2.45	453	44	18	1/2" □	21.7
QA6AALS070BP43S08	80186539	35.0 – 70.0				225	2.30	422	45	22	1/2" □	17.0
QA8AALS070BP43S08	80186588	35.0 – 70.0				320	2.45	445	45	22	1/2" □	21.7
QA6AALS090BP43S08	80186547	45.0 – 90.0				185	2.30	422	45	22	1/2" □	17.0
QA8AALS090BP43S08	80186596	45.0 – 90.0				255	2.45	445	45	22	1/2" □	21.7
QA8AALS115BP48S08	80186604	70.0 – 115.0				200	2.79	452	50	25	1/2" □	21.7
QA8AALS150BP48S08	80186612	75.0 – 150.0				145	3.12	489	50	25	1/2" □	21.7
QA8AALS200BF56S12	80186620	100.0 – 200.0				110	4.02	508	53	30	3/4" □	21.7
QA8AALS225BF56S12	80186638	125.0 – 225.0				90	4.02	508	53	30	3/4" □	21.7

# Air Screwdrivers

## Angle

















Adjustable cushion clutch



Adjustable shut-off clutch



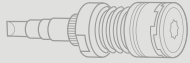
Direct drive

Ref.	CCN	 Nm	 M	 rpm	 kg	 mm	 mm	 mm	 in	 l/s
<b>LEVER TO START</b>										
<b>QA1L12D1LD</b>	01385293	4.0	M4	1270	0.70	227	34	13	1/4" 	7.5
<b>QA1L12D4LD</b>	01379148	4.0	M4	1270	0.70	227	34	13	1/4" 	7.5
<b>QA1L08D1LD</b>	01385285	6.8	M5	850	0.70	227	34	13	1/4" 	7.5
<b>QA1L08D4LD</b>	01379155	6.8	M5	850	0.70	227	34	13	1/4" 	7.5
<b>QA1L05D4LD</b>	01380377	11.6	M6	500	0.70	227	34	13	1/4" 	7.5
<b>5RLN2D6-EU</b>	01340801	12.5	M6	600	1.40	276	33	13	3/8" 	8.0
<b>7RLM2D6-EU</b>	01340082	19.8	M8	800	1.40	286	33	13	3/8" 	12.7
<b>7RLM3D6-EU</b>	01340850	19.8	M6	800	1.60	295	38	18	3/8" 	12.7
<b>7RLN3D6-EU</b>	01338672	29.9	M8	500	1.60	295	38	18	3/8" 	12.7
<b>9RSQ83-EU</b>	01337864	111.5	M14	300	3.50	454	46	25	1/2" 	30.8

Specifications at 6.2 bar (90 psi)

# Air Screwdrivers

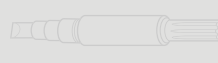
## Inline





























Adjustable cushion clutch



Adjustable shut-off clutch



Direct drive

Ref.	CCN	 Nm	 Nm	 Nm		 rpm	 kg	 mm	 mm	 in	 l/s
<b>LEVER + PUSH START</b>											
QS1T20C1D	01385152	0.3 – 1.1	<b>0.9 – 3.1</b>			2000	0.70	241	22	1/4" 	7.5
QS1T05C1D	01385129	0.3 – 1.1	0.9 – 3.2	<b>1.5 – 5.4</b>		500	0.70	241	22	1/4" 	7.5
<b>LEVER TO START</b>											
1RLNC1	04724530	<b>0.3 – 1.8</b>	0.5 – 2.6	1.1 – 3.4	M4	1000	0.50	222	14	1/4" 	6.1
1RLMC1	04724548	<b>0.5 – 1.8</b>	0.7 – 2.3		M3	1650	0.50	222	14	1/4" 	6.1
QS1L20C1D	01385053	0.3 – 1.1	<b>0.9 – 3.1</b>			2000	0.70	241	22	1/4" 	7.5
QS1L10C1D	01385038	0.3 – 1.1	0.9 – 2.5	<b>1.5 – 4.5</b>		1000	0.70	241	22	1/4" 	7.5
QS1L05C1D	01385020	0.3 – 1.1	0.9 – 3.2	<b>1.5 – 5.4</b>		500	0.70	241	22	1/4" 	7.5
41SC17LTQ4-EU	01341965IRI	1.1 – 4.5	<b>1.7 – 6.8</b>			1700	1.40	277	20	1/4" 	9.4
41SC10LTQ4-EU	01341122	1.1 – 4.5	<b>1.7 – 9.0</b>			1000	1.40	277	20	1/4" 	9.4
<b>PUSH START</b>											
1RPNC1	04724498	<b>0.3 – 1.8</b>	0.5 – 2.6	1.1 – 3.4	M4	1000	0.50	222	14	1/4" 	6.1
1RPMC1	04724480	<b>0.5 – 1.8</b>	0.7 – 2.3		M3	1650	0.50	222	14	1/4" 	6.1
QS1P20C1D	01385335	0.3 – 1.1	<b>0.9 – 3.1</b>			2000	0.62	223	22	1/4" 	7.5
41SC25PSQ4-EU	01339894	<b>1.1 – 4.5</b>				2500	1.30	264	20	1/4" 	9.4
QS1P10C1D	01385327	0.3 – 1.1	0.9 – 2.5	<b>1.5 – 4.5</b>		1000	0.62	223	22	1/4" 	7.5
QS1P05C1D	01385343	0.3 – 1.1	0.9 – 3.2	<b>1.5 – 5.4</b>		500	0.62	223	22	1/4" 	7.5
41SC10PSQ4-EU	01340868	1.1 – 4.5	<b>1.7 – 9.0</b>			1000	1.40	277	20	1/4" 	9.4

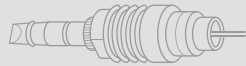
Specifications at 6.2 bar (90 psi)

# Air Screwdrivers

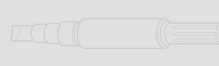
## Inline





















Adjustable cushion clutch



Adjustable shut-off clutch



Direct drive

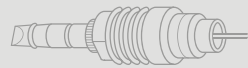
Ref.	CCN	 Nm	 Nm	 Nm	 Nm	 M	 rpm	 kg	 mm	 mm	 in	 l/s
<b>LEVER + PUSH START</b>												
QS1L20S1D	01373539	0.3 – 1.1	<b>0.9 – 2.5</b>				2000	0.70	241	22	1/4" 	7.5
QS1L15S1D	45602497IRI	0.3 – 1.1	<b>0.9 – 3.1</b>				1500	0.70	241	22	1/4" 	7.5
QS1L10S1D	01373513	0.3 – 1.1	0.9 – 2.5	<b>1.5 – 4.5</b>			1000	0.70	241	22	1/4" 	7.5
QS1L02S1D	01389584	0.3 – 1.1	0.9 – 3.2	<b>1.5 – 5.4</b>			250	0.70	241	22	1/4" 	7.5
QS1L05S1D	01373505	0.3 – 1.1	0.9 – 3.2	<b>1.5 – 5.4</b>			500	0.70	241	22	1/4" 	7.5
41SA10LPQ4-EU	01342583IRI	1.7 – 4.5	2.8 – 6.8	<b>4.0 – 9.0</b>			1000	1.20	277	20	1/4" 	13.2
41SA8LPQ4-EU	01341007	1.7 – 4.5	2.8 – 6.8	<b>4.0 – 11.3</b>			800	1.20	277	20	1/4" 	13.2
<b>LEVER TO START</b>												
1RLNS1	80094972	<b>0.3 – 1.8</b>	0.5 – 2.6	1.1 – 3.4	M4		1000	0.50	222	14	1/4" 	6.1
QS1T20S1D	01385251	0.3 – 1.1	<b>0.9 – 2.5</b>				2000	0.70	241	22	1/4" 	7.5
QS1T15S1D	45602588IRI	0.3 – 1.1	<b>0.9 – 3.1</b>				1500	0.70	241	22	1/4" 	7.5
1RLQS1	04725222	0.3 – 1.8	0.5 – 2.6	<b>1.0 – 5.1</b>	M5		500	0.50	222	17	1/4" 	6.1
LD1214RD5-Q4	04370169	1.1 – 2.5					1500	0.70	231	17	1/4" 	7.7
LD1207RD5-Q4	04367421	1.2 – 4.2					800	0.70	231	17	1/4" 	7.7
QS1T10S1D	01385236	0.3 – 1.1	0.9 – 2.5	<b>1.5 – 4.5</b>			1000	0.70	241	22	1/4" 	7.5
QS1T02S1D	01389527IRI	0.3 – 1.1	0.9 – 3.2	<b>1.5 – 5.4</b>			250	0.70	241	22	1/4" 	7.5
QS1T05S1D	01385228	0.3 – 1.1	0.9 – 3.2	<b>1.5 – 5.4</b>			500	0.70	241	22	1/4" 	7.5
LD1202RD5-Q4	04367397	1.6 – 10.0					180	0.80	243	17	1/4" 	7.7
LD2216RD5-Q4	04367546	1.8 – 4.5					1550	1.00	272	18	1/4" 	10.3
LD2206RD5-Q4	04367488	2.1 – 9.8					600	1.00	272	18	1/4" 	10.3
LD2210RD5-Q4	04370268	2.4 – 5.9					1000	1.00	272	18	1/4" 	10.3
QA4ASLS012BP20S04		6.0 – 12.0					1050	1.30	351	21	1/4" 	13.7
QA4ASRS012BF41S06	80188121	6.0 – 12.0					1050	1.30	451	21	3/8" 	13.7
QA4ASLS015BP20S04		7.0 – 15.0					850	1.30	351	21	1/4" 	13.7
QA4ASRS015BF41S06	47144555	7.0 – 15.0					850	1.30	451	21	3/8" 	13.7
LD2203RD5-S6		10.0 – 15.0					300	1.10	293	18	3/8" 	10.3
QA4ASLS020BP20S06	80166143	10.0 – 20.0					600	1.40	342	21	3/8" 	13.7
QA4ASRS020BF41S06	80187917	10.0 – 20.0					600	1.40	451	21	3/8" 	13.7
QA6ASLS025BP41S06	80186794	12.0 – 25.0					720	2.30	478	20	3/8" 	17.0
QA6ASRS025BF41S06	80186919	12.0 – 25.0					700	2.61	454	34	3/8" 	17.0
QA4ASLS027BP20S06	80166135	14.0 – 27.0					450	1.40	342	21	3/8" 	13.7
QA4ASRS027BF41S06	47143565	14.0 – 27.0					450	1.40	451	21	3/8" 	13.7
QA6ASLS030BP41S06	80186802	15.0 – 30.0					605	2.30	478	20	3/8" 	17.0
QA6ASRS030BF41S06	80186927	15.0 – 30.0					585	2.61	454	34	3/8" 	17.0
QA4ASLS046BP20S06	80166150	20.0 – 46.0					250	1.50	370	23	3/8" 	13.7
QA4ASRS046BF41S06	17004284	20.0 – 46.0					250	1.50	465	23	3/8" 	13.7

