

AUTO SHUT-OFF IMPULSE TOOLS

DPTS Series





PRODUCTIVE SOLUTIONS

As an industrial process expert, we help you meet your challenges.

Productivity, safety, quality, industry 4.0 are themes on which we can offer you our expertise and our solutions. Whether in the field of assembly technology, machining or welding, our dedicated and specialised teams accompany your progress and recommend solutions and equipment to reach performance levels in line with your industrial strategy.



Certified quality

From design to commissioning, DOGA guarantees the quality of this equipments and services according to ISO 9001: 2015 certification.

5 reasons to trust us



Expertise

Our Field experts propose you solutions adapted to your environment and specific needs.



Innovation

By developing the products and the services of tomorrow, we offer you new perspectives or prospects.



Performance

Our high added value solutions improve your performances and guarantee the final quality of the production.



Commitment

Aware of your objectives, we commit ourselves to helping you to reach them.



Reliability

Our organization which has been ISO 9001 certified since 1996, is the guarantee of your satisfaction.



ASSEMBLY
TECHNOLOGY

As world class assembly technology player, we manufacture and market equipments and solutions for the assembly industry which contribute to the improvement of your manufacturing quality and productivity.

Our assembly, ergonomics and traceability solutions contribute to enhancing your productivity, controlling your process quality and meet the requirements of industry 4.0.

We offer products designed to last and high value-added services by relying on our teams know-how and expertise : design, production, installation, start-up, training and maintenance. We support you locally thanks to our worldwide presence through our subsidiaries and our specialized distribution network.



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SOMMAIRE

AUTO SHUT-OFF IMPULSE TOOLS

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FOR EXTRAORDINARY SPEED AND POWER

If speed and power define our impulse screwdrivers, their compactness and lightness characterize them.

Pistol, straight or angle shut-off, all equipped with an air mechanism, they deliver torque quickly without any reaction to the torque in the user's hand. They also have an unrivaled power to weight ratio.

RANGE



Pistol

The impulse gun models offers a high tightening speed compared to conventional screwdrivers. There is little noise and vibration.



Straight

The straight impulse screwdriver is ideally designed for vertical screwdriving.

The non-slip grip handle as well as the low decibel and vibration levels greatly reduce the hardship for the operator.



Angle head

With a very good weight/power ratio and good ergonomics, DPTS angle head screwdrivers are dedicated to high-speed applications. These tools allow high-speed assembly operations without torque reactions.

DPTS PISTOL SERIES

Our DPTS series impulse gun screwdrivers are ideal for perform fast and precise tightening thanks to their high rotation speed and adjustable automatic shut-off.

Compact and without torque reaction, they are extremely comfortable.



✓ Comfort

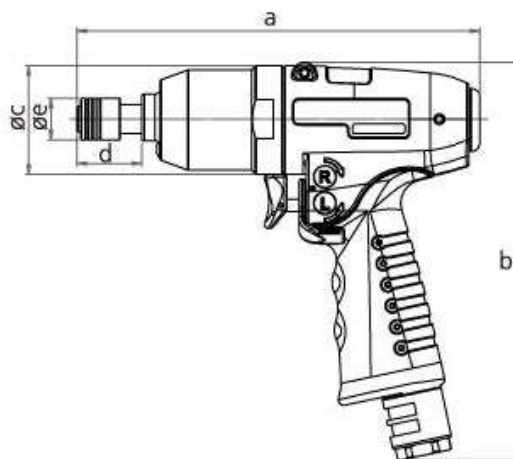
- Without reactive torque in the operator's hand
- Lightweight
- Compact

