

Desoutter



IndustrialTools



XPB RANGE MORE THAN A DRILL

 BOOST YOUR
FLEXIBILITY

 BOOST YOUR
UP TIME

 BOOST YOUR
PRODUCTIVITY

More Than Productivity





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DESOUTTER ECOSYSTEM

Desoutter Ecosystem is a combination of human expertise and set of solutions designed to work together. Each solution provides their own added values which excel more when all work together!

DATA-DRIVEN SOLUTIONS

Continuous hot and cold production data analytics to highlight relevant information and prioritise actions to improve overall line efficiency.

DE METER PLATFORM
Desoutter

PROCESS CONTROL

Control the quality and production efficiency by managing the product assembly through interlocking all process operations required of the operator and industrial equipment

PIVOTWARE PLATFORM
Desoutter

MOTION CAPTURE

Track connected assets and operators' hands movement in real-time to enhance production process up to 100% first pass yield.

nex)))onar PLATFORM
Desoutter

DATA DRIVEN SOLUTIONS

PROCESS CONTROL

MOTION CAPTURE

SYSTEM INTEGRATION

CONNECTED ASSETS

SYSTEM INTEGRATION

Technical solutions adaptation and complete machine developments to meet applications requirements for an optimal integration and a seamless experience.

PROJECTS TECHNICAL ADAPTATION PLATFORM
Desoutter

RAPID SCREWFEEDING PLATFORM
Desoutter

SETITEC DRILLING SOLUTIONS

CONNECTED ASSETS

Merge of operational equipment with information technology to have assets under control and collect DATA to error proof production line in real time.

CONNECT TIGHTENING PLATFORM
Desoutter

SETITEC DRILLING PLATFORM



DESOUTTER & SETITEC

DRILLING RANGE



MANUAL RANGE

SEMI AUTOMATED RANGE

ROBOTIC RANGE

	PNEUMATIC	ELECTRIC RANGE XPB		PNEUMATIC RANGE	ELECTRIC RANGE		DRILLING	MISC APPLICATIONS (TIGHTENING...)
		MONOBLOC	MODULAR		ÉVO MODULAR	ÉVO LIGHT		
Advanced drilling strategies		Electric advanced strategies		Pneumatic strategies	Electric advanced strategies			
Software	Software platform							
Control box					Control box			
Cable	Multi-energy cable							
Heads & equipments				Share components between all ranges				
Support & Service	Desoutter & Setitec service & project team							

OVERVIEW

XPB RANGE



SECURE QUALITY

Constant drilling speed

2 step trigger for control over drilling speed

No issues linked to hose inertia



HEALTH AND SAFETY

No more accidents linked to air hose

Great tool Ergonomics

Operator comfort no more trailing hoses

Low noise levels

Low vibrations



FLEXIBILITY

No air hose
Use your tool anywhere, anytime

Easy speed modification (Software)

Compatible with all Desoutter batteries

Compatible with all Desoutter pneumatic heads



APPLICATION FOCUS

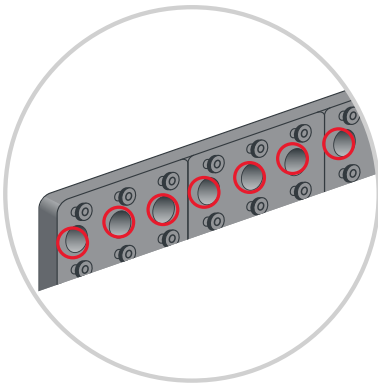
Made for Aerospace
From 100 to 6 000 rpm

Full tool range to fit each application (Ti / Al / CFRP)

Wide range of outputs available (3/8"x24 / JT1 / QR heads)



THE RIGHT XPB FOR EACH APPLICATION



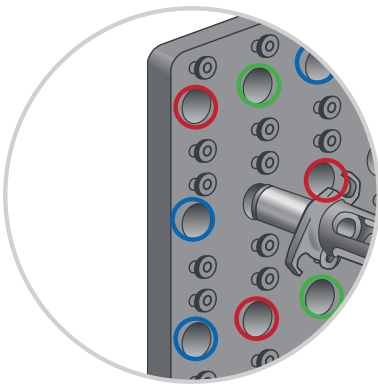
▶ LOW VARIETY OF HOLES
SINGLE TOOLS REQUIRED



▶ APPLICATIONS:
LONGITUDINAL JOINTS,
ORBITAL JOINTS, WING
SECTIONS



▶ XPB-ONE



▶ STATION WITH
IMPORTANT DIVERSITY
DRILLING
REAMING
TEMPORARY FASTENER
INSTALLATION
FRANGIBLE COLLAR INSTALLATION



▶ APPLICATIONS:
ANYWHERE WHERE
MORE THAN 3 HEADS
ARE NEEDED!



▶ XPB-M

XPB RANGE

FEATURES OVERVIEW



XPB-ONE



XPB MODULAR

APPLICATIONS	Drilling / Reaming / Countersink	X	X
	Temporary fasteners		X
	Frangible collars		X
FEATURES	Drilling programs	1	Unlimited number of heads 1 pset per head 6 pset per head (o)
	Display		X
	Rfid head identification		X
	Maintenance counter	X	X
	Cycle counter	X	X
	Progressive trigger	X (o)	X (o)
	Bi-step trigger	X (o)	X (o)
	Working lights	X	X
	Reporting lights		X
	Access to curves		X
	Connectivity		X (o)

X: available (o): optional



HEAD/TOOL SELECTION

DRILLING FOCUS

HOLE DIAMETER

	mm	Ø 2.4 To 3.2	Ø 3.2 To 4.0	Ø 4.0 To 4.8	Ø 4.8 To 5.6	Ø 5.6 To 6.35	Ø 6.35 To 8	Ø 8 To 9.5
	in.	Ø 3/32" To 1/8"	Ø 1/8" To 5/32"	Ø 5/32" To 3/16"	Ø 3/16" To 7/32"	Ø 7/32" To 1/4"	Ø 1/4" To 5/16"	Ø 5/16" To 3/8"
Material drilled	Al / Al							
	CFRP / CFRP							
	CFRP / Al							
	Ti & Hard metal							

HEAD/TOOL

SPEED RANGE (RPM)

PICTURE

	min	max	XPB-ONE	XPB-M
HS-12000	1 800	12 000		
S-6000	561	6 000		
M-3000	311	3 000*		
L-2000	188	2 000	 **	
XL-1000	97	1 000		
XXL-600	55	600	 **	
XXXL-400	41	400	 **	
XXX...L				

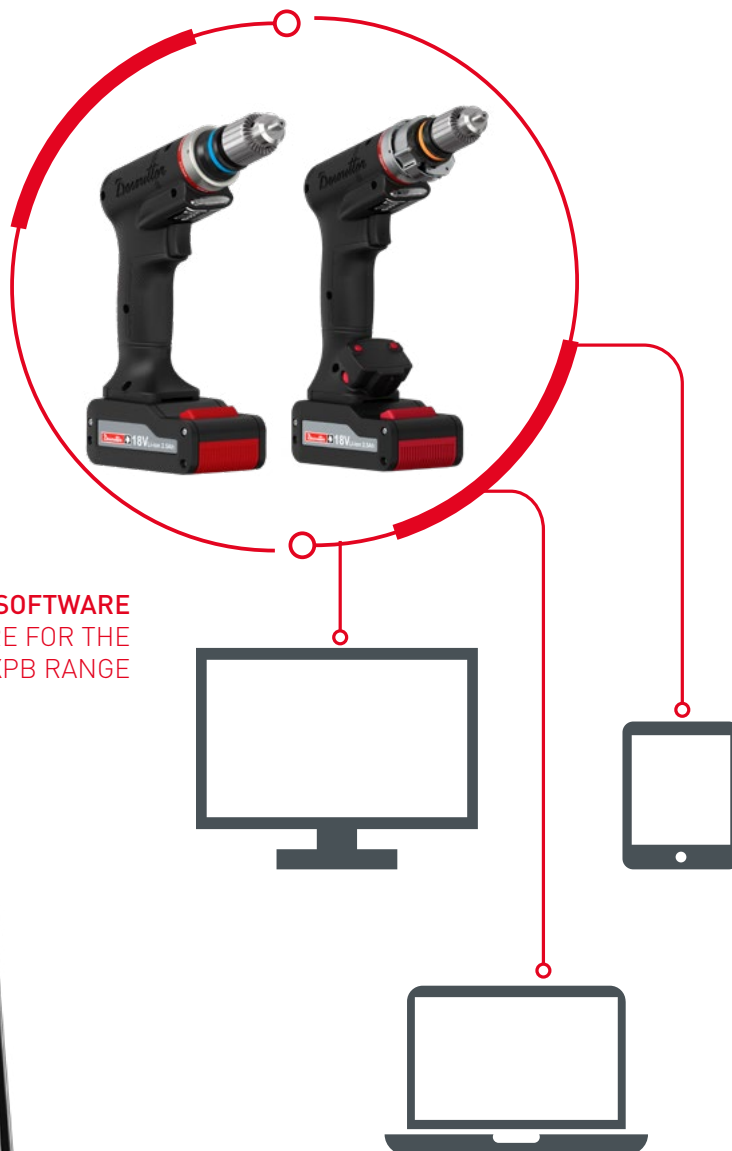
*Direct drive

* 2930 for XPB-One ** Available on request

HOLE DIAMETER

	mm	CUTTING SPEED	Ø 2.4 To 3.2	Ø 3.2 To 4.0	Ø 4.0 To 4.8	Ø 4.8 To 5.6	Ø 5.6 To 6.35	Ø 6.35 To 8	Ø 8 To 9.5
	in.	[M.MIN-1]	Ø 3/32" To 1/8"	Ø 1/8" To 5/32"	Ø 5/32" To 3/16"	Ø 3/16" To 7/32"	Ø 7/32" To 1/4"	Ø 1/4" To 5/16"	Ø 5/16" To 3/8"
Material drilled	Al / Al	80	7 962	6 369	5 308	4 550	4 012	3 185	2 682
	CFRP / CFRP	100	9 952	7 962	6 635	5 687	5 015	3 981	3 352
	CFRP / Al	80	7 962	6 369	5 308	4 550	4 012	3 185	2 682
	Ti & Hard metal	15	1 493	1 194	995	853	752	597	503