# Air Screwdrivers

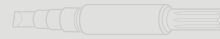
## Inline














Adjustable cushion clutch



Adjustable shut-off clutch



Direct drive

Ref.	CCN	 Nm	 Nm	 Nm	 Nm		 rpm	 kg	 mm	 mm	 in	 l/s
QA6ASLS040BP41S06	80186810	20.0 – 40.0					450	2.30	478	20	3/8" □	17.0
QA6ASRS040BF41S06	80186935	20.0 – 40.0					435	2.61	454	34	3/8" □	17.0
QA8ASLS040BP41S06	80186836	20.0 – 40.0					600	2.39	502	20	3/8" □	21.7
QA8ASRS040BF41S06	17013434	20.0 – 40.0					540	2.73	478	34	3/8" □	21.7
QA6ASLS055BP41S08	80186828	25.0 – 55.0					325	2.31	478	20	1/2" □	17.0
QA6ASRS055BF41S08	80186943	25.0 – 55.0					315	2.62	454	34	1/2" □	17.0
QA8ASLS055BP41S08	80186851	25.0 – 55.0					470	2.40	502	20	1/2" □	21.7
QA8ASRS055BF41S08	80186976	25.0 – 55.0					425	2.74	478	34	1/2" □	21.7
QA8ASLS070BP41S08	80186869	35.0 – 70.0					355	2.54	506	24	1/2" □	21.7
QA8ASRS070BF41S08	80186984	35.0 – 70.0					320	3.09	482	43	1/2" □	21.7
QA8ASLS090BP41S08	80186877	45.0 – 90.0					255	2.87	542	24	1/2" □	21.7
QA8ASRS090BF41S08	80186992	45.0 – 90.0					230	3.42	518	43	1/2" □	21.7
QA8ASLS115BF41S08		70.0 – 115.0					215	3.40	541	51	1/2" □	21.7
QA8ASRS115BF41S08	80187008	70.0 – 115.0					195	3.64	517	51	1/2" □	21.7
QA8ASLS150BF41S08		75.0 – 150.0					165	3.40	541	51	1/2" □	21.7
QA8ASRS180BF41S08	17022583	90.0 – 180.0					125	3.64	517	51	1/2" □	21.7
<b>PUSH START</b>												
1RPN51	04724431	<b>0.3 – 1.8</b>	0.5 – 2.6	1.1 – 3.4	M4		1000	0.50	222	14	1/4" ⚙	6.1
1RPL51	80094907	<b>0.5 – 1.5</b>			M2		2800	0.50	213	14	1/4" ⚙	6.1
1RPM51	04724423	<b>0.5 – 1.8</b>	0.7 – 2.3		M3		1650	0.50	222	14	1/4" ⚙	6.1
QS1P20S1D	01375807	0.3 – 1.1	<b>0.9 – 2.5</b>				2000	0.62	223	22	1/4" ⚙	7.5
QS1P15S1D	45602554IRI	0.3 – 1.1	<b>0.9 – 3.1</b>				1500	0.62	223	22	1/4" ⚙	7.5
1RPQ51	04724449	0.3 – 1.8	0.5 – 2.6	<b>1.0 – 5.1</b>	M5		500	0.50	222	17	1/4" ⚙	6.1
LD1214RD3-Q4	04371175	1.1 – 2.5					1500	0.70	231	17	1/4" ⚙	7.7
LD1207RD3-Q4	04371167	1.2 – 4.2					800	0.70	231	17	1/4" ⚙	7.7
QS1P10S1D	01375781	0.3 – 1.1	0.9 – 2.5	<b>1.5 – 4.5</b>			1000	0.62	223	22	1/4" ⚙	7.5
QS1P02S1D	01386135	0.3 – 1.1	0.9 – 3.2	<b>1.5 – 5.4</b>			250	0.62	223	22	1/4" ⚙	7.5
QS1P05S1D	01375773	0.3 – 1.1	0.9 – 3.2	<b>1.5 – 5.4</b>			500	0.62	223	22	1/4" ⚙	7.5
LD1202RD3-Q4	53559415	1.6 – 10.0					180	0.80	243	17	1/4" ⚙	7.7
LD2216RD3-Q4	04380887	1.8 – 4.5					1550	1.00	272	18	1/4" ⚙	10.3
LD2206RD3-Q4	04381232	2.1 – 9.8					600	1.00	272	18	1/4" ⚙	10.3
LD2210RD3-Q4	53559423	2.4 – 5.9					1000	1.00	272	18	1/4" ⚙	10.3
41SA17PSQ4-EU	01340595	1.7 – 4.5	<b>2.8 – 6.8</b>				1700	1.20	277	20	1/4" ⚙	13.2
41SA10PSQ4-EU	01339100	1.7 – 4.5	2.8 – 6.8	<b>4.0 – 9.0</b>			1000	1.20	277	20	1/4" ⚙	13.2
41SA8PSQ4-EU	01339779	1.7 – 4.5	2.8 – 6.8	<b>4.0 – 11.3</b>			800	1.20	277	20	1/4" ⚙	13.2

Specifications at 6.2 bar (90 psi)

# Air Screwdrivers

## Inline













Adjustable cushion clutch



Adjustable shut-off clutch



Direct drive

Ref.	CCN	 Nm	 M	 1 min rpm	 kg	 mm	 mm	 in	 MAX l/s
<b>LEVER TO START</b>									
<b>QS1L20D1D</b>	01385004	2.9	M3	2000	0.60	241	22	1/4" 	7.5
<b>QS1L10D1D</b>	01384981	5.8	M5	1000	0.60	241	22	1/4" 	7.5

Specifications at 6.2 bar (90 psi)

# QA Precision Fastening Tools Accessories



GEM120-K48



GEA4-K48

Flanged mounting plate		CCN	
<b>LEVER START</b>			
<b>QA4/QA8</b> – inline	< 56 Nm	15EA-K48	
<b>QA4/QA8</b> – angle	< 56 Nm		
<b>QA6/QA8</b> – inline	70/90 Nm	GEM120-K48	4642369
<b>QA6/QA8</b> – angle	115/150 Nm		

Square mounting plate		CCN	
<b>LEVER START</b>			
<b>QA6/QA8</b> – inline	< 56 Nm	GEA4-K48	4696456
<b>QA6/QA8</b> – angle	< 91 Nm		
<b>QA6/QA8</b> – inline	70/90 Nm	DAM120-K48	4340535
<b>QA6/QA8</b> – angle	115/150 Nm		

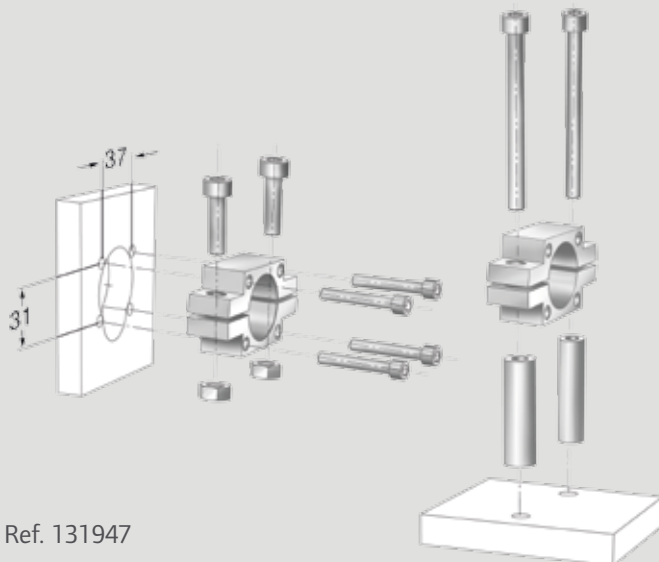


GEA15-K48

Reaction bar kit		CCN	
<b>LEVER START</b>			
<b>QA6/QA8</b> – inline	< 55 Nm	GEA15-K48	80132509
<b>QA6/QA8</b> – angle	< 90 Nm		
<b>QA6/QA8</b> – inline	< 180 Nm	DEA120-K48*	4642369
<b>QA6/QA8</b> – angle	< 150 Nm		

\*With a maximum torque of 150 Nm and for non-flanged models only

## Mounting plate for QA4 series (for vertical or horizontal mounting)



Ref. 131947



See our Torque Reaction Arms page 108

# Angle Wrenches

## Accessories



TRL-415-1  
to TRL-415-5

### Common Accessories for Angle Wrenches only

	Q2 Series	41 Series	5 Series	7 Series	8 Series	9 Series
1/4" square drive spindle	TRL2-A607-S4	48404-1	141A9-A607-1/4 (6.3 Nm max.)	141A9-A607-1/4 (6.3 Nm max.)	—	—
3/8" square drive spindle	TRL2-A607-S6	48405-1	141A12-A607	141A12-A607	—	—
1/4" hex bit holder spindle	TRL2-A607-Q4	48402-1	5L2C3-B586	5L2C3-B586	—	—
1/4" insert bit holder spindle	TRL2-A607-H4	48403-1	5L2C4-B386	5L2C4-B386	—	—
150 mm angle head extension	—	—	—	—	8SL-A327-6	8SL-A327-6
3/4" flush head socket*	—	—	—	—	—	182A88-807 (83 angle head)
13 mm flush head socket*	—	—	—	8SA34-807M (3D6) angle head	—	8SA34-807M (32 angle head) 182A13MF-807 (53 angle head)
15 mm flush head socket*	—	—	—	—	—	182A15MF-807 (53 angle head)
17 mm flush head socket*	—	—	—	—	—	8SA56-807M (53 angle head)
19 mm flush head socket*	—	—	—	—	—	182A88-807 (83 angle head)
Color differentiating components: clutch housing adjustment cover	TRL-415-1 (gold) TRL-415-2 (red) TRL-415-3 (blue) TRL-415-4 (green) TRL-415-5 (lime green)	—	—	—	—	—

\* These sockets replace the standard square drive in the angle head.