✓ Productivity

- High rotation speed: from 4 100 to 6 200 Tr/min
- From 5,5 to 450 Nm

✓ Quality

- Tightening precision thanks to adjustable automatic cut-off



1/4 " quick chuck pistol pulse screwdrivers

Model	Capacity	Torque (Nm)* 5-6 bars	Speed (Tr/min)		Weight (Kg)	Noise (dB(A))	Debit (l/s)	a (mm)	b (mm)	c (mm)	d (mm)	e (mm)	Code
			5 bars	6 bars									
DPTS 30 HD	M5	5,5 - 13	4 100	4 600	0,89	78	4,2	163	168	Ø46	21	Ø17,5	4-1080021
DPTS 40 HD	M5-M6	9 - 18	4 100	4 600	0,92	78	4,2	170	168	Ø46	27	Ø17,5	4-1080022
DPTS 50 HD	M6-M8	13 - 26	6 800	7 200	0,92	80	5,8	170	168	Ø46	27	Ø17,5	4-1080023
DPTS 60 HD	M8	18 - 30	5 900	6 200	1,00	82	6,7	181	168	Ø46	27	Ø17,5	4-1080024



Internal air hose diameter:

DPTS 30/40/50HD: 6,5 mm

DPTS 65/80: 8 mm

Recommended air pressure: 5 - 6 bars dynamic

Air inlet: BSP G1/4

*Torque value mesured on hard point (< 30 °)

3/8" pistol pulse screwdrivers

Model	Capacity	Torque (Nm)* 5-6 bars	Speed (Tr/min)		Weight (kg)	Noise (dB(A))	Debit (l/s)	a (mm)	b (mm)	c (mm)	d (mm)	e (mm)	Code
			5 bars	6 bars									
DPTS 30	M6	6 - 13	4 300	4 600	0,89	78	4,2	167	168	Ø46	24	Ø12	4-1084190
DPTS 40	M5 - M6	10 - 19	4 300	4 600	0,92	78	4,2	167	168	Ø46	24	Ø12	4-1080008
DPTS 50	M6 - M8	14 - 28	6 800	7 200	0,92	80	5,8	167	168	Ø46	24	Ø12	4-1080009
DPTS 60	M8	20 - 35	5 900	6 200	1,00	80	6,7	178	168	Ø46	24	Ø12	4-1080010
DPTS 65	M10	27 - 45	4 500	4 800	1,08	82	4,3	189	168	Ø46	24	Ø12	4-1058450
DPTS 70X	M8 - M10	34 - 57	5 200	5 400	1,08	82	7,5	189	168	Ø46	24	Ø12	4-1090005
DPTS 70	M8 - M10	34 - 57	6 900	7 200	1,35	82	7,5	194	192	Ø53,5	25	Ø12	4-1080011
DPTS 80	M10 - M12	40 - 70	4 800	5 100	1,21	82	5,0	194	192	Ø53,5	25	Ø16	4-1058451

Internal air hose diameter:

DPTS 40/50HD: 6,5 mm

DPTS 60/70: 8 mm

* Torque value measured on hard point (< 30°)

Recommended air pressure: 5 - 6 bars dynamique

Air inlet: BSP G1/4



1/2" pistol pulse screwdrivers

Model	Capacity	Torque (Nm)* 5-6 bars	Speed (Tr/min)		Weight (kg)	Noise (dB(A))	Debit (l/s)	a (mm)	b (mm)	c (mm)	d (mm)	e (mm)	Code
			5 bars	6 bars									
DPTS 90	M10 - M12	57 - 90	5 000	5 400	1,55	83	8,8	200	192	Ø53,5	31	Ø16	4-1080012
DPTS 100	M10-M12	72 - 120	5 000	5 300	1,87	84	9,2	209	195	Ø59	32	Ø16	4-1080013
DPTS 130	M12 - M14	113 - 148	3 300	3 600	2,26	86	12,2	216	204	Ø64	31	Ø16	4-1080014

Internal air hose diameter:

DPTS 90/100: 8 mm

DPTS 130: 11 mm

* Torque value measured on hard point (< 30°)

Recommended air pressure: 5 - 6 bars dynamique

Air inlet: BSP G1/4



3/4" pistol pulse screwdrivers measured on a clean assembly

Model	Capacity	Torque (Nm)* 5-6 bars	Speed (Tr/min)		Weight (kg)	Noise (dB(A))	Debit (l/s)	a (mm)	b (mm)	c (mm)	d (mm)	e (mm)	Code
			5 bars	6 bars									
DPTS 150	M16	145-210	3 500	3 700	3,15	86	12,2	239	215	Ø72	40	Ø25	4-1088200
DPTS 180	M16-M18	180-255	2 500	2 700	3,9	86	7,3	264	232	Ø78	41	Ø25	4-1058452