XPB CONFIG

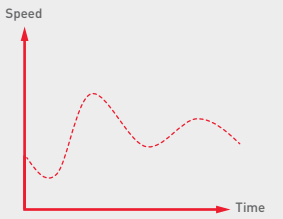


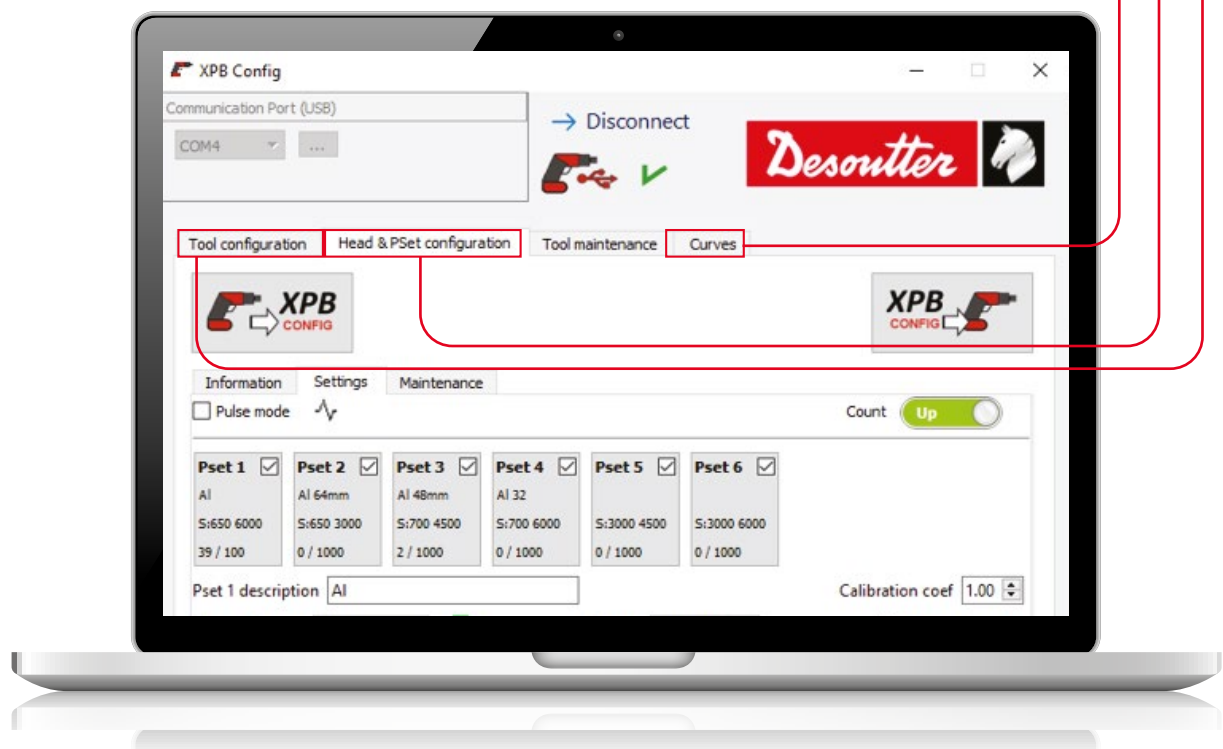
FREE SOFTWARE
SAME SOFTWARE FOR THE
WHOLE XPB RANGE



XPB-ONE

XPB MODULAR

Setup Tool		
Setup cycle		
Analyze & Improve	/	



XPB CONFIG

CONNECT THE TOOL

XPB-ONE



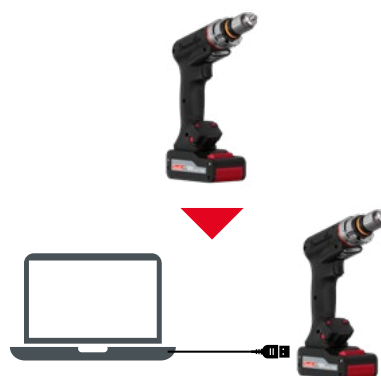
Connection using

- Mini USB cable
- Desoutter edock (not delivered with the tool)



eDock + Battery Data Interface
PN 615 813 400 0

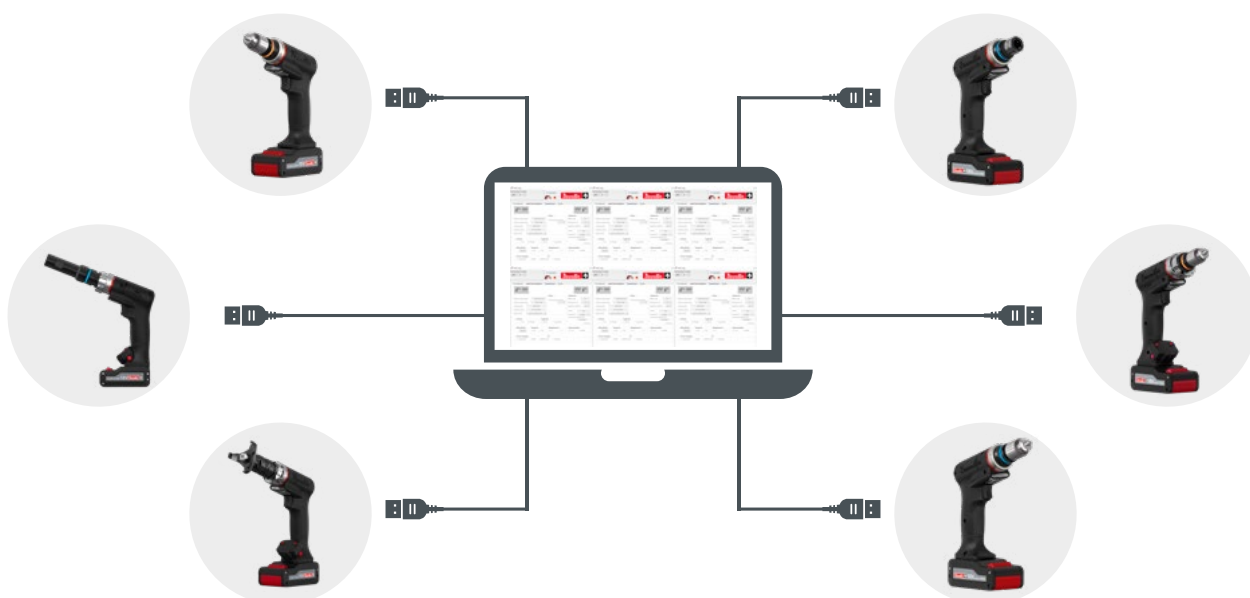
XPB MODULAR



Connection through the USB connector below display

- 2- Mini USB Cable

SEVERAL XPB CAN BE
CONNECTED AT THE SAME TIME



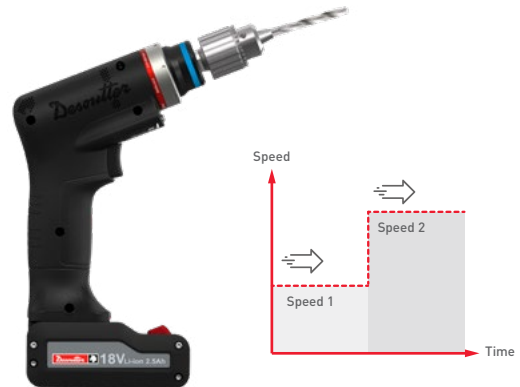
XPB RANGE TRIGGER OPTIONS

TWO TRIGGER OPTIONS



BI-STEP TRIGGER

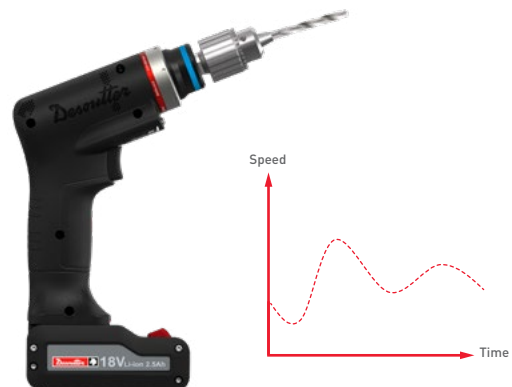
FOR BETTER CONTROL OVER
DRILLING PARAMETERS



- Trigger pulled half way to "hard stop" → tool rotates to speed 1
- Trigger fully pressed , tool rotation changes to speed 2

PROGRESSIVE TRIGGER

FOR OPERATOR FEELING



- Rotates in line with trigger pressure
- Ability to setup min/max speed

XPB CONFIG

TRIGGER MANAGEMENT FOCUS

HARDWARE OPTION



XPB RANGE (XPB-M & XPB-ONE) can be delivered (or upgraded) with 2 different trigger blocks, each of them offering a different level of functionality

COMPATIBILITY

Trigger Strategy

PSET SETTINGS IN TOOL (XPB-ONE) OR HEAD (XPB-M)

	BISTEP	PROGRESSIVE
 BI-STEP TRIGGER BLOCK	V	X
 PROGRESSIVE TRIGGER BLOCK	V*	V

*No hard stop between Speed 1 & Speed 2

PSET SETTING

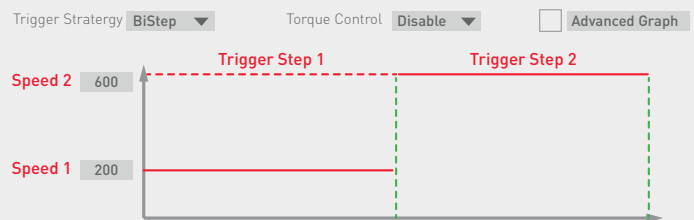


BI-STEP TRIGGER STRATEGY

Speed 1: trigger half engaged

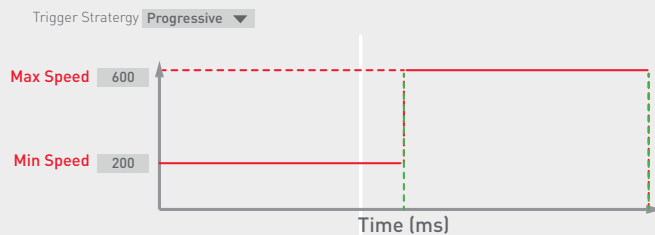
Speed 2: trigger fully engaged

Trigger pressed to hard-stop



PROGRESSIVE TRIGGER STRATEGY

- Rotates in line with trigger pressure
- Ability to setup min/max speed



XPB CYCLE COUNTER MANAGEMENT



TRIGGER PRESSED
FOR T→500MS

(INITIAL START OR
SPEED CHANGE)



AFTER THIS 500MS,
CURRENT ABOVE:

- 5A (18V BATTERY)
- 6.5A (36V BATTERY)



+1

XPB-ONE

TOOL OVERVIEW

The right tool for the right job

- Several models to adapt to each application

Power 400W (0.54hp)

Weight (without battery): 0.9kg (2lbs)

Low sound levels

Operator comfort

Tool balance

Perfect drilling position
Winglet for operator comfort

Speed change

Easy speed modification via
XPB config software

Quality focus

Constant speed for optimum
drilling parameters

Tool output options

- 3/8"x24 threaded output to adapt any accessory (chuck, countersink cages...)
- JT1 output for better run-out accuracy
- Standard Quick Release system to adapt all Desoutter pneumatic QR heads

2 trigger options

- 2 step trigger
Perfect for pointing & drilling
- Progressive trigger: the more you press, the faster it rotates

High performance Desoutter battery

- Remove air hose
- Compatible with all Desoutter products
- 2 battery positions for balance & ergonomy



SECURE QUALITY

Constant drilling speed

2 step trigger for control
over drilling speed

No issues linked to hose inertia



HEALTH AND SAFETY

No more accidents linked to air hose

Great tool Ergonomics

Operator comfort
no more trailing hoses

Low noise levels

Low vibrations



FLEXIBILITY

No air hose
Use your tool anywhere, anytime

Easy speed modification (Software)

Compatible with all Desoutter batteries

Compatible with all Desoutter
pneumatic heads



APPLICATION FOCUS

Made for Aerospace
From 100 to 6 000 rpm

Full tool range to fit each
application (Ti / Al / CFRP)

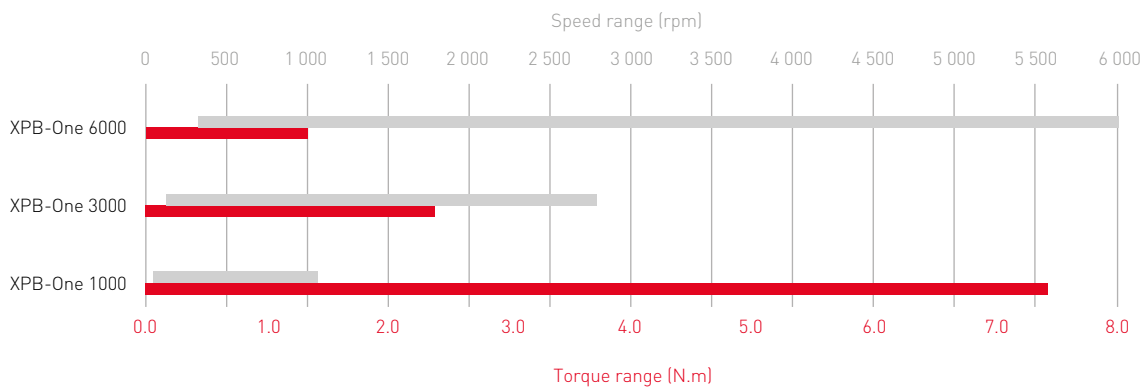
Wide range of outputs available
(3/8"x24 / JT1 / QR heads)