Angle Head Boots

Partnumber	CCN	Description
131995	53454708	{QA4...011/ ...015/ ...020/ ...030}
131997	53454724	{QA4...040/ ...055} {QA6...030/ ...040/ ...055} {QA8...040/ ...055}
GEA40-172	80095409	{QA6...070/ ...090} {QA8...070/ ...090}
GEA40-173	80095789	{QA8...115/ ...150}
GEA240-173	45533766	{QA8...200/ ...225}





## Air Pulse Tools

Ingersoll Rand offers a full line of standard shut-off and non-shut-off pulse tools in pistol, angle, and inline configurations to meet your needs. These extremely lightweight tools offer excellent power, speed, accuracy, and ergonomics.



## Air Pulse Tools



### Pistol

Non-shut-off	79
Shut-off	79

# Air Pulse Tools

## Series Information

### Q Series

**Represents the latest generation of pulse tool technology engineered with the end-user in mind.**

- Torque range 11 to 160 Nm
- Speed 4000 to 7000 rpm
- Lube free motor
- Ergonomic design provides comfortable grip
- High-speed and reactionless fastening
- Consistent torque
- Excellent performance and durability
- Non-shut-off tools are recommended for the majority of applications where speed and ergonomics are important



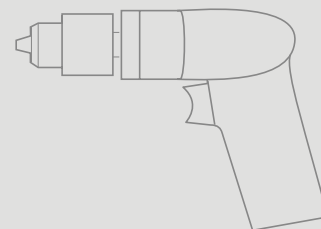
### QS Series

**Represents the latest generation of pulse tool technology engineered with the end-user in mind.**



















- Torque range 4,5 to 210 Nm
- Speed 4300 to 6800 rpm
- Lube free motor
- Ergonomic design provides comfortable grip
- High-speed and reactionless fastening
- Consistent torque
- Excellent performance and durability
- Auto-shut-off limits air consumption and tool wear



# Air Pulse Tools Pistol






















## Non-shut-off

Ref.	CCN	 Nm	 M	 rpm	 kg	 mm	 mm	 in	 l/s
<b>Q60PQ1</b>	47136171	11.0 – 20.0	M6	4000	0.80	130	22	1/4" 	5.2
<b>Q60P3</b>	47147681	13.0 – 22.0	M6	4000	0.80	130	22	3/8" 	5.2
<b>Q70PQ1</b>	80199326	20.0 – 28.0	M6	7000	0.80	131	21	1/4" 	5.5
<b>Q70P3</b>	80199318	24.0 – 35.0	M6	7000	0.80	131	21	3/8" 	5.5
<b>Q80PQ1</b>	80199342	24.0 – 35.0	M8	7000	0.85	138	21	1/4" 	5.8
<b>Q80P3</b>	80199334	33.0 – 50.0	M8	7000	0.85	138	21	3/8" 	5.8
<b>Q90P3</b>	80199359	47.0 – 65.0	M8	6500	0.97	148	23	3/8" 	6.7
<b>Q110P4</b>	80199367	65.0 – 100.0	M14	5500	1.40	164	26	1/2" 	9.7
<b>Q120P4</b>	45631405	95.0 – 130.0	M12	6600	1.70	175	29	1/2" 	13.7
<b>Q140P4</b>	45631512	130.0 – 160.0	M14	6000	2.20	190	33	1/2" 	15.6

Specifications at 6.2 bar (90 psi)

## Shut-off

Ref.	CCN	 Nm	 M	 rpm	 kg	 mm	 mm	 in	 l/s
<b>QS50P3</b>	48622120	4.5 – 8.0	M5	4300	0.95	164	23	3/8" 	4.2
<b>QS50PQ1</b>	48622112	4.5 – 8.0	M5	4300	0.95	164	23	1/4" 	4.2
<b>QS60PQ1</b>	47135900	6.0 – 13.0	M6	5300	0.95	164	23	1/4" 	5.7
<b>QS60P3</b>	47135892	7.0 – 15.5	M6	5300	0.95	164	23	3/8" 	5.7
<b>QS70PQ1</b>	47135926	13.0 – 28.0	M6	6800	1.10	177	23	1/4" 	6.1
<b>QS70P3</b>	47135918	15.0 – 32.0	M6	6800	1.10	177	23	3/8" 	6.1
<b>QS80P3</b>	47135934	30.0 – 55.0	M8	6800	1.10	187	25	3/8" 	7.5
<b>QS110P4</b>	47149208	50.0 – 85.0	M10	5800	1.50	194	29	1/2" 	8.5
<b>QS120P4</b>	47149216	70.0 – 115.0	M12	5400	1.80	201	31	1/2" 	8.5
<b>QS140P4</b>	47149224	110.0 – 150.0	M14	5200	2.10	214	33	1/2" 	11.8
<b>QS150P6</b>	48622138	140.0 – 210.0	M16	4400	2.90	237	39	3/4" 	11.8

Specifications at 6.2 bar (90 psi)



## Air Drills

Compact size, ergonomics, excellent power-to-weight ratios, and durability distinguish the Ingersoll Rand line of air drills for production and maintenance applications. Choose from our broad range of models, including inline, angle, pistol, and modular drills to meet your exact requirements. All drills for production applications share key features such as double row ball bearing construction, which assures precise concentric holes.



## Air Drills

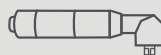
### Production Drills



#### Pistol

Direct drive

84



#### Angle

Direct drive

85



#### Inline

Direct drive

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#### Accessories

87

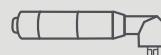
### Precision Drills



#### Pistol

Direct drive

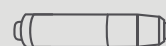
88



#### Angle

Direct drive

89



#### Inline

Direct drive

90



#### Modular

Direct drive

90

#### Accessories

91

# Air Drills

## Series Information

### 1 Series

**1 Series drills combine proven quality and performance with economy for day-in-day-out production drilling**

- Stall torque 1.1 to 11.3 Nm
- Speed 600 to 3,800 rpm
- Double row ball bearings construction assures precise holes
- Variable speed control allows starting and high speed for fast drilling
- Excellent power-to-weight ratio gets the job done with less fatigue



1AL1



1LL1

### 5 Series

**Durability and performance**

- Stall torque 2.30 to 13.6 Nm
- Speed 700 to 4,800 rpm
- Excellent power-to-weight ratio gets the job done with less fatigue



5AJST4-EU



5LK1A4-EU



5LJ1-EU

### 7 Series

**Durability and performance**

- Stall torque 1.13 to 31.1 Nm
- Speed 600 to 2,000 rpm
- Excellent power-to-weight ratio gets the job done with less fatigue



7ANST8-EU



7LM3A43-EU

# Air Drills

## Series Information

### MS Series

#### Air multifunction drill

- Stall torque 11 Nm
- Speed 600 rpm
- Direct drive
- Quick reversible trigger



### P33 Series

#### P33 precision drills deliver excellent accuracy for demanding applications

- Stall torque 0.6 to 16 Nm
- Speed 660 to 18,000 rpm
- Variable speed control allows starting and high speed for fast drilling
- Lube-free motor
- Skinsulate comfort coating grip



### Q2 Series

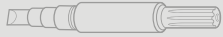
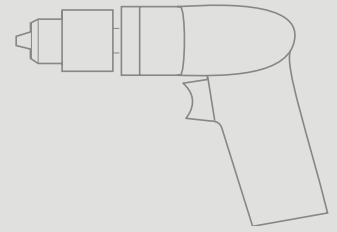
#### Compact and lightweight, Q2 drills deliver more power in a smaller package to get the job done in less time

- Stall torque 1.1 to 12.8 Nm
- Speed 500 to 5,100 rpm
- Ergonomic design reduces operator fatigue
- Variable speed control allows starting and high speed for fast drilling
- Excellent power-to-weight ratio gets the job done with less fatigue
- Part numbers starting with QP, QA, QS according to their shape












# Air Drills

## Production Drills | Pistol



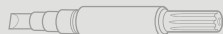
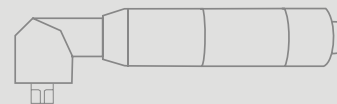
Direct drive