Internal air hose diameter:

DPTS 150/180: 11 mm

* Torque value measured on hard point (< 30°)

Recommended air pressure: 5 - 6 bars dynamique

Air inlet: BSP G1/4



3/4" pistol pulse screwdrivers measured on elastic assembly

Model	Capacity	Torque (Nm)* 6-7 bars	Speed (Tr/min)		Weight (kg)	Noise (dB(A))	Debit (l/s)	a (mm)	b (mm)	c (mm)	d (mm)	e (mm)	Code
			6 bars	7 bars									
DPTS 200	M18-M20	280- 450	3 000	3 100	4,25	88	23	250	240	Ø82	38	Ø25	4-1090146

Internal air hose diameter:

DPTS 200: 12,7 mm

* Torque value measured on a elastic point (M20-540°)

Recommended air pressure: 6 - 7 bars dynamique

Air inlet: BSP G3/8



DPTS STRAIGHT SERIES

Our DPTS Series Straight Pulse Screwdrivers are ideal for fast and accurate screwdriving thanks to their high rotation speed and adjustable automatic shut-off.

Compact and without torque reaction, they are extremely comfortable. They have an unequalled weight/power ratio. Productivity and comfort are present.



✓ Comfort

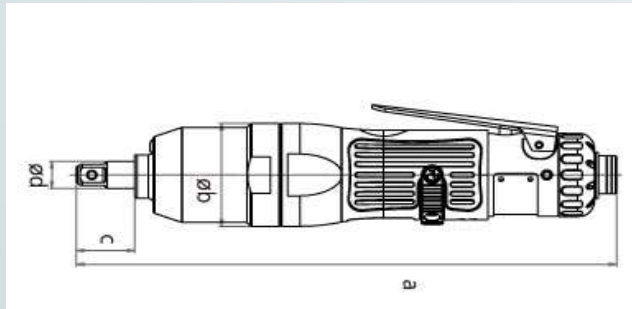
- No torque reaction for operator wrist
- Light
- Compact

✓ Productivity

- High rotation speed: 3 900 to 6 800 Rpm
- 5 to 47 Nm

✓ Quality

- Clamping accuracy with adjustable automatic cut-off



- Lubricated air is requested.
- The torques indicated for DPTS 30 to 180 are torques measured in laboratory on a static torque transducer, without simulator in pulse mode with a 1024 Hz filter. The friction torque and the elasticity of the coupling may affect the torque applied on the part. We recommend using a torque wrench to actually check the torque applied to your assembly.
- Torque values for DPTS 200 are measured in the laboratory, on static torque transducer, on elastic simulator (M20-540°) in pulse mode with 1024 Hz filter.

1/4" quick release bit holder straight pulse screwdrivers

Model	Capacity	Torque (Nm)* 5-6 bars	Speed (Tr/min)		Weight (kg)	Noise (dB(A))	Debit (l/s)	a (mm)	b (mm)	c (mm)	d (mm)	Code
			5 bars	6 bars								
DPTS 30 SHD	M5	5 - 12	3 900	4 200	0,77	78	4,2	219	Ø46	21	Ø17,5	4-1080040
DPTS 40 SHD	M5-M6	9 - 17	3 900	4 200	0,80	78	4,2	224	Ø46	27	Ø17,5	4-1080041
DPTS 50 SHD	M6-M8	13 - 26	6 500	6 800	0,80	80	5,8	224	Ø46	27	Ø17,5	4-1080042
DPTS 60 SHD	M8	18 - 30	5 700	6 000	0,86	80	6,7	235	Ø46	27	Ø17,5	4-1080043

Internal air hose diameter:

DPTS 30/40/50 SHD: 6,5 mm

DPTS 60 SHD: 8 mm

Recommended air pressure: 5 - 6 bars

Air inlet: BSP G1/4

* Torque value measured on hard point (< 30°)