COLOR RING	TOOL NAME	SPEED		MAX TORQUE	
		min	max	Nm	in.lb
	XPB-One 6000	313	6 000	1.3	11.4
	XPB-One 3000	146	2 786	2.3	20.5
	XPB-One 1000	54	1 033	7.4	65.7

XPB ONE RANGE



XPB-ONE MODELS



A1



A3



B1



B3



C1



C3



1: Keyed chuck, 6.5 mm – 1/4" in. capacity



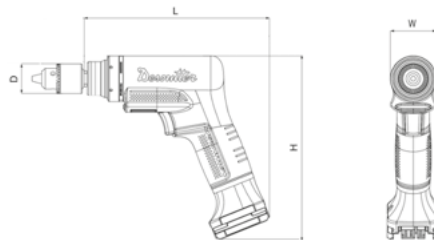
2: No chuck, 3/8"x24 threaded output



3: QR output



4: Keyless chuck output



PIC REF	PROGRESSIVE TRIGGER		BI-STEP TRIGGER		OUTPUT	CHUCK CAPACITY		SPEED RANGE		L		W		H		WEIGHT	
	PART NUMBER	MODEL	PART NUMBER	MODEL		mm	in.	min.	max.	mm	in.	mm	in.	mm	in.	kg	lb
A1	615 176 340 0	XPB-6000-C6.5-P	615 176 255 0	XPB-6000-C6.5	Keyed chuck	6.5	1/4"	313	6000	186	7.32	46	1.81	184	7.24	0.90	1.98
A2	615 176 339 0	XPB-6000-P	615 176 217 0	XPB-6000	No chuck- 3/8"x24 output			313	6000	186	7.32	46	1.81	184	7.24	0.78	1.72
A3	615 176 343 0	XPB-6000-QR-P	615 176 291 0	XPB-6000-QR	QR			313	6000	206	8.11	46	1.81	184	7.24	0.78	1.72
A4	615 176 342 0	XPB-6000-K8-P	615 176 258 0	XPB-6000-K8	Keyless chuck	8	5/16"	313	6000	186	7.32	46	1.81	184	7.24	1.06	2.34
B1	615 176 330 0	XPB-3000-C6.5-P	615 176 254 0	XPB-3000-C6.5	Keyed chuck	6.5	1/4"	146	2786	186	7.32	46	1.81	184	7.24	0.89	1.96
B2	615 176 329 0	XPB-3000-P	615 176 215 0	XPB-3000	No chuck- 3/8"x24 output			146	2786	186	7.32	46	1.81	184	7.24	0.77	1.70
B3	615 176 333 0	XPB-3000-QR-P	615 176 290 0	XPB-3000-QR	QR			146	2786	206	8.11	46	1.81	184	7.24	0.77	1.70
B4	615 176 332 0	XPB-3000-K8-P	615 176 257 0	XPB-3000-K8	Keyless chuck	8	5/16"	146	2786	186	7.32	46	1.81	184	7.24	1.05	2.32
C1	615 176 319 0	XPB-1000-C6.5-P	615 176 253 0	XPB-1000-C6.5	Keyed chuck	6.5	1/4"	54	1033	197	7.76	46	1.81	184	7.24	0.96	2.12
C2	615 176 318 0	XPB-1000-P	615 176 213 0	XPB-1000	No chuck- 3/8"x24 output			54	1033	197	7.76	46	1.81	184	7.24	0.82	1.81
C3	615 176 323 0	XPB-1000-QR-P	615 176 289 0	XPB-1000-QR	QR			54	1033	217	8.54	46	1.81	184	7.24	0.82	1.81
C4	615 176 322 0	XPB-1000-K8-P	615 176 256 0	XPB-1000-K8	Keyless chuck	8	5/16"	54	1033	197	7.76	46	1.81	184	7.24	1.16	2.48

*Weight without battery & chuck



AVAILABLE OUTPUTS

**Keyed chuck**

6.5 mm/ 1/4" capacity

**Keyless chuck**

5/16" capacity

**No chuck**

3/8"x24 threaded output

**No chuck**

JT1 output

**QR output**

OTHER MODELS AVAILABLE ON DEMAND

PROGRESSIVE TRIGGER PRODUCT DESCRIPTION	BI-STEP TRIGGER PRODUCT DESCRIPTION	OUTPUT TYPE	CHUCK CAPACITY		SPEED RANGE		L		W		H		WEIGHT	
			mm	in.	min	max	mm	in.	mm	in.	mm	in.	kg	lb
XPB-6000-JT1-P	XPB-6000-JT1	No chuck - JT1 output			313	6 000	186	7.32	46	1.81	184	7.24	0.78	1.72
XPB-4500-C6.5-P	XPB-4500-C6.5	Keyed chuck	6.5	1/4"	240	4 500	186	7.32	46	1.81	184	7.24	0.90	1.98
XPB-4500-P	XPB-4500	No chuck - 3/8"x24 output			240	4 500	186	7.32	46	1.81	184	7.24	0.78	1.72
XPB-4500-QR-P	XPB-4500-QR	QR			240	4 500	206	8.11	46	1.81	184	7.24	0.78	1.72
XPB-4500-K8-P	XPB-4500-K8	Keyless chuck	8	5/16"	240	4 500	186	7.32	46	1.81	184	7.24	1.06	2.34
XPB-3000-JT1-P	XPB-3000-JT1	No chuck - JT1 output			146	2 786	186	7.32	46	1.81	184	7.24	0.77	1.70
XPB-2000-C6.5-P	XPB-2000-C6.5	Keyed chuck	6.5	1/4"	110	2 000	186	7.32	46	1.81	184	7.24	0.96	2.12
XPB-2000-P	XPB-2000	No chuck - 3/8"x24 output			110	2 000	186	7.32	46	1.81	184	7.24	0.82	1.81
XPB-2000-QR-P	XPB-2000-QR	QR			110	2 000	206	8.11	46	1.81	184	7.24	0.82	1.81
XPB-2000-K8-P	XPB-2000-K8	Keyless chuck	8	5/16"	110	2 000	186	7.32	46	1.81	184	7.24	1.16	2.48
XPB-2000-JT1-P	XPB-2000-JT1	No chuck - JT1 output			110	2 000	186	7.32	46	1.81	184	7.24	0.82	1.81
XPB-1000-JT1-P	XPB-1000-JT1	No chuck - JT1 output			54	1 033	197	7.76	46	1.81	184	7.24	0.82	1.81
XPB-600-C6.5-P	XPB-600-C6.5	Keyed chuck	6.5	1/4"	35	600	197	7.76	46	1.81	184	7.24	0.96	2.12
XPB-600-P	XPB-600	No chuck - 3/8"x24 output			35	600	197	7.76	46	1.81	184	7.24	0.82	1.81
XPB-600-QR-P	XPB-600-QR	QR			35	600	217	8.54	46	1.81	184	7.24	0.82	1.81
XPB-600-K8-P	XPB-600-K8	Keyless chuck	8	5/16"	35	600	197	7.76	46	1.81	184	7.24	1.24	2.74
XPB-600-JT1-P	XPB-600-JT1	No chuck - JT1 output			35	600	197	7.76	46	1.81	184	7.24	0.82	1.81

XPB-One

QUICK RELEASE OUTPUT



Full range of drilling
offset heads available



FLEXIBILITY

All QR outputs used with Desoutter pneumatic QR models are compatible with XPB-One QR



APPLICATION FOCUS

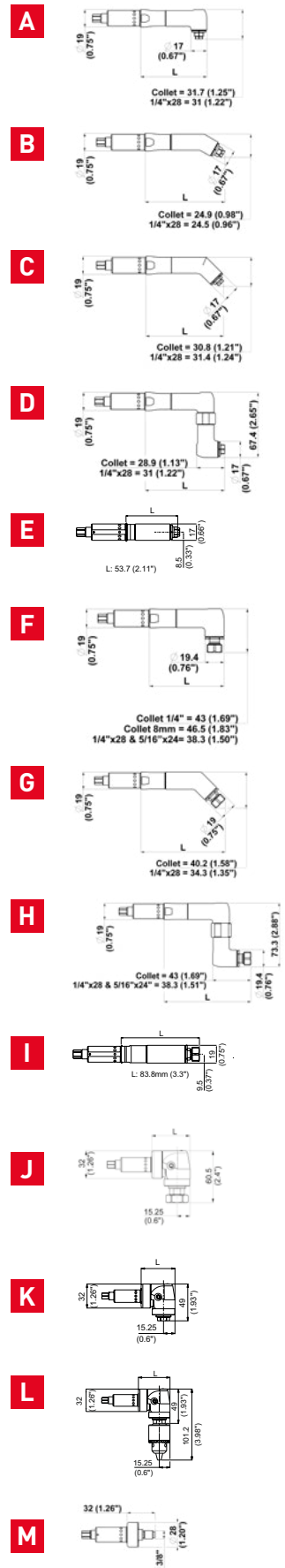
Avoid cutter time changing
For a given drilling speed, dedicate one head for each cutter required on the line