Ref.	CCN	 rpm	 rpm	 kg	 mm	 mm	 in	 mm	 l/s
<b>TRIGGER START</b>									
1AL1	04725230	2800	1.7	0.65	159	6.0	5/8" - 24	17	5.2
1P06ST4	04725289	600	11.3	0.68	171	6.0	5/8" - 24	17	5.2
1P09ST4	04725297	900	7.6	0.68	171	6.0	5/8" - 24	17	5.2
1P38ST4	4725305	3800	2.3	0.65	159	6.0	5/8" - 24	17	5.2
5AJST4-EU	01340322	4500	2.3	0.90	173	6.0	5/8" - 24	21	8.0
5AKST4-EU	01339993	3000	3.4	0.90	173	6.0	5/8" - 24	21	8.0
5ALST4-EU	01338938	2200	4.5	0.90	173	6.0	5/8" - 24	21	8.0
5ANST6-EU	01339969	1000	9.0	1.25	207	10.0	5/8" - 24	21	8.0
5RALST6-EU	01341031	2000	4.0	1.00	157	10.0	5/8" - 24	21	8.0
5RANST8-EU	01341569	900	8.0	1.40	210	13.0	5/8" - 24	21	8.0
7ADST4-EU		2000	1.1	1.02	189	6.0	5/8" - 24	22	11.7
7AHST4-EU	01340983	6000	3.7	1.05	189	6.0	5/8" - 24	22	11.7
7AJST4-EU	01338987	4800	4.5	1.05	189	6.0	5/8" - 24	22	11.7
7AKST6-EU	01340579	3200	6.6	1.08	194	10.0	5/8" - 24	22	11.7
7ALST6-EU	01338581	2400	8.8	1.22	189	10.0	5/8" - 24	22	11.7
7AMST6-EU	01338540	1400	14.7	1.33	216	10.0	5/8" - 24	22	11.7
7ANST8-EU	01338433	900	20.9	1.45	222	13.0	5/8" - 24	22	11.7
7AQST8-EU	01337914	600	30.5	1.47	222	13.0	5/8" - 24	22	11.7
MS2206RP5-Q4		600	11.0	1.00	190	8.0	1/4" 	20	9.5
QP051D	01376177	500	9.8	0.70	184	6.0	5/8" - 24	15	7.5
QP091D	01376136	900	5.8	0.70	184	6.0	5/8" - 24	15	7.5
QP151D	01376086	1500	3.4	0.70	184	6.0	5/8" - 24	15	7.5
QP152D	01376052	1500	3.4	0.80	184	10.0	5/8" - 24	18	7.5
QP201D	01376037	2000	2.8	0.70	184	6.0	5/8" - 24	15	7.5
QP202D	01376011	2000	2.8	0.80	184	10.0	5/8" - 24	18	7.5
QP301LD	01379403	3000	1.8	0.65	171	6.0	5/8" - 24	15	7.5
QP302LD	01379981	3000	1.8	0.75	171	10.0	5/8" - 24	18	7.5
QP381D	01375914	3800	1.5	0.70	184	6.0	5/8" - 24	15	7.5
QP511LD	01380062	5100	1.1	0.65	171	6.0	5/8" - 24	15	7.5
QP512LD	01380088	5100	1.1	0.75	171	10.0	5/8" - 24	18	7.5










Specifications at 6.2 bar (90 psi)

# Air Drills

## Production Drills | Angle



Direct drive

Ref.	CCN	 rpm	 rpm	 kg	 mm	 mm	 in	 mm	 mm	 l/s
<b>LEVER TO START</b>										
1LJ1A1	04725271	3700	1.1	0.51	234		¼ - 28		9	5.2
1LL1A1	04725263	2700	1.6	0.51	234		¼ - 28		9	5.2
5LK1A4-EU	01340124	3000	3.5	1.00	249	5.0		30	9	8.0
5LL1A4-EU	01340710	2200	4.5	1.00	249	5.0		30	9	8.0
5LL2A41-EU	01340199	1500	6.8	1.20	239	6.0		75	14	8.0
5LN2A43-EU	01340736	700	13.6	1.60	259	10.0		91	14	8.0
7LM3A43-EU	01339902	900	21.7	1.79	281	10.0		99	18	11.7
7LN3A44-EU	01339167	600	31.1	1.90	281	13.0		105	18	11.7
QA0539D	01390079	500	12.8	0.62	221	4.8		27	10	7.5
QA0559D	01389253	500	12.8	0.62	221		¼ - 28	27	10	7.5
QA0859D	01389261	850	7.6	0.62	221		¼ - 28	27	10	7.5
QA1239D	01390053	1270	4.5	0.62	221	4.8		27	10	7.5
QA2739D	89949267	2700	2.3	0.62	221	4.8		27	10	7.5
QA2759D	01379858	2700	2.3	0.62	221		¼ - 28	27	10	7.5









Specifications at 6.2 bar (90 psi)

# Air Drills

## Production Drills | Inline



Direct drive

Ref.	CCN	 rpm	 rpm	 kg	 mm	 mm	 in	 mm	 l/s
<b>LEVER TO START</b>									
<b>1LL1</b>	04725248	2800	1.7	0.51	194	6.0	3/8" - 24	17	5.2
<b>1S30MF4</b>	04725255	3000	1.9	0.54	186	6.0	3/8" - 24	17	5.2
<b>5LJ1-EU</b>	01340462	4800	2.3	0.90	205	6.0	3/8" - 24	21	8.0
<b>5LK1-EU</b>	01340116	3100	3.4	0.90	205	6.0	3/8" - 24	21	8.0
<b>5LL1-EU</b>	01340728	2300	4.5	0.90	205	6.0	3/8" - 24	21	8.0
<b>5LN3-EU</b>	01340405	1050	9.0	1.50	238	10.0	3/8" - 24	21	8.0
<b>QS151D</b>	01387257	1500	3.8	0.62	205	6.0	3/8" - 24	15	7.5
<b>QS301D</b>	01387273	3000	1.9	0.62	205	6.0	3/8" - 24	15	7.5
<b>QS381D</b>	01387281	3800	1.5	0.62	205	6.0	3/8" - 24	15	7.5
<b>QS511D</b>	01387299	5100	1.2	0.62	205	6.0	3/8" - 24	15	7.5

Specifications at 6.2 bar (90 psi)

# Air Drills

## Production Drills | Accessories

### Collets for Q2 angle drills

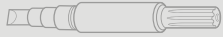
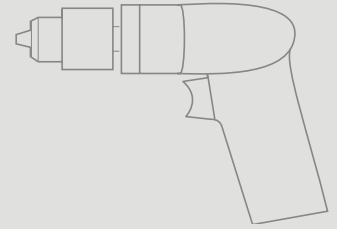
Ø mm	Ref. No	Ø mm	Ref. No	Ø mm	Ref. No	Ø mm	Ref. No
1.0	43497-60	2.1	43497-44	3.5	43497-28	4.9	43497-9
1.05	43497-58	2.2	43497-43	3.6	43497-27	5.0	43497-8
1.1	43497-57	2.3	43497-42	3.7	43497-25	5.1	43497-7
1.2	43497-56	2.4	43497-40	3.8	43497-24	1/16	43497-161
1.3	43497-55	2.5	43497-38	3.9	43497-23	5/64	43497-162
1.4	43497-54	2.6	43497-37	4.0	43497-20	3/32	43497-163
1.5	43497-53	2.7	43497-35	4.3	43497-18	7/64	43497-164
1.6	43497-52	2.8	43497-33	4.4	43497-16	1/8	43497-165
1.7	43497-51	2.9	43497-32	4.5	43497-15	9/64	43497-166
1.8	43497-50	3.0	43497-31	4.6	43497-14	5/32	43497-167
1.9	43497-48	3.2	43497-30	4.7	43497-13	11/64	43497-168
2.0	43497-45	3.4	43497-29	4.8	43497-11	3/16	43497-169

### Collets for models 5LL1A4-EU and 5LK1A4-EU








Ø mm	Ref. No	Ø mm	Ref. No
2.0	43497-45	5/64	43497-162
2.5	43497-38	3/32	43497-163
3.0	43497-31	7/64	43497-164
3.5	43497-28	1/8	43497-165
4.0	43497-20	9/64	43497-166
4.5	43497-15	5/32	43497-167
5.0	43497-8	11/64	43497-168
1/16	43497-161	3/16	43497-169

# Air Drills

## Precision Drills | Pistol



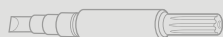
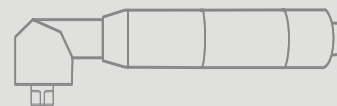
Direct drive

Ref.	CCN	 rpm	 rpm	 kg	 mm	 mm	 in	 mm	 l/s
TRIGGER START									
<b>P33006</b> -PSL	53430302	660	16.0	1.15	209	10.0	$\frac{3}{8}$ - 24	22	10.0
<b>P33011</b> -PSL	53430344	1100	9.5	1.15	209	10.0	$\frac{3}{8}$ - 24	22	10.0
<b>P33016</b> -PSL	53430385	1600	6.8	1.15	209	8.0	$\frac{3}{8}$ - 24	22	10.0
<b>P33022</b> -PSL	53430435	2200	4.5	1.05	194	8.0	$\frac{3}{8}$ - 24	22	10.0
<b>P33032</b> -PSL	53430468	3200	3.2	1.05	194	8.0	$\frac{3}{8}$ - 24	22	10.0
<b>P33054</b> -PSL	53430500	5400	1.9	1.05	194	6.0	$\frac{3}{8}$ - 24	22	10.0




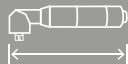



Specifications at 6.2 bar (90 psi)