3/8" straight pulse screwdrivers

Model	Capacity	Torque (Nm)* 5-6 bars	Speed (Tr/min)		Weight (kg)	Noise (dB(A))	Debit (l/s)	a (mm)	b (mm)	c (mm)	d (mm)	Code
			5 bars	6 bars								
DPTS 30 S	M6	6 - 13	3 900	4 200	0,80	78	4,2	221	Ø46	24	Ø12	4-1084120
DPTS 40 S	M5 - M6	10 - 19	3 900	4 200	0,80	78	4,2	221	Ø46	24	Ø12	4-1080031
DPTS 50 S	M6 - M8	14 - 28	6 500	6 800	0,80	78	5,8	221	Ø46	24	Ø12	4-1080032
DPTS 60 S	M8	20 - 35	5 700	6 000	0,86	80	5,8	231	Ø46	24	Ø12	4-1080033
DPTS 70 S	M8-M10	28 - 47	4 700	5 000	0,97	80	6,7	244	Ø48	25	Ø12	4-1080034

Internal air hose diameter:

DPTS 40/50HD: 6,5 mm

DPTS 60/70: 8 mm

Recommended air pressure : 5 - 6 bars

Air inlet: BSP G1/4

* Torque value measured on hard point (< 30°)



DPTS ANGLE HEAD SERIES

The most difficult accesses are easier to reach thanks to the small sizes of the angle head.
 They are ideal for precise screwdriving on a hard joint thanks to the adjustable automatic shut-off. Lightweight and compact, they are extremely comfortable without reactive torque.
 Cycle times are optimised thanks to high rotation speeds and an unmatched weight/power ratio.




Comfort

- No Reactive Torque for Operator Wrist
- Light
- Compact


Productivity

- High Rotation Speed: 1 800 to 4 700 Rpm
- 8.5 to 70 Nm


Quality

- Clamping accuracy with adjustable automatic cut-off



1/4" Hex F angle head pulse screwdrivers

Model	Capacity	Torque (Nm) 5-6 bars	Speed (Tr/min)		Weight (Kg)	Noise (dB(A))	Debit (l/s)	a. (mm)	b (mm)	c (mm)	d (mm)	e (mm)	Code
			5 bars	6 bars									
DPTS 50 RAHD	M6	8,5 - 16	4 000	4 300	1,20	80	5,3	253	45	16	16	Ø11	4-1080055
DPTS 60 RAHD	M6 - M8	12,5 - 22	4 400	4 700	1,30	80	5,3	264	45	16	16	Ø11	4-1080056
DPTS 70 RAHD	M8	18 - 29	4 200	4 500	1,40	80	6,7	272	45	16	16	Ø11	4-1080057

Internal air hose diameter::
 DPTS 40/50HD: 6,5 mm
 DPTS 60/70: 8 mm
 *Torque value mesured on hard point (< 30°)

Recommended air pressure: 5 - 6 bars
 Air inlet: BSP G1/4



3/8" angle head pulse screwdrivers

Model	Capacity	Torque (Nm) 5-6 bars	Speed (Tr/min)		Weight (kg)	Noise (dB(A))	Debit (l/s)	a (mm)	b (mm)	c (mm)	d (mm)	e (mm)	Code
			5 bars	6 bars									
DPTS 50 RA:	M6	9,5 - 17	4 000	4 300	1,20	80	5,3	253	45	14	16	Ø12	4-1080048
DPTS 60 RA:	M6 - M8	14 - 24	4 400	4 700	1,30	80	5,3	264	45	14	16	Ø12	4-1080049
DPTS 70 RA:	M8	20 - 31	4 200	4 500	1,40	80	6,7	272	45	14	16	Ø16	4-1080050
DPTS 70 RALS	M8 - M10	30 - 50	1 800	2 000	1,60	82	6,7	281	47	14	21	Ø16	4-1080051



Internal air hose diameter::

DPTS 50RA: 6,5 mm

Recommended air pressure: 5 - 6 bars

DPTS 60/70RA (LS): 8 mm

Air inlet: BSP G1/4

Torque value mesured on hard point (< 30°)