XPB-ONE

QUICK RELEASE HEADS

PIC REF	DESIGNATION	PART NUMBER	LENGTH L		COLLET MAX. CAPACITY		WEIGHT	
			mm	in.	mm	in.	kg	lb
COMPACT ANGLE HEADS								
A	Short Compact 90° angle head Collet spindle	205 053 981 3	54	2.13	5	3/16	0.15	0.33
A	Compact 90° angle head Collet spindle	205 050 331 3	72	2.83	5	3/16	0.17	0.37
A	Compact 90° angle head 1/4" x 28 spindle	205 050 332 3	72	2.83	-	-	0.17	0.37
B	Compact 30° angle head Collet spindle	205 050 329 3	82.9	3.26	5	3/16	0.17	0.37
B	Compact 30° angle head 1/4" x 28 spindle	205 050 330 3	82.9	3.26	-	-	0.17	0.37
C	Compact 45° angle head Collet spindle	205 050 335 3	81	3.19	5	3/16	0.17	0.37
C	Compact 45° angle head 1/4" x 28 spindle	205 050 336 3	79	3.11	-	-	0.17	0.37
D	Compact 360° angle head Collet spindle	205 050 333 3	81.5	3.21	5	3/16	0.25	0.55
D	Compact 360° angle head 1/4" x 28 spindle	205 050 334 3	85.2	3.35	-	-	0.25	0.55
E	Short compact straight head Collet spindle	615 399 569 5	53.7	2.11	5	3/16	0.14	0.31
E	Short compact straight head 1/4"x28 Spindle	615 399 570 5	53.7	2.11	-	-	0.14	0.31
E	Compact straight head Collet spindle	615 399 571 5	71.7	2.82	5	3/16	0.16	0.35
E	Compact straight head 1/4"x28 Spindle	615 399 572 5	71.7	2.82	-	-	0.16	0.35
STANDARD ANGLE HEADS								
F	Standard 90° angle head Collet spindle	205 050 338 3	75.7	2.98	6.4	1/4	0.23	0.51
F	Standard 90° angle head Collet spindle	205 050 353 3	75.7	2.98	8	5/16	0.23	0.51
F	Standard 90° angle head 1/4" x 28 spindle	205 050 339 3	75.7	2.98	-	-	0.24	0.53
F	Standard 90° angle head 5/16" x 24 spindle	205 050 340 3	75.7	2.98	-	-	0.23	0.51
G	Standard 45° angle head Collet spindle	615 398 702 5	90.7	3.57	6.4	1/4	0.23	0.51
G	Standard 45° angle head 1/4" x 28 spindle	615 398 704 5	87.9	3.46	-	-	0.23	0.51
H	Standard 360° angle head Collet spindle	205 050 341 3	96.8	3.81	6.4	1/4	0.32	0.7
H	Standard 360° angle head 1/4" x 28 spindle	205 050 342 3	94.5	3.72	-	-	0.32	0.7
H	Standard 360° angle head 5/16" x 24 spindle	205 050 343 3	94.5	3.72	-	-	0.32	0.7
I	Standard straight head Collet spindle	615 399 573 5	83.8	3.3	6.4	1/4	0.2	0.44
I	Standard straight head 1/4"x28 Spindle	615 399 574 5	83.8	3.3	-	-	0.2	0.44
HEAVY DUTY HEADS								
J	QR THD 90° Collet output	615 399 575 5	48.8	1.92	8	5/16	0.31	0.68
K	QR HD 90° Cnomo	615 399 576 5	48.8	1.92	-	-	0.3	0.66
L	QR SHD 90° Chuck output	615 399 577 5	48.8	1.92	-	-	0.43	0.95
STRAIGHT HEADS								
M	Chuck mounting 3/8" x 24	205 050 543 3	32.0	1.26	-	-	0.25	0.55



XPB-M

THE SMART PLATFORM

One tool for all manual operations

Replace X manual tools by 1 single XPB
(Drilling / Reaming / Countersink / Temporary fastener
installation / Frangible collar installation...)
Automatic head recognition with RFID technology
Unlimited number of heads per tool

High performance motor

Easy maintenance
Same motor as XPB-One range

Ergonomy - Health & Safety

Perfect balance
Ergonomic handle
Low sound levels

Cycle counter

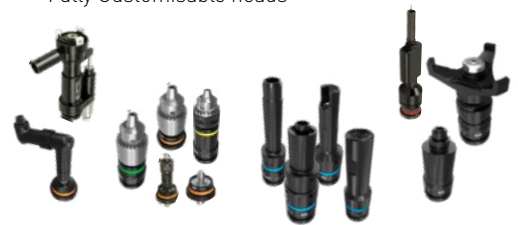
Get control over your tool
maintenance & cutting tool
lifetime (See p.15)

Go electric

High performance Desoutter
standard batteries
2 battery positions for better
accessibility

Wide range of heads dedicated to each application

Wide range of heads covering various applications
All information embedded in each head
Easy tool rebalancing
Up to 6 pset embedded in each head
Fully Customisable heads

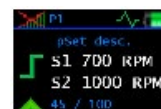


2 trigger options

2 step trigger: Perfect for pointing & drilling
Progressive trigger: the more you press, the
faster it gets (See p.13)

Operator feedback

Large color display for pset selection
& Customisable information
Integrated smart lighting
2 adjustable sets of LED
OK/NOK reporting on tightening



SECURE QUALITY

Adjustable and variable speed

Adjustable torque and
thrust according
to application / material



COST SAVINGS

Reduced Total Cost of
ownership (reduced
maintenance)

Modularity - reduced quantity
of devices to cover applications



MODULARITY

Optimised product range suited
for multiple applications with
common base motor



GO ELECTRIC

Battery tool

No cable

Less noise



SMART FACTORY COMPATIBLE

Open architecture for
integration in smart factory

Process optimisation - non
quality costs savings



ONE TOOL FOR ALL APPLICATIONS

	Process step	Current solution	XPB solution
 Prehole Manual drilling	Drill skin through predrilled frame Ø 4.8 (3/16") Speed 5 500 rpm		
 Temporary fastener installation	Install temporary fasteners for skin clamping Temporary fastener Ø 4.8mm (3/16") Torque 3Nm (26.6in.lb) Speed 1 000 rpm		
 Temporary fastener installation	Install Drill jig using dedicated Temporary fasteners Temporary fastener Ø 4.8mm (3/16") Torque 1.5Nm (13.3in.lb) Speed 1 000 rpm		
 Advanced drilling	Drill one shot holes to final size Ø 7,94mm (5/16")		
 Temporary fastener installation	Install temporary fasteners for skin clamping Temporary fastener Ø 7,94mm (5/16") Torque 6Nm (53.2in.lb) Speed 800 rpm		
 Manual drilling	Remove Drill jig		
 Open-up holes	Open-up holes from 4.8 (3/16") to 7,94mm (5/16") 2 steps cascade Speed 3 000 rpm		
 Ream hole to final size	Ream hole to final size Ø 7.94.mm / Speed 1 000 rpm		
 Countersink hole	Countersink hole Speed 3 000 rpm		
 Install frangible collar	Install frangible collar		

APPLICATION	CURRENT SETUP	XPB SETUP
Manual Drilling	4 tools	2 heads
Advanced drilling	1 tool	1 tool
Temporary fastener installation	3 tools	2 heads
Frangible collar installation	1 tools	1 head
SUM	8 tools	1 XPB Platform 5 heads

XPB-M

DRILLING HEAD RANGE

FULL RANGE OF STRAIGHT HEADS FOR DRILLING, COUNTERSINKING & REAMING VARIOUS MATERIALS AND HOLE DIAMETERS



FULL RANGE OF ANGLE HEADS



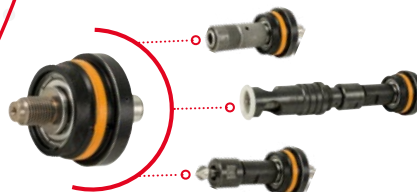
FULL RANGE OF OFFSET DRILLING HEADS



FULL RANGE OF HYDRAULIC CONTROLLED SOLUTIONS (HCU) FOR CFRP APPLICATIONS



EASY REUSE OF ALL EXISTING EQUIPMENT



VARIOUS OUTPUTS AVAILABLE (3/8" x 24, JT1, KEYED & KEYLESS CHUCK)



XPB-M DRILLING HEAD

SELECTION GUIDE

HOLE DIAMETER

	mm	Ø 2.4 To 3.2	Ø 3.2 To 4.0	Ø 4.0 To 4.8	Ø 4.8 To 5.6	Ø 5.6 To 6.35	Ø 6.35 To 8	Ø 8 To 9.5
	in.	Ø 3/32" To 1/8"	Ø 1/8" To 5/32"	Ø 5/32" To 3/16"	Ø 3/16" To 7/32"	Ø 7/32" To 1/4"	Ø 1/4" To 5/16"	Ø 5/16" To 3/8"
Material drilled	Al / Al							
	CFRP / CFRP							
	CFRP / Al							
	Ti & Hard metal							

HEAD MODEL	COLOR RING	SPEED (RPM)		MAX TORQUE		
		min	max	N.m	in.lb	
HDR-10000		1000	10 000	0.4	3.5	
HDR-6000		320	6 000	1.3	11.4	
HDR-3000		180	3 320	2.3	20.5	
HDR-2000		110	2 000	3.8	34.0	
HDR-1000		60	1 030	7.4	65.7	
HDR-600		30	580	13.1	115.8	
HDR-400		30	430	17.6	155.8	

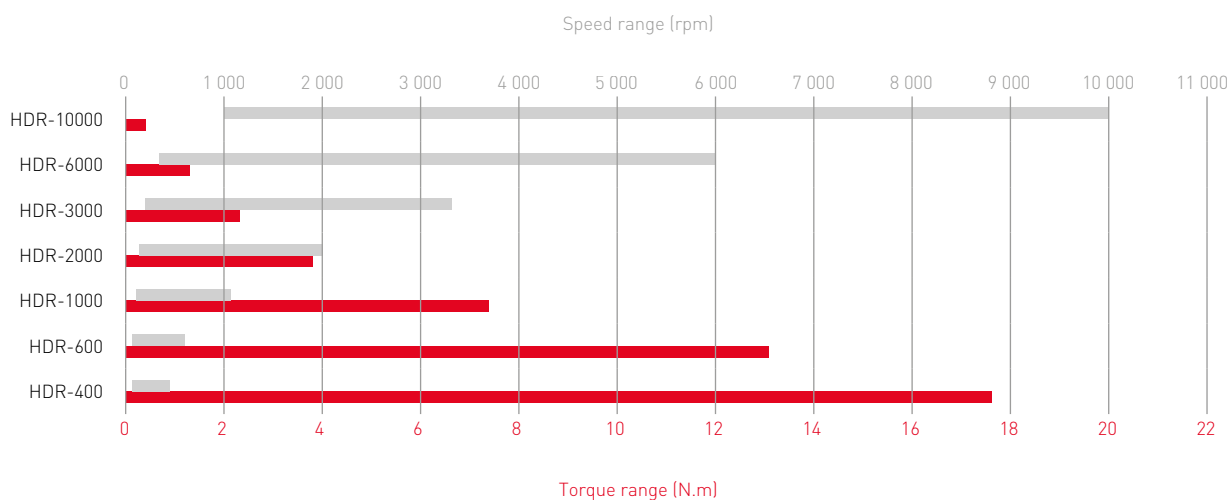
HOLE DIAMETER

	mm	CUTTING SPEED	Ø 2.4 To 3.2	Ø 3.2 To 4.0	Ø 4.0 To 4.8	Ø 4.8 To 5.6	Ø 5.6 To 6.35	Ø 6.35 To 8	Ø 8 To 9.5
	in.	[M.MIN-1]	Ø 3/32" To 1/8"	Ø 1/8" To 5/32"	Ø 5/32" To 3/16"	Ø 3/16" To 7/32"	Ø 7/32" To 1/4"	Ø 1/4" To 5/16"	Ø 5/16" To 3/8"
Material drilled	Al / Al	80	7 962	6 369	5 308	4 550	4 012	3 185	2 682
	CFRP / CFRP	100	9 952	7 962	6 635	5 687	5 015	3 981	3 352
	CFRP / Al	80	7 962	6 369	5 308	4 550	4 012	3 185	2 682
	Ti & Hard metal	15	1 493	1 194	995	853	752	597	503

XPB-MODULAR

DRILLING HEAD RANGE

XPB MODULAR DRILLING HEAD RANGE



HEAD MODEL	COLOR RING	SPEED (RPM)		MAX TORQUE	
		min	max	N.m	in.lb
HDR-10000		1000	10000	0.4	3.5
HDR-6000		320	6000	1.3	11.4
HDR-3000		180	3320	2.3	20.5
HDR-2000		110	2000	3.8	34.0
HDR-1000		60	1030	7.4	65.7
HDR-600		30	580	13.1	115.8
HDR-400		30	430	17.6	155.8



DRILLING HEAD DESCRIPTION KEYS

HDR-3000-90-T5-6

H = Head

DR = DRilling head

TH = THightening heads...