# Air Drills

## Precision Drills | Angle Head



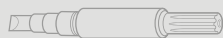
Direct drive

Ref.	CCN	 rpm	 rpm	 kg	 mm	 mm	 mm	 l/s
<b>WITH 30° ANGLE HEAD</b>								
P33006-DASL030P45	53448122	660	16.0	0.88	284	1.0 – 4.5	20	10.0
P33006-DASL030P64	53448130	660	16.0	0.88	296	1.6 – 6.4	32	10.0
P33011-DASL030P45	53448205	1100	9.5	0.88	284	1.0 – 4.5	20	10.0
P33011-DASL030P64	53448197	1100	9.5	0.88	296	1.6 – 6.4	32	10.0
P33016-DASL030P45	53448254	1600	6.8	0.88	284	1.0 – 4.5	20	10.0
P33016-DASL030P64	53448262	1600	6.8	0.88	296	1.6 – 6.4	32	10.0
P33022-DASL030P45	53433934	2200	4.5	0.77	269	1.0 – 4.5	20	10.0
P33022-DASL030P64	53448403	2200	4.5	0.77	281	1.6 – 6.4	32	10.0
P33032-DASL030P45	53434031	3200	3.2	0.76	269	1.0 – 4.5	20	10.0
P33032-DASL030P64	53448460	3200	3.2	0.76	281	1.6 – 6.4	32	10.0
P33054-DASL030P45	53448494	5400	1.9	0.76	269	1.0 – 4.5	20	10.0
P33054-DASL030P64	53448502	5400	1.9	0.76	281	1.6 – 6.4	32	10.0
<b>WITH 90° ANGLE HEAD</b>								
P33006-DASL090P45	53448148	660	16.0	0.88	277	1.0 – 4.5	31	10.0
P33006-DASL090P64	53448155	660	16.0	0.89	277	1.6 – 6.4	43	10.0
P33011-DASL090P45	53433918	1100	9.5	0.88	277	1.0 – 4.5	31	10.0
P33011-DASL090P64	53448221	1100	9.5	0.89	277	1.6 – 6.4	43	10.0
P33016-DASL090P45	53448288	1600	6.8	0.88	277	1.0 – 4.5	31	10.0
P33016-DASL090P64	53448296	1600	6.8	0.89	277	1.6 – 6.4	43	10.0
P33022-DASL090P45	53433959	2200	4.5	0.77	262	1.0 – 4.5	31	10.0
P33022-DASL090P64	53448429	2200	4.5	0.78	262	1.6 – 6.4	43	10.0
P33032-DASL090P45	53434049	3200	3.2	0.77	262	1.0 – 4.5	31	10.0
P33032-DASL090P64	53448478	3200	3.2	0.78	262	1.6 – 6.4	43	10.0
P33054-DASL090P45	53448510	5400	1.9	0.76	262	1.0 – 4.5	31	10.0
P33054-DASL090P64	53448528	5400	1.9	0.77	262	1.6 – 6.4	43	10.0
<b>WITH 180° ANGLE HEAD</b>								
P33006-DASL180P45	53448163	660	16.0	0.94	292	1.0 – 4.5	63	10.0
P33006-DASL180P64	53448171	660	16.0	0.96	304	1.6 – 6.4	63	10.0
P33011-DASL180P45	53448239	1100	9.5	0.94	292	1.0 – 4.5	63	10.0
P33011-DASL180P64	53448247	1100	9.5	0.96	304	1.6 – 6.4	63	10.0
P33016-DASL180P45	53448320	1600	6.8	0.94	292	1.0 – 4.5	63	10.0
P33016-DASL180P64	53448387	1600	6.8	0.96	304	1.6 – 6.4	63	10.0
P33022-DASL180P45	53433967	2200	4.5	0.83	277	1.0 – 4.5	63	10.0
P33022-DASL180P64	53448437	2200	4.5	0.85	289	1.6 – 6.4	63	10.0
P33032-DASL180P45	53434189	3200	3.2	0.82	277	1.0 – 4.5	63	10.0
P33032-DASL180P64	53448486	3200	3.2	0.84	289	1.6 – 6.4	63	10.0
P33054-DASL180P45	53448536	5400	1.9	0.82	277	1.0 – 4.5	63	10.0
P33054-DASL180P64	53448544	5400	1.9	0.84	289	1.6 – 6.4	63	10.0








Specifications at 6.2 bar (90 psi)

# Air Drills

## Precision Drills | Inline

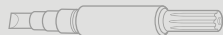


Direct drive






Ref.	CCN	 rpm	 rpm	 kg	 mm	 mm	 in	 mm	 l/s
<b>LEVER TO START</b>									
P33006-DSL	53430294	660	16.0	1.00	235	10.0	3/8 - 24	22	10.0
P33011-DSL	53430336	1100	9.5	1.00	235	10.0	3/8 - 24	22	10.0
P33016-DSL	53430377	1600	6.8	0.94	227	8.0	3/8 - 24	22	10.0
P33022-DSL	53430419	2200	4.5	0.90	212	8.0	3/8 - 24	22	10.0
P33032-DSL	53430450	3200	3.2	0.90	212	8.0	3/8 - 24	22	10.0
P33054-DSL	53430492	5400	1.9	0.90	212	6.0	3/8 - 24	22	10.0
P33110-DSL	53430526	11000	0.9	0.96	227	6.0	3/8 - 24	22	10.0
P33180-DSL	53430542	18000	0.6	0.90	212	6.0	3/8 - 24	22	10.0

Specifications at 6.2 bar (90 psi)

## Precision Drills | Motor Modules



Direct drive

Ref.	CCN	 rpm	 rpm	 kg	 mm	 mm	 l/s
<b>BUTTON CONTROL</b>							
P33032-DMSL-B	53433892	3200	3.2	0.64	164	22	10.0
P33054-DMSL-B	53433900	5400	1.9	0.63	164	22	10.0
<b>LEVER CONTROL</b>							
P33006-DMSL	53430328	660	16.0	0.79	179	22	10.0
P33011-DMSL	53430369	1100	9.5	0.79	179	22	10.0
P33016-DMSL	53430393	1600	6.8	0.79	179	22	10.0
P33022-DMSL	53430443	2200	4.5	0.68	164	22	10.0
P33032-DMSL	53430476	3200	3.2	0.67	164	22	10.0
P33054-DMSL	53430518	5400	1.9	0.67	164	22	10.0
<b>TRIGGER START</b>							
P33006-PMSL	53442604	660	16.0	0.92	161	21	10.0
P33011-PMSL	53442612	1100	9.5	0.92	161	21	10.0
P33016-PMSL	53442620	1600	6.8	0.92	161	21	10.0
P33022-PMSL	53442638	2200	4.5	0.81	146	21	10.0
P33032-PMSL	53442646	3200	3.2	0.80	146	21	10.0
P33054-PMSL	53442653	5400	1.9	0.80	146	21	10.0

Specifications at 6.2 bar (90 psi)

# Air Drills

## Precision Drills | Modular Drill Attachments



	Ref.	MAX	A	B mm	C mm	D mm	kg
	01 R33M000F1/4	8.0	A + 40	—	—	—	0.16
	02 R33M000F5/16	8.0	A + 40	—	—	—	0.16
	03 R33M000P64	6.4	A + 42	—	—	—	0.16
	04 R33M000M80	8.0	A + 81	—	—	—	0.38
	05 R33M030D17F1/4	6.4	A + 118	24.0	18	—	0.24
	06 R33M030D17P45	4.5	A + 112	19.5	18	—	0.24
	07 R33M030D17P64	6.4	A + 124	31.5	18	—	0.26
	08 R33M090D17F1/4	6.4	A + 105	36.0	18	—	0.24
	09 R33M090D17P45	4.5	A + 105	36.0	18	—	0.24
	10 R33M090D17P64	6.4	A + 105	43.5	18	—	0.26
	11 R33M090D25F1/4	8.0	A + 78	44.0	25	—	0.34
	12 R33M090D25F5/16	8.0	A + 78	44.0	25	—	0.34
	13 R33M090D25F80	8.0	A + 78	50.0	25	—	0.36
	14 R33M090D25M80	8.0	A + 81	98.5	30	—	0.54
	15 R33M090D25P80	8.0	A + 78	54.0	25	—	0.39
	16 R33M180D17F1/4	6.4	A + 124	64.0	18	36	0.30
	17 R33M180D17P45	4.5	A + 120	64.0	18	32	0.30
	18 R33M180D17P64	6.4	A + 131	64.0	18	44	0.32
	19 R33M180D25F1/4	8.0	A + 99	87.5	25	44	0.40
	20 R33M180D25F5/16	8.0	A + 99	87.5	25	44	0.40
	21 R33M180D25P80	8.0	A + 109	87.5	25	54	0.45

# Air Drills

## Precision Drills | Accessoires



### Collets for P33 angle drills and R33 heads

THREADED COLLETS FOR P45 HEADS		PLAIN COLLETS FOR P64 HEADS		PLAIN COLLETS FOR P80 HEADS		THREADED COLLETS FOR F80 HEADS	
Ø mm	Ref. No	Ø mm	Ref. No	Ø mm	Ref. No	Ø mm	Ref. No
1.0	120071	1.6	128250	2.4	128280	2.0	128310
1.5	120072	1.8	128251	2.6	128281	2.5	128311
2.0	120073	2.0	128252	2.8	128282	3.0	128312
2.2	120102	2.2	128253	3.0	128283	3.5	128313
2.4	120106	2.4	128254	3.2	128284	4.0	128314
2.5	120074	2.6	128255	3.4	128285	4.5	128315
3.0	120075	2.8	128256	3.6	128286	5.0	128316
3.1	120105	3.0	128257	3.8	128287	5.5	128317
3.2	120109	3.2	128258	4.0	128288	6.0	128318
3.25	120104	3.4	128259	4.2	128289	6.5	128319
3.3	120113	3.6	128260	4.4	128290	7.0	128320
3.5	120076	3.8	128261	4.6	128291	7.5	128321
3.6	123991	4.0	128262	4.8	128292	8.0	128322
3.7	121552	4.2	128263	5.0	128293	—	—
3.8	125783	4.4	128264	5.2	128294	—	—
3.9	120107	4.6	128265	5.4	128295	—	—
4.0	120077	4.8	128266	5.6	128296	—	—
4.1	120103	5.0	128267	5.8	128297	—	—
4.2	120110	5.2	128268	6.0	128298	—	—
4.5	120078	5.4	128269	6.2	128299	—	—
4.6	120111	5.6	128270	6.4	128300	—	—
4.7	125784	5.8	128271	6.6	128301	—	—
4.8	120112	6.0	128272	6.8	128302	—	—
4.9	121553	6.2	128273	7.0	128303	—	—
5.0	120079	6.4	128274	7.2	128304	—	—
—	—	—	—	7.4	128305	—	—
—	—	—	—	7.6	128306	—	—
—	—	—	—	7.8	128307	—	—
—	—	—	—	8.0	128308	—	—