1/2" angle head pulse screwdrivers

Model	Capacity	Torque (Nm) 5-6 bars	Speed (Tr/min)		Weight (kg)	Noise (dB(A))	Debit (l/s)	a (mm)	b (mm)	c (mm)	d (mm)	e (mm)	Cod
			5 bars	6 bars									
DPTS 70 RA ^{1/2}	M10 - M12	40 - 60	2 000	2 200	1,60	82	7,5	281	-	-	-	-	4-1002356
DPTS 80 RA ^{1/2}	M10 - M12	50 - 70	2 600	2 800	1,70	82	7,5	281	47	21	21	Ø16	4-1080052



Internal air hose diameter::

DPTS 80RA1/2: 8 mm

Recommended air pressure: 5 - 6 bars

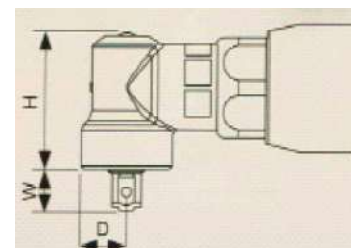
Air inlet: BSP G1/4

Torque value mesured on hard point (< 30°)

Angle head dimensions

Model	H (mm)	W(mm)	D(mm)
DPTS 50 RA / 60 RA / 70 RA	45	16	26
DPTS 70 RALS / 60 RALS / 70 RALS	47	21	21

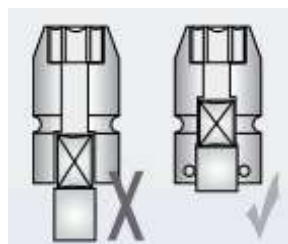
Model	H (mm)	W(mm)	D(mm)
DPTS 50 RAHD / 60 RAHD / 70 RAHD	45	16	26



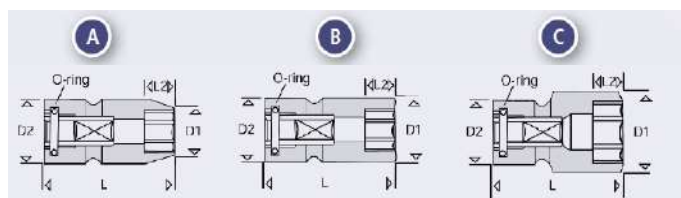
ACCESSORIES

Stop pin kit

Model	Code
Square drive 3/8"	4-1055211
Square drive 1/2"	4-1055210
Square drive 3/4"	4-1055212



Sockets and other guided accessories are not suitable with DPTS angle head models.



3/8" Sleeve drive sockets

Model	A/F (mm)	Drawing	D1 (mm)	D2 (mm)	L (mm)	L2 (mm)	Code
D060910006	6	A	11	19	43	5	4-1035137
D060910007	7	A	12	19	43	5	4-1035138
D060910008	8	A	13	19	43	7	4-1035139
D060910009	9	A	15	19	43	7	4-1035143
D060910010	10	A	16	19	43	8	4-1035110
D060910011	11	A	17,5	19	43	9	4-1035111
D060910012	12	B	19	22	43	9	4-1035112
D060910013	13	A	20	22	43	9	4-1035113
D060910014	14	A	21	22	43	9	4-1035114
D060910015	15	B	22	22	43	11	4-1035115
D060910016	16	C	24	22	43	11	4-1035116
D060910017	17	C	25	22	43	11	4-1035117
D060910018	18	C	26	22	43	11	4-1035118
D060910019	19	C	27,5	22	43	11	4-1035119
D060910021	21	C	30	22	43	13	4-1035120

1/2" Sleeve drive sockets

Model	A/F (mm)	Drawing	D1 (mm)	D2 (mm)	L (mm)	L2 (mm)	Code
D060920012	12	A	20	25	52	12	4-1035098
D060920013	13	A	21	25	52	12	4-1035099
D060920014	14	A	22,5	25	52	12	4-1035100
D060920015	15	A	23,7	30	52	12	4-1035101
D060920016	16	A	25	30	52	12	4-1035102
D060920017	17	A	26	30	52	12	4-1035103
D060920018	18	A	27,5	30	52	12	4-1035104
D060920019	19	A	28,7	30	52	12	4-1035105
D060920021	21	B	30	30	52	12	4-1035106
D060920022	22	C	32	30	52	12	4-1035107
D060920023	23	C	32	30	52	12	4-1035108
D060920024	24	C	35	30	52	12	4-1035109
D060920027	27	C	39	30	57	12	4-1035135
D060920030	30	C	42	30	62	12	4-1035136
D060920032	32	C	44	30	62	12	4-1035170