Max speed (rpm)

6000

4500

3000

2000

1000

600

400

OUTPUT TYPE

STRAIGHT HEADS

Delivered without chuck

Omitted = output threaded 3/8"x24

JT1 = conical output (type JT1)

Delivered with chuck

C6.5 = keyed chuck (max capacity: 6.5mm - 1/4")

C8 = keyed chuck (max capacity: 8mm - 5/16")

C10 = keyed chuck (max capacity: 10mm - 3/8")

C13 = keyed chuck (max capacity: 13mm - 1/2")

K8 = keyless chuck (max capacity: 8mm - 5/16")

ANGLE HEADS

30 = angle head 30°

45 = angle head 45°

90 = angle head 90°

90S = Short angle head 90°

360 = angle head 360°

Number of Drilling cycles

1 = 1 Pset

6 = 6 Psets

Angle head type:

T5 = Collet compact (max capacity 5mm - 3/16")

T6 = Collet standard (max capacity 6.5mm - 1/4")

T8 = Collet (max capacity 8mm - 5/16")

S5 = Threaded compact output 1/4"x28

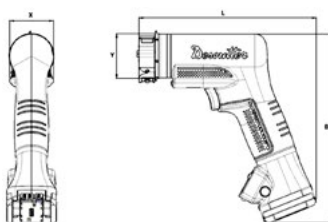
S6 = Threaded standard output 1/4"x28

SB6 = Threaded standard output 5/16"x24

XPB-M MODELS



A



PIC	PART NUMBER	PRODUCT DESCRIPTION	TRIGGER TYPE	L		ØY		B		X		WEIGHT	
				mm	in.	mm	in.	mm	in.	mm	in.	kg	lb
A	615 176 344 0	XPBM-6000-P	Progressive	174	6.85	47	1.85	198	7.79	47	1.85	0.85	1.87
A	615 176 231 0	XPBM-6000	Bi-Step	174	6.85	47	1.85	198	7.79	47	1.85	0.85	1.87



XPB-M

STRAIGHT DRILLING HEADS



A

B

C

D

E

F

G



1

Keyed chuck

6.5 mm / 1/4" capacity



2

No chuck3/8"x24 threaded
output

3

No chuck

JT1 output



4

Keyless chuck

8 mm / 5/16" capacity

PIC REF	COLOR CODE	HEAD TYPE	OUTPUT TYPE	CHUCK TYPE	CHUCK CAPACITY	PART NUMBER		SPEED RANGE (RPM)		LENGTH		DIA.		WEIGHT	
						1 PSET	6 PSET	min	max	mm	in.	mm	in.	kg	lb
A 1		HDR-10000-C6.5	3/8"x24	Keyed chuck	6.5mm - 1/4"	ASC0212019	ASC0212012	1000	10000	72.40	2.85	32.50	1.28	0.22	0.48
A 2		HDR-10000	3/8"x24	No chuck		ASC0212005	ASC0148000	1000	10000	27.90	1.10	32.50	1.28	0.10	0.22
A 3		HDR-10000-JT1	JT1	No chuck		On demand	On demand	1000	10000	27.90	1.10	32.50	1.28	0.10	0.22
B 1		HDR-6000-C6.5	3/8"x24	Keyed chuck	6.5mm - 1/4"	ASC0212020	ASC0212013	320	6000	64.30	2.53	32.50	1.28	0.18	0.4
B 2		HDR-6000	3/8"x24	No chuck		615 401 133 0	615 401 140 0	320	6000	19.80	0.78	32.50	1.28	0.06	0.14
B 3		HDR-6000-JT1	JT1	No chuck		On demand	On demand	320	6000	19.80	0.78	32.50	1.28	0.06	0.14
C 1		HDR-3000-C6.5	3/8"x24	Keyed chuck	6.5mm - 1/4"	ASC0212021	ASC0212014	180	3320	88.40	3.48	38.00	1.50	0.30	0.66
C 2		HDR-3000	3/8"x24	No chuck		615 401 134 0	615 401 141 0	180	3320	43.90	1.73	38.00	1.50	0.18	0.39
C 3		HDR-3000-JT1	JT1	No chuck		On demand	On demand	180	3320	43.90	1.73	38.00	1.50	0.18	0.39
D 1		HDR-2000-C6.5	3/8"x24	Keyed chuck	6.5mm - 1/4"	ASC0212022	ASC0212015	110	2000	88.40	3.48	38.00	1.50	0.30	0.66
D 2		HDR-2000	3/8"x24	No chuck		615 401 135 0	615 401 142 0	110	2000	43.90	1.73	38.00	1.50	0.18	0.39
D 3		HDR-2000-JT1	JT1	No chuck		On demand	On demand	110	2000	43.90	1.73	38.00	1.50	0.18	0.39
E 1		HDR-1000-C6.5	3/8"x24	Keyed chuck	6.5mm - 1/4"	ASC0212023	ASC0212016	60	1030	88.40	3.48	38.00	1.50	0.30	0.66
E 2		HDR-1000	3/8"x24	No chuck		615 401 136 0	615 401 143 0	60	1030	43.90	1.73	38.00	1.50	0.18	0.39
E 3		HDR-1000-JT1	JT1	No chuck		On demand	On demand	60	1030	43.90	1.73	38.00	1.50	0.18	0.39
F 1		HDR-600-C10	3/8"x24	Keyed chuck	10mm - 3/8"	ASC0212024	ASC0212017	30	580	112.70	4.44	38.00	1.50	0.40	0.88
F 2		HDR-600	3/8"x24	No chuck		615 401 137 0	615 401 144 0	30	580	68.20	2.69	38.00	1.50	0.28	0.61
F 3		HDR-600-JT1	JT1	No chuck		On demand	On demand	30	580	68.20	2.69	38.00	1.50	0.28	0.61
G 1		HDR-400-C10	3/8"x24	Keyed chuck	10mm - 3/8"	ASC0212025	ASC0212018	30	430	112.70	4.44	38.00	1.50	0.40	0.88
G 2		HDR-400	3/8"x24	No chuck		615 401 138 0	615 401 145 0	30	430	68.20	2.69	38.00	1.50	0.28	0.61
G 3		HDR-400-JT1	JT1	No chuck		On demand	On demand	30	430	68.20	2.69	38.00	1.50	0.28	0.61

XPB-M

DRILLING ANGLE HEADS



For each model, several speed and torque levels are available



A



B



C



D

PIC	COLOR RING	SPEED
A	Orange	320 - 6 000
B	Blue	180 - 3 320
C	Red	110 - 2 000
D	Green	60 - 1 030



DRILLING ANGLE HEADS 360°



A



B



C



D



1

2

COMPACT HEAD

PIC REF	COLOR CODE	HEAD TYPE	OUTPUT	COLLET CAPACITY		PART NUMBER		SPEED RANGE (RPM)		LENGTH		DIA.		HEIGHT		WEIGHT	
				mm	in.	1 PSET	6 PSET	min	max	mm	in.	mm	in.	mm	in.	kg	lb
A 1		HDR-6000-360-T5	Collet	5	3/16"	ASC0212063	ASC0212035	320	6 000	101.40	3.99	32.50	1.28	66.50	2.62	0.28	0.62
A 2		HDR-6000-360-S5	Threaded spindle*			ASC0212151	ASC0212115			101.40	3.99	32.50	1.28	66.50	2.62	0.28	0.62
B 1		HDR-3000-360-T5	Collet	5	3/16"	ASC0212064	ASC0212036	180	3 320	172.30	6.80	32.50	1.28	66.50	2.62	0.56	1.23
B 2		HDR-3000-360-S5	Threaded spindle*			ASC0212152	ASC0212116			172.30	6.80	32.50	1.28	66.50	2.62	0.56	1.23
C 1		HDR-2000-360-T5	Collet	5	3/16"	ASC0212065	ASC0212037	110	2 000	172.30	6.80	32.50	1.28	66.50	2.62	0.56	1.23
C 2		HDR-2000-360-S5	Threaded spindle*			ASC0212153	ASC0212117			172.30	6.80	32.50	1.28	66.50	2.62	0.56	1.23
D 1		HDR-1000-360-T5	Collet	5	3/16"	ASC0212066	ASC0212038	60	1 030	172.30	6.80	32.50	1.28	66.50	2.62	0.56	1.23
D 2		HDR-1000-360-S5	Threaded spindle*			ASC0212154	ASC0212118			172.30	6.80	32.50	1.28	66.50	2.62	0.56	1.23

* 9/32"x28 thread



A



B



C



D



1

2

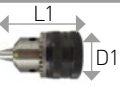
STANDARD HEADS

PIC REF	COLOR CODE	HEAD TYPE	OUTPUT	COLLET CAPACITY		PART NUMBER		SPEED RANGE (RPM)		LENGTH		DIA.		HEIGHT		WEIGHT	
				mm	in.	1 PSET	6 PSET	min	max	mm	in.	mm	in.	mm	in.	kg	lb
A 1		HDR-6000-360-T6	Collet	6.4	1/4"	615 401 146 0	615 401 150 0	320	6 000	115.10	4.52	32.50	1.28	73.19	2.88	0.32	0.70
A 2		HDR-6000-360-S6	Threaded spindle*			ASC0212131	ASC0212095			115.10	4.52	32.50	1.28	73.19	2.88	0.32	0.70
B 1		HDR-3000-360-T6	Collet	6.4	1/4"	615 401 148 0	615 401 152 0	180	3 320	186.00	7.33	38.00	1.50	73.19	2.88	0.61	1.34
B 2		HDR-3000-360-S6	Threaded spindle*			ASC0212132	ASC0212096			186.00	7.33	38.00	1.50	73.19	2.88	0.61	1.34
C 1		HDR-2000-360-T6	Collet	6.4	1/4"	ASC0212053	ASC0212027	110	2 000	186.00	7.33	38.00	1.50	73.19	2.88	0.61	1.34
C 2		HDR-2000-360-S6	Threaded spindle*			ASC0212133	ASC0212097			186.00	7.33	38.00	1.50	73.19	2.88	0.61	1.34
D 1		HDR-1000-360-T6	Collet	6.4	1/4"	ASC0212054	ASC0212028	60	1 030	186.00	7.33	38.00	1.50	73.19	2.88	0.61	1.34
D 2		HDR-1000-360-S6	Threaded spindle*			ASC0212134	ASC0212098			186.00	7.33	38.00	1.50	73.19	2.88	0.61	1.34

* 9/32"x28 thread

XPB RANGE ACCESSORIES

CHUCK MODELS

CHUCK PART NO.	CHUCK MOUNT	CHUCK CAPACITY		DIMENSIONS				WEIGHT		KEY PART NO.
				D1		L1		g	lb	
		mm	in.	mm	in.	in.	mm			
										
205 055 272 3	3/8"x24	0.5 - 6.5	1/4	29.3	1.15	42.5	1.67	121	0.27	29182
205 053 013 3	3/8"x24	0.5 - 8	5/16	29.3	1.15	42.5	1.67	120	0.26	410213
205 052 954 3	3/8"x24	1 - 10	3/8	37	1.46	49.5	1.95	204	0.45	29232
473113	3/8"x24	1.5 - 13	1/2	42	1.67	59	2.32	371	0.82	895 101 145 3
29142	1/2"x20	1.5 - 13	1/2	42	1.67	59	2.32	362	0.8	895 101 145 3
29492	1JT	0.5 - 6.5	1/4	29.3	1.15	42.5	1.67	112	0.25	29182
29042	1JT	0.8 - 10	3/8	34.5	1.36	48	1.89	231	0.51	29232
34752	2JT	1 - 10	3/8	42	1.67	61.5	2.4	386	0.85	895 101 145 3
34332	2JT	1.5 - 13	1/2	50	1.97	67.5	2.66	900	1.98	
										