# Air Drills

## Accessories for drills

### Common Accessories for Drills only

	Q2 Series	5 Series	7 Series	P33 Series
Chuck guard for straight and pistol models	TRD-A961-S (for 6 mm Ø) TRD-A961 (for 10 mm Ø)	5A-309 (for J, K, L ratio)	7AH-K309 (for H J, K, L ratio)	128037 (for 8 mm Ø max.)
Square drive adapter – 3/8"...	ROH-P212-3/8			
Quick change screwdriver bit adapter – 3/8"-24 thread x 1/4" hex drive	ROH-A925-4			
Keyless chuck – Thread 3/8" – 24 female/Industrial grade	CM-116688 (Ø 0 – 6 mm) 125605 (Ø 0 – 8 mm) 116689 (Ø 0 – 10 mm) 123194 (Ø 0 – 13 mm)			
Keyless chuck – Thread 3/8" – 24 female/Standard grade	KC10MM (Ø 0 – 10 mm) KC13MM (Ø 0 – 13 mm)			
Collets for 9/32" – 40 thread	5L1A4-700-G2.4 (Ø 2.4 mm) 5L1A4-700-G3.2 (Ø 3.2 mm) 5L1A4-700-G4.0 (Ø 4.0 mm) 5L1A4-700-G4.8 (Ø 4.8 mm)		—	—
Self-locking lever (for straight models only)	—	—	—	131655

### Drill chucks and keys (for replacement, supplied as standard with the drills)

	Gear Ratio	Ø mm		 Ref. No	 Ref. No
Q2 Series	—	0 – 6	3/8" – 24	ROH-99	R1H-J253
	—	0 – 10	3/8" – 24	6A-99	R0J-J253
5 Series	J, K, K2, L, L2	0 – 6	3/8" – 24	ROH-99	R1H-J253
	N, N2	0 – 10	3/8" – 24	R1M-99	R1M-J253
	5RA (L ratio)	0 – 10	3/8" – 24	R1M-99	R1M-J253
	5RA (N ratio)	2 – 13	3/8" – 24	R0K-99	R1T-J253
7 Series	H, J	0 – 6	3/8" – 24	R00A-99	R00A-J253
	K	0 – 10	3/8" – 24	6A-99	R0J-J253
	L, M, M3	0 – 10	3/8" – 24	R1M-99	R1M-J253
	N, N3, Q	2 – 13	3/8" – 24	R0K-99	R1T-J253
P33 Series	—	0 – 6	3/8" – 24	117269	117271
	—	0 – 8	3/8" – 24	CM115-313	117271
	—	0 – 10	3/8" – 24	117311	117312



## Other Air Tools

Air taper tools are ideal for low-cost, automated hole tapping in applications where high precision is not required. Also excellent for thread-chasing operations. Air riveters allow you to accurately and easily control tease throttle, the operator can change power on the job with no downtime. Air Sanders are compact and versatile while still allowing you high-precision work.



## Other Air Tools

### Air Tappers

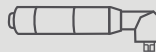


#### Pistol

Direct drive

98

### Air Sanders



#### Angle head

Direct drive

98

### Air Riveters



#### Pistol

Direct drive

99



#### Inline

Direct drive

99

### Accessories

100

# Other Air Tools

## Series Information

### Q2 Series: Air Tappers

#### Air Tappers

- Rated power: 0.24 kW
- Sound level: 75 dBa
- Tool air inlet connection: 1/4" NPT
- Hose min. internal diameter: 6 mm



QP1S10D8

### 7 Series: Air Tappers

#### Air Tappers

- Dead handle assembly on 7 Series
- Rated power: 0.44 kW
- Sound level: 79 dBa
- Tool air inlet connection: 1/4" NPT
- Hose min. internal diameter: 8 mm



7RAQT4-EU

# Other Air Tools

## Series Information

### AVC Series: Air Riveters

Accurate and easily controlled lightweight air riveters

- Beehive type rivet set retainer
- Tease throttle on models AVC10A1-EU, AVC12A1-EU and AVC13A1-EU
- Sound level: 94 - 97 dBa
- Tool air inlet connection: 1/4" NPT
- Hose min. internal diameter: 8 mm



AVC13A1-EU



AVC10A1-EU

### PBA Series: Air Sanders

**Air Sanders**

- POLA15000 delivered without pad
- Rated power: 0.22 kW
- Sound level: 78 dBa
- Tool air inlet connection: 1/4" BSP
- Hose min. internal diameter: 13 mm



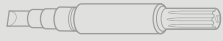
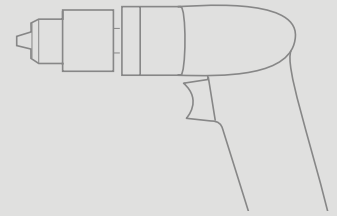
PBA416











POLA15000

# Other Air Tools

## Air Tappers | Pistol



Direct drive








Ref.	 1 min rpm	 MAX Nm Nm	 kg	 mm	 MAX mm	 in	 mm	 l/s
<b>TRIGGER START</b>								
<b>QP1S10D8D</b>	1000	5.2	0.85	183	6	Conical (CM1)	15	7.5
<b>QP1S05D8D</b>	500	9.8	0.85	183	6	Conical (CM1)	15	7.5
<b>7RAQT4-EU</b>	475	27	1.50	300	13	Conical (CM1)	22	12.7

Specifications at 6.2 bar (90 psi)

# Air Sanders | Angle



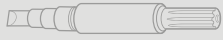
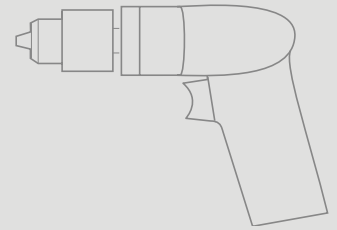
Direct drive

Ref.	 1 min rpm	 mm	 mm	 mm	 kg	 mm	 l/s
<b>BUTTON CONTROL</b>							
<b>PBA416</b>	15000	—	—	475 x 15	1.05	65	9.7
<b>POLA15000</b>	15000	20-30-46-76	6.35	—	0.65	90	9.7








Specifications at 6.2 bar (90 psi)

# Other Air Tools

## Air Riveters | Pistol

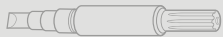


Direct drive








Ref.	Aluminum ø mm	Dural & soft icon ø mm	 mm	 kg	 mm	 ø mm	 1 min.	 ø mm	 l/s
<b>TRIGGER START</b>									
<b>AVC10A1-EU</b>	3	3	143	1.2	48	14	3200	10	6
<b>AVC12A1-EU</b>	5	5	191	1.4	76	14	2100	10	6
<b>AVC13A1-EU</b>	6	6	216	1.5	101	14	1725	10	6
<b>AVC26A1-EU</b>	10	8	276	2.3	152	19	1120	12.7	7

Specifications at 6.2 bar (90 psi)

## Air Riveters | Inline



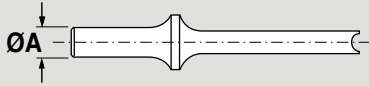
Direct drive

Ref.	Aluminum ø mm	Dural & soft icon ø mm	 mm	 kg	 mm	 ø mm	 1 min.	 ø mm	 l/s
<b>TRIGGER START</b>									
<b>AVC10C1-EU</b>	3	3	172	0.95	48	14	3200	10	6
<b>AVC26B1-EU</b>	10	8	359	3.1	152	14	1120	12.7	7

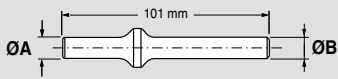
Specifications at 6.2 bar (90 psi)

# Air Riveters

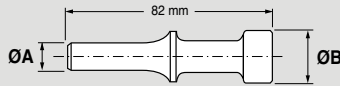
## Accessories



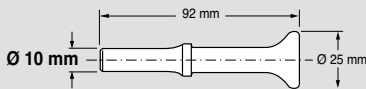
$\sigma$ A mm	$\sigma$ mm	Button head	Round head	Brazier head	Mushroom head	Flat head	Universal head
10	1	—	AV1-22B-2	—	—	—	—
10	2	—	—	—	—	—	AV1-22H-3
10	3	AV1-22A-4	AV1-22B-4	AV1-22C-4	—	—	—
10	4	—	—	AV1-22C-5	—	—	AV1-22H-5
10	5	AV1-22A-6	AV1-22B-6	AV1-22C-6	—	AV1-22G-8	AV1-22H-6
10	6	AV1-22A-8	AV1-22B-8	AV1-22C-8	AV1-22F-8	AV1-22G-8	AV1-22H-8
10	8	AV1-22A-10	AV1-22B-10	AV1-22C-10	—	AV1-22G-10	—
12.7	5	—	—	AV24-222C-6	—	—	AV24-222H-6
12.7	6	AV24-222A-8	AV24-222B-8	AV24-222C-8	—	AV24-222G-8	—
12.7	8	AV24-222A-10	AV24-222B-10	—	AV24-222F-10	AV24-222G-10	AV24-222H-10
12.7	9	AV24-222A-12	—	—	—	—	—



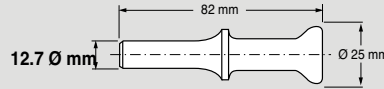
$\sigma$ A mm	$\sigma$ B mm	Ref. No
10	13	AV1-22S-16
10	16	AV1-22S-20
10	19	AV1-22S-24
10	22	AV1-22S-28



$\sigma$ A mm	$\sigma$ B mm	Ref. No
12.7	21	AV24-222S-26
12.7	30	AV24-222S-38



Ref. No. AV1-126D



Ref. No. AV24-126D

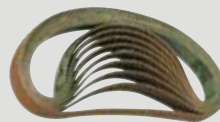
# Air Sanders

## Accessories for POLA 15000



Rubber pad for self-adhesive discs

$\sigma$ mm	Ref.
20	117155
30	116920
46	116930
76	116940



475 x 15 mm sanding belts (pack of 10 belts)