Quick release adaptaters

Model	SQ input	SQ output	D2 (mm)	L (mm)	Code
D069111E08	3/8"	1/4"	22	52	4-1042888
D069112E08	1/2"	1/4"	25	60	4-1010001



Quick release adaptaters

Model	SQ input	SQ output	D2 (mm)	L (mm)	Code
D069151116	3/8"	1/2"	20	80	4-1080000
D069152112	1/2"	3/8"	25	75	4-1080001
D069151112	3/8"	3/8"	19	75	4-1080002
D069152216	1/2"	1/2"	25	100	4-1080003



Transparent protection

Model	Code
Protection I40-109 DPTS-30-40-50	4-1090162
Protection I60-109 DPTS 60	4-1090163
Protection I70X-109 DPTS 65/70X	4-1090172
Protection I70-109 DPTS 70	4-1090164
Protection I80-109 DPTS 80	4-1090165
Protection I90-109 DPTS 90	4-1090166
Protection I100-109 DPTS 100	4-1090167
Protection I130-109 DPTS 130	4-1090168
Protection I150-109 DPTS 150	4-1090169
Protection I180-109 DPTS 180	4-1090170
Protection I200-109 DPTS 200	4-1090171

Suspension ring

Model	Code
Suspension ring I50R-207 DPTS-50, 60, RAHD	4-1090142
Suspension ring I70R-207 DPTS-70, RAHD	4-1090143
Suspension ring I80R-207 DPTS-80 RA	4-1090144



Holster

Model	Code
Holster GM + adjustable support - Ø max tool: 98 mm	4-1200460
Holster DPTS - max tool Ø: 50 mm and max external socket diameter Ø: 30 mm	4-1057016



OUR SERVICES

If DOGA put at your disposal reliable, accurate and user friendly tightening solutions it is our duty to advise you the right solution for your application.

Our Product Manager and Support engineering team are there to analyse your manufacturing process and share with you our innovating solutions to improve your assembly process. Thanks to our technical integration service CELPRO we provide you with Turn-key solutions from the design to the commissioning.



TURNKEY SOLUTIONS

Around the various options of our product ranges, we offer you solutions adapted to your needs.

- ▶ Custom design
- ▶ Adaptation of existing models
- ▶ Integration of automation system



TECHNICAL ASSISTANCE

To ensure optimized the performance and the durability of our tools we put at your disposal.

- ▶ Installation and start-up
- ▶ Maintenance agreement
- ▶ On-site maintenance
- ▶ Maintenance in our workshop



TRAINING

Doga offers specialized training courses around its trades :

- ▶ Theoretical
- ▶ Technical & practical
- ▶ Audit & consulting

ASSOCIATED PRODUCTS



Load balancers

DOGA load balancers are robust and lightweight thanks to their aluminium shell. The cables are made of nylon or high strength stainless steel depending on the applications.

With adjustable capacity and stroke, the tools are suspended and balanced. With no inertia, operator safety and comfort are optimized.

> [Learn more about our load balancers](#)



Standard and customized sockets

Available as standard in 1/4" drive squares up to 2 1/2", the impact sockets are intended for the most extreme uses in terms of torque and speed. The square drive transmits all the power to the tool while preserving the lifetime of the bushings.

> [Learn more about our standard and custom shock sockets](#)



Protected bits and sockets

The SPEEDRILL protected and accessories are designed to provide you with a double benefit: protection of component surface conditions and prevention of risks injury. Our wide range will allow you to increase the quality of your production while strengthening the safety of your operators.

> [Learn more about our protected bits and sockets](#)



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