473433	3/8"x24	0 - 8	5/16	32	1.26	61.5	2.4	285	0.63	
473423	3/8"x24	0.5 - 10	3/8	35.8	1.4	66	2.6	390	0.86	
205 047 819 3	3/8"x24	1 - 13	1/2	40	1.58	76.3	3	559	1.23	
205 056 060 3	1/2"x20	1 - 13	1/2	40	1.58	76.3	3	548	1.21	
524.09	1JT	0 - 6.5	1/4	32	1.26	59.5	2.34	284	0.62	
524.15	1JT	0.5 - 10	3/8	35.8	1.4	66	2.6	390	0.86	
524.1*	2JT	0.5 - 10	3/8	40	1.58	87.5	3.4	636	1.4	
524.16*	2JT	1 - 13	1/2	46	1.8	91	3.6	904	1.99	

INCLUDED WITH THE TOOL

OPTIONAL ACCESSORIES

* To use 2JT chuck on DR750, add adaptor P.N. 12243

ER COLLET RANGE



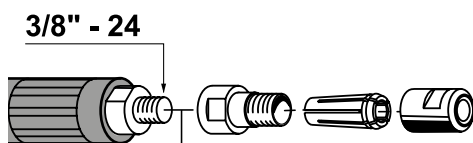
COLLET HOLDER
3/8"x24: 615 523 023 0
1/2"x20: 615 523 024 0



COLLETS



COLLET NUT
615 607 144 0



PART NUMBER	DESCRIPTION
615 526 061 0	COLLET Ø3.2mm ERICKSON Series 200
615 526 151 0	COLLET Ø4.0mm ERICKSON Series 200
615 526 152 0	COLLET Ø4.5mm ERICKSON Series 200
615 526 153 0	COLLET Ø5.0mm ERICKSON Series 200
615 526 154 0	COLLET Ø5.5mm ERICKSON Series 200
615 526 062 0	COLLET Ø6.0mm ERICKSON Series 200
615 526 063 0	COLLET Ø1/4" ERICKSON Series 200
615 526 155 0	COLLET Ø7.0mm ERICKSON Series 200
615 526 156 0	COLLET Ø7.5mm ERICKSON Series 200
615 526 064 0	COLLET Ø8.0mm ERICKSON Series 200
615 526 157 0	COLLET Ø8.5mm ERICKSON Series 200
615 526 158 0	COLLET Ø9.0mm ERICKSON Series 200
615 526 065 0	COLLET Ø9.5mm ERICKSON Series 200



COLLET FOR ANGLE HEADS

COLLET FOR COMPACT ANGLE HEADS: C, D, E & F (30°, 45°, 90° & 360°)



COLLET CAPACITY	PART NO.	COLLET CAPACITY	PART NO.	COLLET CAPACITY	PART NO.	COLLET CAPACITY	PART NO.	COLLET CAPACITY	PART NO.
ø 0.8mm	2152	ø 1.8mm	2252	ø 2.8mm	2352	ø 3.8mm	2452	ø 4.8mm	2552
ø 0.9mm	2162	ø 1.9mm	2262	ø 2.9mm	2362	ø 3.9mm	2462	ø 4.9mm	2562
ø 1.0mm	2172	ø 2.0mm	2272	ø 3.0mm	2372	ø 4.0mm	2472	ø 5.0mm	2572
ø 1.1mm	2182	ø 2.1mm	2282	ø 3.1mm	2382	ø 4.1mm	2482		
ø 1.2mm	2192	ø 2.2mm	2292	ø 3.2mm	2392	ø 4.2mm	2492	ø 1/16"	91442
ø 1.3mm	2202	ø 2.3mm	2302	ø 3.3mm	2402	ø 4.3mm	2502	ø 3/32"	91452
ø 1.4mm	2212	ø 2.4mm	2312	ø 3.4mm	2412	ø 4.4mm	2512	ø 1/8"	91462
ø 1.5mm	2222	ø 2.5mm	2322	ø 3.5mm	2422	ø 4.5mm	2522	ø 5/32"	91472
ø 1.6mm	2232	ø 2.6mm	2332	ø 3.6mm	2432	ø 4.6mm	2532	ø 11/64"	108172
ø 1.7mm	2242	ø 2.7mm	2342	ø 3.7mm	2442	ø 4.7mm	2542	ø 3/16"	91482

COLLET FOR STANDARD COMPACT ANGLE HEADS: G, H & J (45°, 90°, 360°)



COLLET CAPACITY	PART NO.	COLLET CAPACITY	PART NO.	COLLET CAPACITY	PART NO.	COLLET CAPACITY	PART NO.
ø 1.6mm (1/16")	18922	ø 3.0mm	18992	ø 4.4mm (11/64")	19072	ø 5.8mm	19152
ø 1.8mm	18932	ø 3.2mm (1/8")	19002	ø 4.6mm	19082	ø 6.0mm (15/64")	19162
ø 2.0mm (5/64")	18942	ø 3.4mm	19022	ø 4.8mm (3/16")	19092	ø 6.2mm	19172
ø 2.2mm	18952	ø 3.6mm (9/64")	19032	ø 5.0mm	19102	ø 6.4mm (1/4")	19182
ø 2.4mm	18962	ø 3.8mm	19042	ø 5.2mm (13/64")	19122		
ø 2.6mm	18972	ø 4.0mm (5/32")	19052	ø 5.4mm	19132		
ø 2.8mm (7/64")	18982	ø 4.2mm	19062	ø 5.6mm (7/32")	19142		

XPB-M

TIGHTENING APPLICATIONS



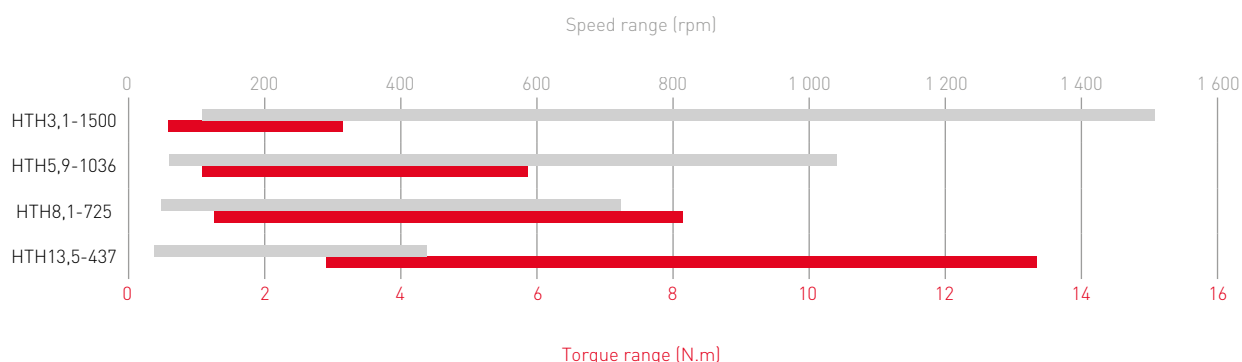
XPB-M concept offers a unique and flexible solution fully designed for aerospace applications. On top of the large number variety of drilling applications that can be tackled, XPB-M covers as well applications tightening.

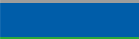
With its smart RFID head recognition, XPB-M automatically identifies a tightening head, and instantly becomes a torque control tool, with a focus on temporary fastener & frangible collar installation.

The tightening heads are common between temporary fastener & frangible collar, but specific cycles can be selected via software to allocate specific strategies for those 2 applications.

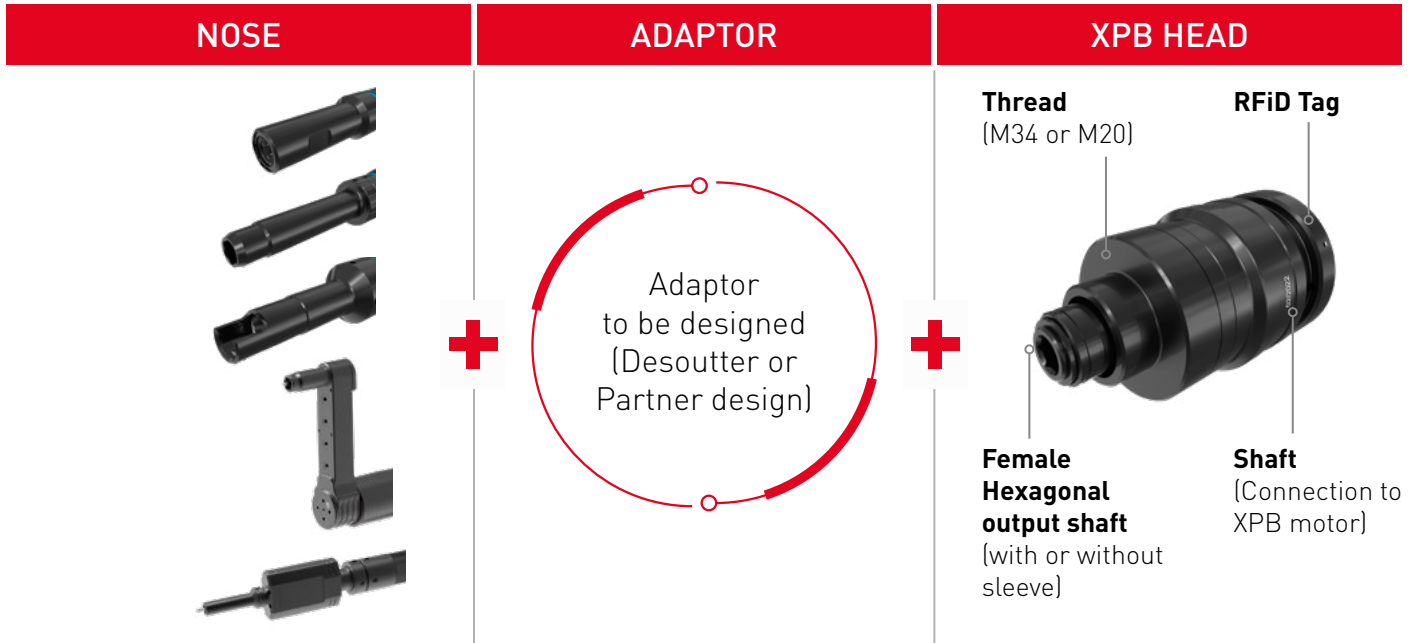
Our focus? Help you improve process quality, reduce the tool footprint on the production line, control the process in a better way, streamline the assets, reducing total cost of ownership. XPB-M is the enabler for process improvement for all manual operations, and paves the way to industry 4.0.