Grit	Ref.
36	002300
40	002301
50	002302
60	002303
80	002304
100	002305
120	002306



Collet for replacement

$\sigma$ mm	Ref.
6	122629

# Airline Accessories

## Filters – Regulators – Lubricators

- Max. inlet pressure: 17 bar (250 psi)
- Filter element 5µ
- Automatic drain
- Metallic bowl (with sight glass on 3/8" and 1/2" models)
- Gauge
- Temperature range: -18°C to +79°C



COM. FILTER REGULATOR

COMBINED UNIT (FRL)

Ref.	in	bar l/min	ml	A mm	B mm	C mm
<b>COM. FILTER REGULATOR</b>						
P39124-624	1/4" NPT	0 – 10	1330	12	157	—
P39234-614	3/8" NPT	0 – 10	2550	38	229	—
P39344-614	1/2" NPT	0 – 10	4870	83	276	—
<b>COMBINED UNIT (FRL)</b>						
C38121-821	1/4" NPT	0 – 10	1300	21/21	120	148
C38231-811	3/8" NPT	0 – 10	2400	30/44	168	168
C38341-811	1/2" NPT	0 – 10	4250	83/110	221	217



## Bracket for Filter/Regulator (F.R.)

F.R. model	Ref. bracket
P39124-624	104403
P39234-614	104404
P39344-614	104405



Modular pipe adapter

Lockout valve

Modular clamp

F.R. model	F.R.L model	Adapter port size	Ref. Adapter	Ref. lockout valve	Ref. modular clamp
P39124-624	C38121-821	1/8" NPT	104474-1	1044390-2 (1/4" NPT port size)	104394
		1/8" BSP	104474-A		
		1/4" BSP	104474-B		
P39234-614	C38231-811	1/4" NPT	104475-2	104391-3	104395 (3/8" NPT port size)
		1/4" BSP	104475-B		
		3/8" BSP	104475-C		
P39344-614	C38341-811	3/8" NPT	104398-3	104392-4 (1/2" NPT port size)	104396
		3/8" BSP	104398-C		
		1/2" BSP	104398-D		








## Supercoil™ recoil hose assemblies


Ref.	mm	in	m	m	mm
IR36103	9.5	1/4" NPT	3	2.5	150
IR36203	9.5	1/4" NPT	6	5.0	340
IR36303	9.5	1/4" NPT	9	8.0	520
IR36102	9.5	3/8" NPT	3	2.5	150
IR36202	9.5	3/8" NPT	6	5.0	340
IR36302	9.5	3/8" NPT	9	8.0	520
IR37102	13	1/2" NPT	3	2.5	165
IR37202	13	1/2" NPT	6	5.0	380
IR37302	13	1/2" NPT	9	8.0	580

# Fastening and Drilling Tools

## Accessories

Horizontal hanger (for pistol models only)	
Horizontal hanger (for angle models only)	
Vertical hanger (for straight and angle models only)	
Dead handle	
Piped away exhaust kit (for straight models only)	
Exhaust hose	
Comfort grip (straight and angle/lever)	
Comfort grip (pistol screwdrivers)	
Replacement clutch adjusting key (shut-off and cushion clutch models)	
Clutch springs/min. torque	

### For Q2 screwdrivers only

Color differentiating components: pistol buttplate (for pistol models)	<ul style="list-style-type: none"> <li>TRP-B-R (orange)</li> <li>TRP-B-G (green)</li> <li>TRP-B-B (blue)</li> <li>TRP-B-Y (light grey)</li> </ul>	
Color differentiating components: flanged adjustment cover (for straight models)	<ul style="list-style-type: none"> <li>TRH-40-23-R (orange)</li> <li>TRH-40-23-G (green)</li> <li>TRH-40-23-B (blue)</li> <li>TRH-40-23-Y (light grey)</li> </ul>	
Color differentiating components: non-flanged adjustment cover (for straight models)	<ul style="list-style-type: none"> <li>TRH-40-24-R (orange)</li> <li>TRH-40-24-G (green)</li> <li>TRH-40-24-B (blue)</li> <li>TRH-40-24-Y (light grey)</li> </ul>	

Q2 Series	41 Series	5 Series	7 Series	8 Series	9 Series	LD Series	BALD Series	Power Pulse	P33 Series
TRP-A365	48934	7RA-A366	7RA-A366	—	—	124621	124621	EQ106P-365	118303
<b>3RA-365</b> (angle drills only)	48934	6WS-366	6WS-366	8SL-366	9SL-366	—	129851 (except 1202)	—	—
7L-365	IR48426-1	5RL-365	7L-365	7L-365	—	118303	118303	<b>EQ106S-365</b> (except 900, 1100, 1900, and 3000)	128065
—	48931	728N-A48 + 5A-49 (x2)	R1A-A48 + 7A-49 (x2)	9SL-48 + 8SL-A60	9SL-48 + 9SL-A60	—	—	—	131899
LG1-K284	—	5L-K184	7L-K284	—	—	—	—	—	—
3RL-284	46490 + 46477	—	—	—	—	—	—	—	—
—	—	CG-5RL (except angle wrenches)	CG-7RL CG-7RLD (angle wrenches)	—	—	—	—	—	—
TRP-40-1 (small)	—	CG-5RA	CG-7RA	—	—	—	—	—	—
TRH-478	(standard screwdriver)	5C1-416	5C1-416	—	—	124397 (LD12, LD22)	124397 (BALD12,22)	<b>04352241</b> (1.5 mm) 04355012 (2.0 mm) <b>04352258</b> (5.0 mm)	—
—	—	—	—	—	—	124542 1 Nm: LD12 and BALD12, except 1202 <b>419300</b> 1.5 Nm: LD22& BALD22, except 2203 <b>127407</b> 3 Nm: LD/BALD32	—	—	—

### Variacor air hose universal joint

Ø A	Ø B	Ref.
1/8" NPT	1/4" BSP	DV7MN18FB14
1/4" NPT	1/4" BSP	DV7MN12FB14
1/4" BSP	1/4" BSP	DV7MB14FB14
3/8" BSP	3/8" BSP	DV11MB38FB38







# Accessories

## Calibration Equipment



EXTT – TORQUE TESTER




EXTA – TORQUE ANALYSER

### EXTA & EXTT Expert Torque Analyser / Tester

- Monitors torque, angle, time, and pulse count
- Reads in peak, click, pulse, or track mode
- Stores 200 time-stamped readings
- Auto-recognition of Smart transducers
- Seven units of measure
- Selectable filter frequencies
- DC tool calibration via ICS software
- Selectable power-save settings
- Selectable languages include English, French, German, Italian, and Spanish

### EXTT Series — Expert Torque Testers

Model	CCN	 Nm	Rundown Adapter*	Rundown Adapter Service Kit
EXTT-1	45654043	0.1 – 1	ETT-RA-1	ETT-RA-1-KIT
EXTT-4	45654050	0.4 – 4	ETT-RA-4	ETT-RA-40-KIT
EXTT-12	45654068	1.2 – 12	ETT-RA-12	ETT-RA-12-KIT
EXTT-30	45654076	3.0 – 30	ETT-RA-30	ETT-RA-30-KIT

\* EXTT tester includes rundown adapter, carrying case, battery charger, manuals, and a certificate of calibration.

### EXTA Torque Analyser:

Designed for portability and use with a broad range of external transducers

Part no. <sup>(1)</sup>	CCN	External transducer	Data transfer	Auto recognition
EXTA	45654035	Smart of Industry standard	PC or printer	Yes

(1) EXTA torque analyser includes carrying case, battery charger, manuals, and neck strap.

# Accessories

## Calibration Equipment

### Rotary Transducers

They are used mainly to control dynamic torque reached during fastening operations performed with mechanical or hand tools. With appropriate joint simulators recommended by Ingersoll Rand, they can also be used in laboratories and workshops.

Part no. Industry Standard	Part no. Smart transducers <sup>(1)</sup>		Torque range (Nm)	Drive size (in)
	Torque only	Torque & angle		
TR5H4	TRD5H4	TRDA5H4	0.25 – 5	¼" ⌀
TR20H4	TRD20H4	TRDA20H4	1 – 20	¼" ⌀
TR20S4	TRD20S4	TRDA20S4	1 – 20	¼" ⌀
TR75S6	TRD75S6	TRDA75S6	3.8 – 75	⅜" ⌀
TR180S8	TRD180S8	TRDA180S8	9 – 180	½" ⌀
TR250S12	—	—	12.5 – 250	¾" ⌀
TR500S12	TRD500S12	TRDA500S12	25 – 500	¾" ⌀

(1) TRD & TRDA are automatically recognized and calibrated for immediate use when attached to EXTA with fixed cable provided.



TR and TRD rotary transducers



JKR joint simulator

### Joint simulators for rotary transducers

Part no.	Max. torque (Nm)	Output drive (in)	Input drive (in)	Joint thread
JKR20	28	¼	⌀ 13	M8 – 1.25
JKR75	75	⅜	⌀ 19	M12 – 1.75
JKR180	180	½	⌀ 24	M16 – 2.0
JKR500	500	¾	⌀ 36	M24 – 3.0

TS transducer with optional cable and JKS joint



TS transducer

### Stationary Transducers

They are used both in workshops as well as on assembly lines. They allow quick check of the torque set of a power or hand tool. For power tool verification they are usually used with an appropriate joint simulator. The simulator joint rate can be adjusted to emulate different joint conditions from hard to soft. Transducers with joint simulator kits are very useful in tool cribs to preset power tools for production and test power tool capability under different joint rates.