XPB-M TIGHTENING HEAD RANGE

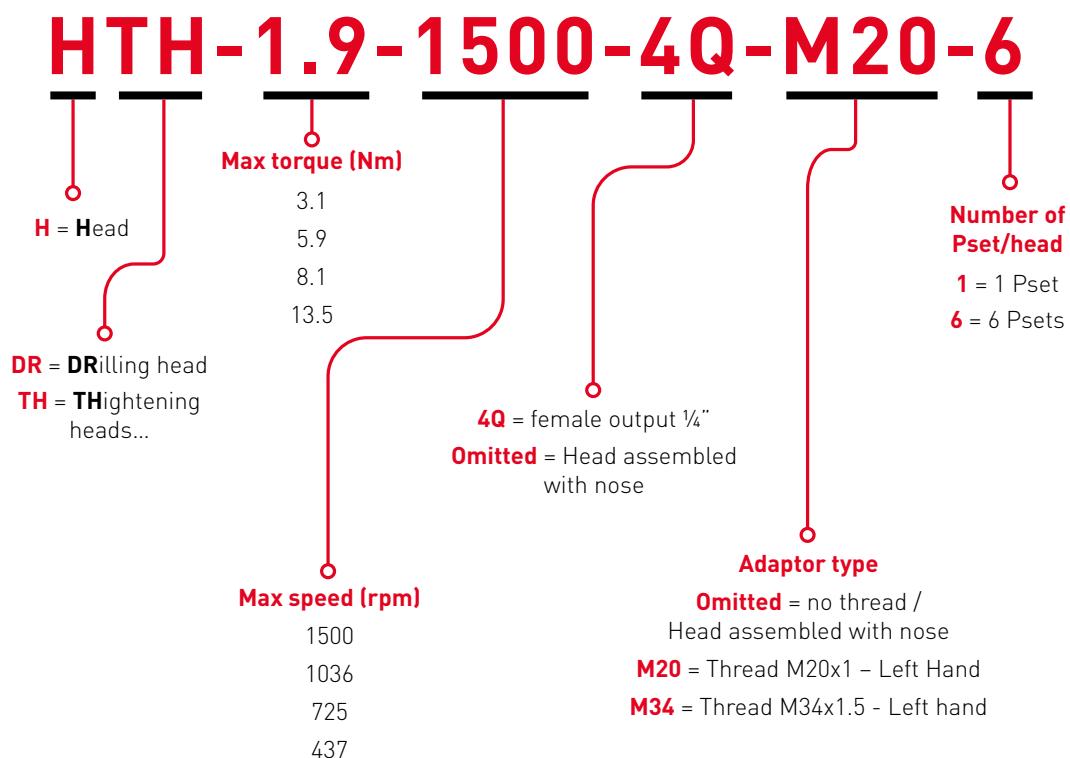


HEAD NAME	COLOR RING	SPEED		MINIMUM RUNDOWN TORQUE		MINIMUM RECOMMENDED FINAL TORQUE		MAX TORQUE	
		min	max	Nm	in.lb	Nm	in.lb	Nm	in.lb
HTH3,1-1500		110	1 500	0.6	5.3	1.2	10.6	3.1	27.2
HTH5,9-1036		60	1 030	1.2	10.2	2.3	20.4	5.9	52.4
HTH8,1-725		40	720	1.7	15.4	3.5	30.8	8.1	71.8
HTH13,5-437		30	430	2.9	25.6	5.8	51.2	13.5	119.4

TIGHTENING HEAD CONCEPT



TIGHTENING HEAD DESCRIPTION KEY



XPB-M – CALIBRATION PROCESS

MODULARITY APPROACH

Our target: make sure your fasteners are installed at the required torque. XPB-M unique modularity means several heads installed on different tools.

Quality & process control being key, all those combinations must provide the right torque value for each single fastener installed. This is how we ensure it.



TOOL CALCULATION

$$\text{Torque measurement tool} \times \text{COEF TOOL} \times \text{COEF PSET} = \text{Target torque} \checkmark$$

BASE TIGHTENING HEADS

XPB solutions for temporary fastener installation can virtually cover the full range of application in your factory.

Either you find exactly the right solution required (Lisi or Monogram), or you just need to order the XPB head, and our project team will support you adapt any output required.

XPB HEAD - ADAPTOR THREAD M20x1 LH



A



B



C



D

PIC	COLOR CODE	SPEED		MINIMUM RUNDOWN TORQUE		MINIMUM FINAL TORQUE		MAXIMUM TORQUE		PART NUMBER		LENGTH		DIA.		WEIGHT	
		min	max	Nm	in.lb	Nm	in.lb	Nm	in.lb	1 PSET	6 PSET	mm	in.	mm	in.	kg	lb
A		110	1 500	0.6	5.3	1.2	10.6	3.1	27.2	615 401 171 0	615 401 178 0	64.90	2.56	38.00	1.50	0.18	0.39
B		60	1 030	1.2	10.2	2.3	20.4	5.9	52.4	615 401 173 0	615 401 180 0	64.90	2.56	38.00	1.50	0.18	0.39
C		40	720	1.7	15.4	3.5	30.8	8.1	71.8	615 401 174 0	615 401 181 0	89.20	3.51	38.00	1.50	0.28	0.61
D		30	430	2.9	25.6	5.8	51.2	13.5	119.4	615 401 175 0	615 401 182 0	89.20	3.51	38.00	1.50	0.28	0.61

XPB HEAD - ADAPTOR THREAD M34x1,5 LH



A



B



C



D

PIC	COLOR CODE	SPEED		MINIMUM RUNDOWN TORQUE		MINIMUM FINAL TORQUE		MAXIMUM TORQUE		PART NUMBER		LENGTH		DIA.		WEIGHT	
		min	max	Nm	in.lb	Nm	in.lb	Nm	in.lb	1 PSET	6 PSET	mm	in.	mm	in.	kg	lb
A		110	1 500	0.6	5.3	1.2	10.6	3.1	27.2	615 401 156 0	615 401 163 0	64.90	2.56	38.00	1.50	0.18	0.39
B		60	1 030	1.2	10.2	2.3	20.4	5.9	52.4	615 401 158 0	615 401 165 0	64.90	2.56	38.00	1.50	0.18	0.39
C		40	720	1.7	15.4	3.5	30.8	8.1	71.8	615 401 159 0	615 401 166 0	89.20	3.51	38.00	1.50	0.28	0.61
D		30	430	2.9	25.6	5.8	51.2	13.5	119.4	615 401 160 0	615 401 167 0	89.20	3.51	38.00	1.50	0.28	0.61

XPB-M

TEMPORARY FASTENER HEAD RANGE

XPB-M approach is unique:

Unlimited number of heads per tool

Up to 6 cycles per head

Wide range of fasteners covered.

Now how does that compare to your current production line?



HEADS FOR MONOGRAM FASTENERS
CYLINDRICAL & HEXAGONAL



lisi



HEADS FOR STANDARD &
ROBOTIC LISI TEMPORARY
FASTENERS



HEADS FOR OTHER
TEMPORARY FASTENERS
AVAILABLE ON DEMAND



HEADS FOR MONOGRAM FASTENERS



MONOGRAM CYLINDRICAL (CBX)



A



B



C



D

PIC	COLOR CODE	SPEED		MINIMUM RUNDOWN TORQUE		MINIMUM RECOMMENDED FINAL TORQUE		MAXIMUM TORQUE		PART NUMBER		LENGTH		DIA.		WEIGHT	
		min	max	Nm	in.Lb	Nm	in.Lb	Nm	in.Lb	1 PSET	6 PSET	mm	in.	mm	in.	kg	lb
A		110	1 500	0.6	5.3	1.2	10.6	3.1	27.2	ASC0212203	ASC0212187	135.70	5.34	39.00	1.54	0.49	1.09
B		60	1 030	1.2	10.2	2.3	20.4	5.9	52.4	ASC0212205	ASC0212189	135.70	5.34	39.00	1.54	0.49	1.09
C		40	720	1.7	15.4	3.5	30.8	8.1	71.8	ASC0212206	ASC0212190	160.00	6.30	39.00	1.54	0.60	1.31
D		30	430	2.9	25.6	5.8	51.2	13.5	119.4	ASC0212207	ASC0212191	160.00	6.30	39.00	1.54	0.60	1.31

MONOGRAM HEXAGONAL



A



B



C



D

PIC	COLOR CODE	SPEED		MINIMUM RUNDOWN TORQUE		MINIMUM RECOMMENDED FINAL TORQUE		MAXIMUM TORQUE		PART NUMBER		LENGTH		DIA.		WEIGHT	
		min	max	Nm	in.Lb	Nm	in.Lb	Nm	in.Lb	1 PSET	6 PSET	mm	in.	mm	in.	kg	lb
A		110	1 500	0.6	5.3	1.2	10.6	3.1	27.2	ASC0212211	ASC0212195	140.70	5.54	39.00	1.54	0.49	1.09
B		60	1 030	1.2	10.2	2.3	20.4	5.9	52.4	ASC0212213	ASC0212197	140.70	5.54	39.00	1.54	0.49	1.09
C		40	720	1.7	15.4	3.5	30.8	8.1	71.8	ASC0212214	ASC0212198	165.00	6.50	39.00	1.54	0.60	1.31
D		30	430	2.9	25.6	5.8	51.2	13.5	119.4	ASC0212215	ASC0212199	165.00	6.50	39.00	1.54	0.60	1.31

HEADS FOR LISI FASTENERS

Desoutter offers a wide range of solutions, covering Lisi temporary fasteners



TEMPORARY FASTENER DESCRIPTION KEY



XPB Head



Driver



Nose

TF-L-41-H10-H12

OutputType

Omitted = head only – no Fastener

TF = Temporary Fastener
FC = Frangible Collar

Fastener Brand

Omitted = head only – no nose

M = Monogram
L = Lisi
C = Centrix
X = ...

Fastener Type

Omitted = head only – no nose

C = Cylindrical (CBX Monogram)
H = Hexagonal (HNX Monogram)
XXX = Lisi temporary serie

Driver Type

Omitted = not needed

C9.5 = Cylindrical 9.5mm
C10 = Cylindrical 10mm
H9 = Hexagonal 9mm A/F
H10 = Hexagonal 10mm A/F

H13 = Hexagonal 13mm A/F

O8 = Octogonal 8mm A/F
O9.25 = Octogonal 9.25mm A/F
O12.9 = Octogonal 12.9mm A/F
O19.4 = Octogonal 19.4mm A/F

Nose (holder) Type

Omitted: not needed

H12 = Hexagonal 12mm A/F
H14 = Hexagonal 14mm A/F
H18 = Hexagonal 18mm A/F
H20 = Hexagonal 20mm A/F

F16 = Flat 16mm A/F
F26 = Flat 26mm A/F
F32 = Flat 32mm A/F
F38 = Flat 38mm A/F



HEAD SELECTION GUIDE

- 1 Select your temporary fastener series
- 2 Check the nose type required within this series
- 3 Check application torque level to select correct head (criteria: torque range)
- 4 Check if head speed range in line with your requirements
- 5 Select 1 or 6 pset Head option

Nm	0	2	4	6	8	10	12	14
in.lb	0	18	35	53	71	89	106	124

HEADS COLOR CODE

1.2-3.1 Nm / 11-27 in.lb
2-5.9 Nm / 18-52 in.lb
4-8 Nm / 35-71 in.lb
5-13.4 Nm / 44-119 in.lb

Series	FASTENER PIC	Nose Type
Series 22		D10-H12
Series 26		H09-H12*
Series 27		H09-H12*
Series 28		H09-H12*
Series 32		D10-H12
Series 41		H10-H12
Series 42		D10-H12
Series 42S		D10-H12
Series 43		H10-H12
Series 44H		H10-H12
Series 45G		D10-H12
Series 45GH		H10-H12
Series 49		D10-H14
Series 49G		D10-H14
Series 49GH		H10-H12 H10-H14
Series 49H		H10-H14
Series 51		H10-H12
Series 52		D10-H12
Series 70		D10-H12
Series 81		D10-H12 H13-H20*
Series M/MG		H10-H12 H10-H14 H13-H18*
Series R/RG		H10-H12 H10-H14 H13-H18*
Series 352		*

* Please contact your Desoutter representative, If the Series you needed is not listed above.