TRANSDUCER Part no.	Max. torque (Nm)	Drive size (in)	JOINT SIMULATOR Part no.	Max. torque (Nm)	Input drive (in)	Joint thread (mm)	Replacement bolt kit for joint simulator
TS30S4 <sup>(2)</sup>	1.5 – 30	¼	JKS30	20	⌀ 13	M8 – 1.25	JKS30-BKIT
TS150S6 <sup>(2)</sup>	7.5 – 150	⅜	JKS150	75	⌀ 19	M12 – 1.75	JKS150-BKIT
TS300S8 <sup>(2)</sup>	15 – 300	½	JKS300	180	⌀ 24	M16 – 2.0	JKS300-BKIT
TS1000S12 <sup>(2)</sup>	50 – 1000	¾	JKS1000	500	⌀ 36	M24 – 3.0	JKS1000-BKIT

Transducers overload capacity up 110% of full capacity, accuracy: 0,3% FSD, zero offset stability 0,1%/°C, operating temperature: 5 – 40°C.

(2) Also available as TSD "Smart" Series with fixed cable and automatic recognition and calibration by EXTA.

# Accessories

## Bench-Mounted Torque Reaction Arms

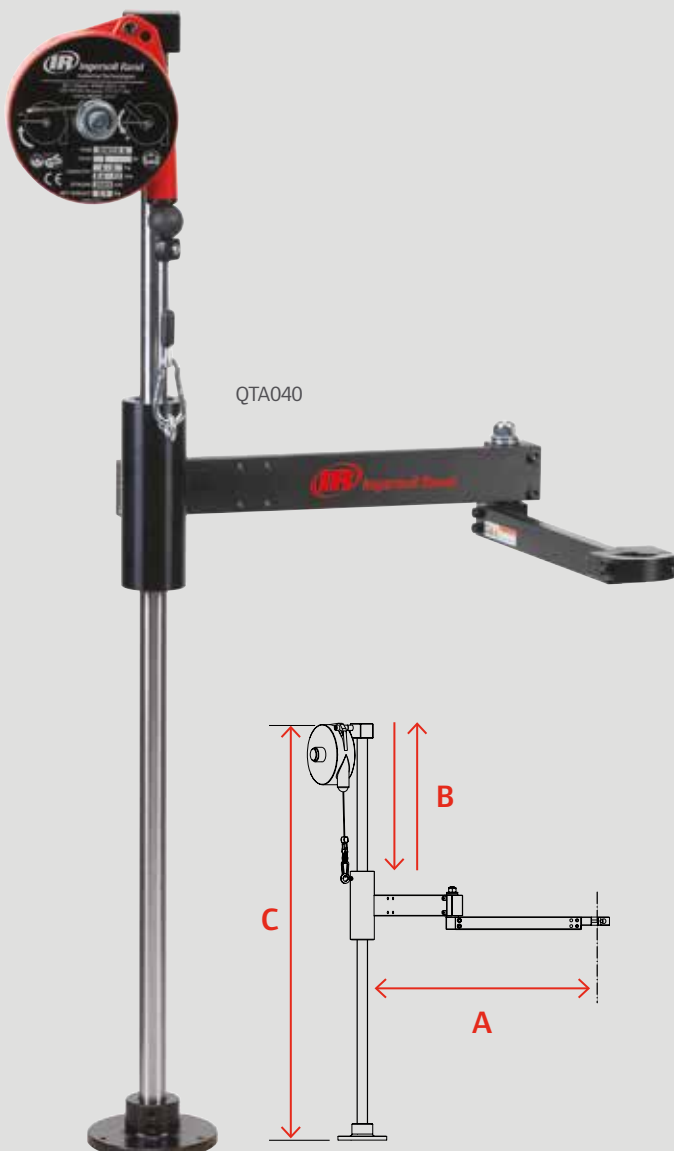


### Standard Equipment

- Anodized aluminum body on bearing and chrome-plated pole
- Die-cast aluminum spring balancer
- Standard inline tool holder up to 100 Nm<sup>(1)</sup>
- Cable management clips to route air hose or DC tool cable

### Specifications

Ref.	MAX Nm Nm	kg	A mm	B mm	C mm
QTA010	10	1.2	380	330	706
QTA020	20	2.3	508	368	808
QTA040	40	3.0	635	445	1008
QTA100	100	3.6	762	445	1008
QTA150 <sup>(2)</sup>	150	4.5	1321	559	2000



(1) See following page for other tool holders.

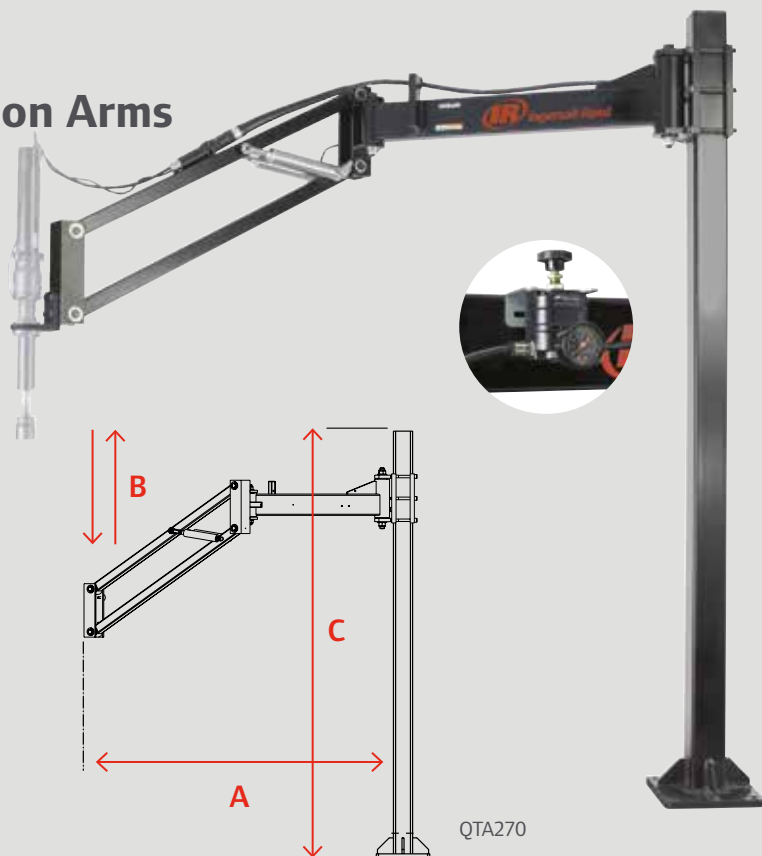
(2) The QTA150 can be easily configured as either a bench-mounted or floor-mounted torque arm and reconfigured as the job demands.

# Accessories

## Floor-Mounted Torque Reaction Arms

### Standard Equipment

- Adjustable arm height at column
- Air cylinders and regulator
- Cable management clips to route air hose or DC tool cable
- Safety stop



### Specifications

Ref.	MAX Nm Nm	kg	A mm	B mm	C mm
QTA270	270	10	1524	477	2000
QTA475	475	23	2007	590	2000



### Generic clamp style tool holders

Type – Tipo	QTA010	QTA020	QTA040	QTA100
Inline (included with arm)	ITC010-1C	ITC040-1C	ITC040-1C	ITC100-1C
<b>1</b> Right Angle	ATC010-1C	ATC040-1C	ATC040-1C	ATC100-1C
<b>2</b> Pistol	PTC010-1C	PTC040-1C	PTC040-1C	—
<b>3</b> Rotating	RTC010-1C	RTC040-1C	RTC040-1C	—
<b>4</b> 1/4" NPT	NTC010-1T	—	—	—



Generic tool holders are available for arms up to 100 Nm (these arms are delivered with an inline tool holder as standard). Flange mounting is recommended for inline tools with torque capacity above 40 Nm.

Please note the tool diameter range for generic holders: QTA010: 25 – 40 mm, QTA020/QTA040/QTA100: 28 – 52 mm.

# Accessories

## QA Series and QE Series Tool Holders



Ingersoll Rand Tools	QTA010	QTA020	QTA040	QTA100	QTA150	QTA270	QTA475
<b>LEVER TO START</b>							
<b>QE4</b>	—	CTC040-K1B	CTC040-K1B	—	—	—	—
<b>QE6</b>	—	CTC040-K2B	CTC040-K2B	—	—	—	—
<b>QE8</b> with  (GEM120-K48)	—	—	—	—	CTC150-K2B	—	—
<b>QE8</b> with  (integrated flange)	—	—	—	—	CTC150-K3B	CTC270-K3B	—
<b>QE8 230 Nm</b>	—	—	—	—	—	CTC270-K4B	—
<b>QE8 400 Nm</b>	—	—	—	—	—	—	CTC475-K5B
<b>QA4</b>	—	CTC040-K6B	CTC040-K6B	CTC100-K6B	—	—	—
<b>QA4 &lt; 28 Nm &amp; QA6</b>	—	CTC040-K1B	CTC040-K1B	CTC100-K1B	—	—	—
<b>QA4 46 Nm</b>	—	—	—	CTC100-K2B	—	—	—
<b>QA8 &lt; 151 Nm</b>	—	—	CTC040-K1B	CTC100-K1B	CTC150-K2B	—	—
<b>QA8 &lt; 56 Nm</b>	—	—	CTC040-K1B	CTC100-K1B	CTC150-K2B	—	—
<b>QA8 &gt; 150 Nm</b>	—	—	—	CTC100-K2B	CTC150-K3B	CTC270-K3B	—
<b>QA8 &gt; 55 Nm</b>	—	—	—	CTC100-K2B	CTC150-K3B	CTC270-K3B	—
<b>PUSH TO START</b>							
<b>QE4</b>	CTC040-K1P	CTC040-K1P	CTC040-K1P	—	—	—	—

Note: Every Ingersoll Rand QE- or QA-specific tool holder listed in the table above accepts both angle and inline tools but requires an integrated flanged gear case or bolt-on mounting flange to attach the tool holder to the tool.

If your tool came with mounting style P (with letter "P" in the model number) order Part No. 15E4-K48 for any Ingersoll Rand-specific tool holder that ends with "1B" – Order Part No. GEM120-K48 for any Ingersoll Rand-specific tool holder that ends with "2B" – Order Part No. QA4-K48 for any Ingersoll Rand-specific tool holder that ends with "6B".

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