COL. CODE	SPEED		MINIMUM RUNDOWN TORQUE		MINIMUM RECOMMENDED FINAL TORQUE		MAX TORQUE		HEAD							
	min	max	Nm	in.lb	Nm	in.lb	Nm	in.lb	HEX10 / HEX12		HEX10 / HEX14		DIA9.5 / HEX12		DIA10 / HEX12	
									1 PSET	6 PSET	1 PSET	6 PSET	1 PSET	6 PSET	1 PSET	6 PSET
Blue	110	1 500	0.6	5.3	1.2	10.6	3.1	27.2	ASC0212269	ASC0212237	ASC0212277	ASC0212245	ASC0212285	ASC0212253	ASC0212293	ASC0212261
Green	60	1 030	1.2	10.2	2.3	20.4	5.9	52.4	ASC0212271	ASC0212239	ASC0212279	ASC0212247	ASC0212287	ASC0212255	ASC0212295	ASC0212263
Yellow	40	720	1.7	15.4	3.5	30.8	8.1	71.8	ASC0212272	ASC0212240	ASC0212280	ASC0212248	ASC0212288	ASC0212256	ASC0212296	ASC0212264
Red	30	430	2.9	25.6	5.8	51.2	13.5	119.4	ASC0212273	ASC0212241	ASC0212281	ASC0212249	ASC0212289	ASC0212257	ASC0212297	ASC0212265

XPB-M

FRANGIBLE COLLAR HEAD RANGE

XPB-M approach is unique:

Unlimited number of heads per tool

Up to 6 cycles per head

Wide range of fasteners covered

Now how does that compare to your current production line?



RANGE OF HEADS FOR FRANGIBLE
COLLARS (HOLD & DRIVE)



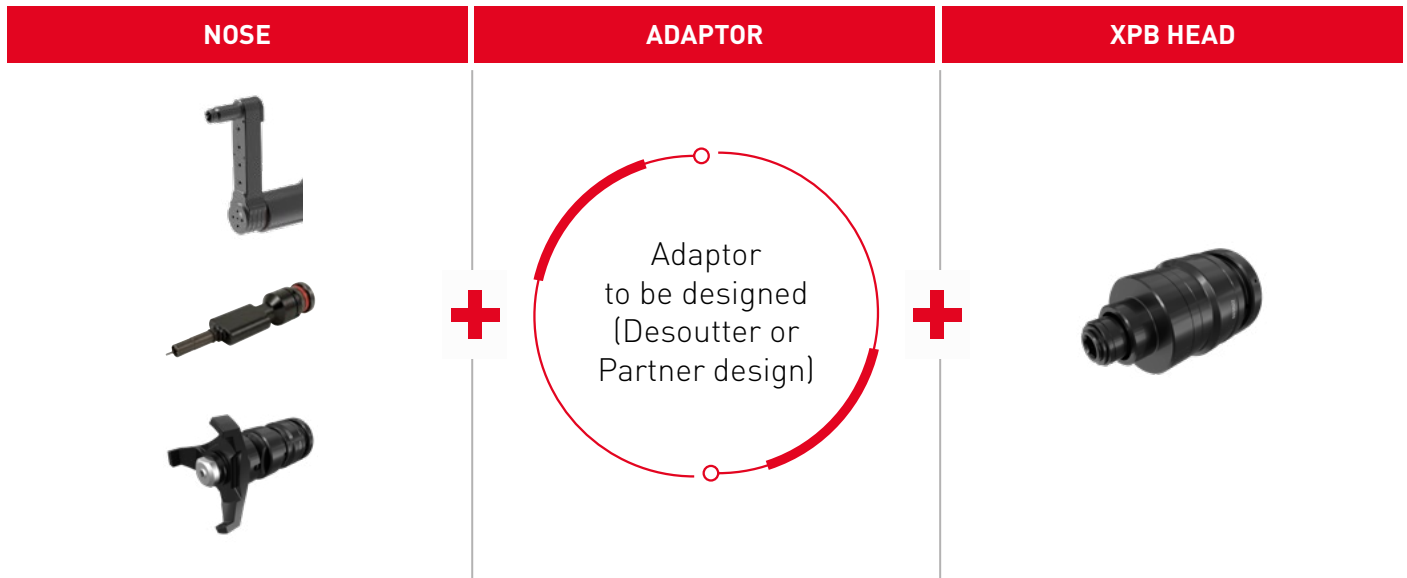
RANGE OF HEADS FOR FRANGIBLE
COLLARS (WITH INTERFERENCE)



RANGE OF HEADS FOR VARIOUS
BLIND FASTENERS

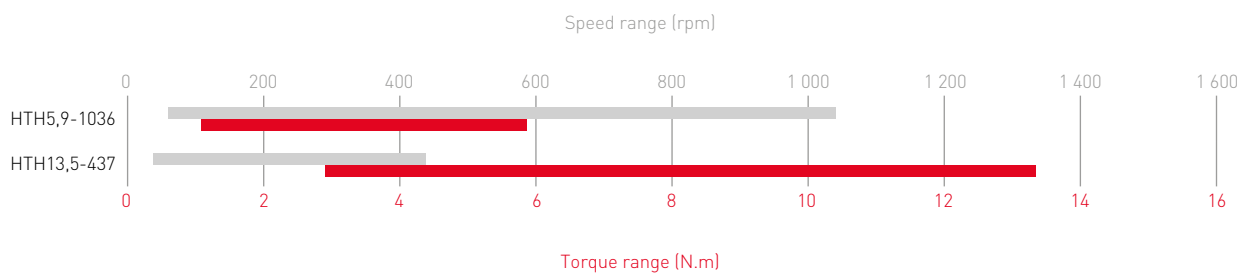


FRANGIBLE HEAD CONCEPT



The XPB-M can cover a wide range of frangible collar and blind fastener applications.
Please contact your local Desoutter representative

XPB-M FRANGIBLE COLLAR HEAD RANGE



COLOR CODE	HEAD	SPEED RANGE (RPM)		MIN RUNDOWN		MIN TORQUE		MAX TORQUE	
		min	max	Nm	in.lb	Nm	in.lb	Nm	in.lb
	HTH5,9-1036	60	1 030	1.2	10.2	2.3	20.4	5.9	52.4
	HTH13,5-437	30	430	2.9	25.6	5.8	51.2	13.5	119.4

XPB RANGE

BATTERY PACK AND CHARGER



BATTERY SAFETY

Compliant with the new European standard on battery safety [IEC 62841]

This standard should be applied USA in 2020



WARRANTY

300 charges or 1 year since the delivery

No warranty doubt about a failed battery
(State of health evolution, Number of charge, Error code, aging)



LIFETIME

Our new battery lifetime is increasing by more than 20% in relation to our current one



BATTERY PARK MANAGEMENT

Automatic battery data collection when connecting to wireless communication tools



LOAD INDICATOR

Load indicator to know what is the status of the battery charge



WARNING LED

WARNING LED to inform when an error occurred during the charge



BATTERY LOAD LEVEL

Load indicator information directly on the battery



STATE OF HEALTH

Information on the state of health of the battery to know if the battery should be replaced or not



ERGONOMY

Wider button [3 finger button] for a better grip



COMPATIBILITY

Our current and new battery can be charged with this new charger [new battery could be charged on our current charger as well]



DAISY CHAIN

Possibility daisy chain the chargers to make installation easier. The number of charger is limited by the maximum input current to 10A and it is fuse protected on each charger.

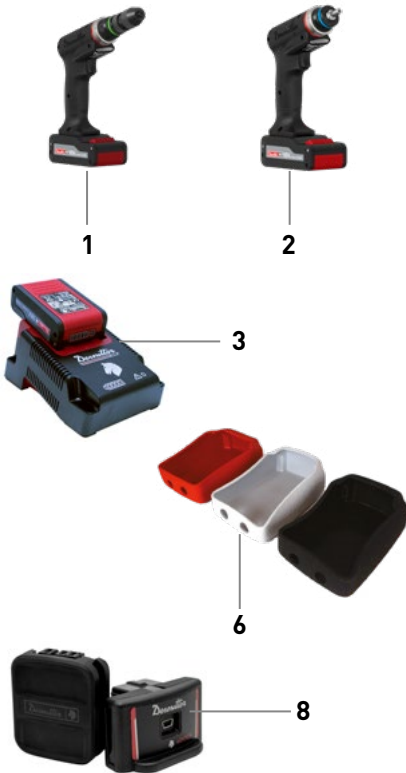
Example: Maximum input current for European mains (230V) is 1A per charger

- Maximum 10 chargers linked in daisy chain for 230 Vac
- Maximum 5 chargers linked in daisy chain for 115 Vac.

INSTALLATION

4 holes to be able to fix the charger on the wall or in a cabinet





OPTIONAL ACCESSORIES

ITEM		PART NO.
BATTERY TYPE		
1	Li-ion battery pack 18V 2.5 Ah - 0.46 kg (1,01lb)	615 813 266 0
2	Li-ion battery pack 36V 2.5 Ah - 0.77 kg (1,70lb)	615 813 267 0

CHARGERS

3	Charger Universal 18 / 36V	615 813 270 0
•	Power Cord C13-C14 L=0.3m (daisy chain cable)	615 813 383 0

PROTECTIVE COVERS - BATTERY

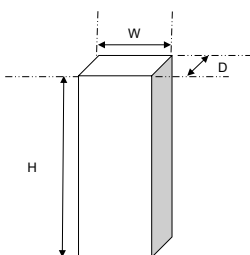
6	For Battery 18V 2.5Ah - Clear	615 211 136 0
6	For Battery 18V 2.5Ah - Black	615 211 137 0
6	For Battery 18V 2.5Ah - Red	615 211 138 0
6	For Battery 18V 2.5Ah - Grey	615 211 139 0
6	For Battery 36V 2.5Ah - Clear	615 211 140 0
6	For Battery 36V 2.5Ah - Black	615 211 141 0
6	For Battery 36V 2.5Ah - Red	615 211 142 0
6	For Battery 36V 2.5Ah - Grey	615 211 143 0

MISCELLANEOUS

12	eDOCK + Battery data interface	615 813 400 0
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CHARGING CABINET

4 models for different needs



CABINET



DSM0111500



DSM0111600



DSM0111800



DSM0111700

Max capacity	4 chargers	8 chargers	12 chargers	24 chargers
H	600 mm	1000 mm	1500 mm	2100 mm
W	400 mm	800 mm	800 mm	800 mm
D	260 mm	400 mm	400 mm	400 mm

Workbench or wall mounting

Floor mounting

XPB RANGE SERVICE SOLUTIONS

MAINTENANCE SOLUTIONS
REDUCE BREAKDOWNS AND
EXTEND TOOL LIFE TO BOOST
COST EFFICIENCY, UPTIME
AND PRODUCTIVITY

Basic Care

A flexible fixed price preventive maintenance program that includes wear parts and labour.

Smart Care

A fixed price preventive maintenance plan and repairs included.*

The maintenance is optimised according to the tool usage.
All wear parts are replaced at the right time.

Peace of mind

Onsite maintenance and production support that includes:

An optimised preventive maintenance plan and repairs included.*

Plus technical support for trouble shooting, optimisation and operator coaching to maximise the efficiency of your tools.

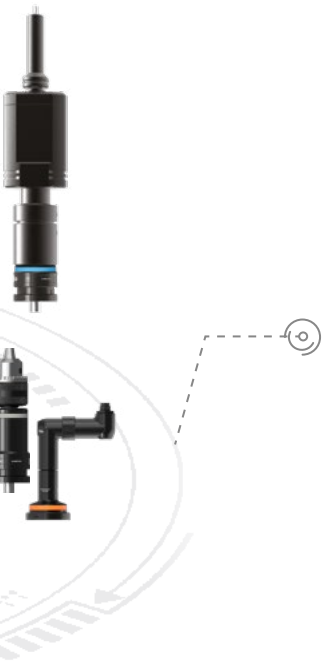
* Except in case of misuse or abuse



SMART START
HIGH PERFORMANCE, RIGHT FROM THE START!

A fast, high quality installation with no delays that ensures tool accuracy and optimum set-up.





PRODUCTION SUPPORT ON-SITE SUPPORT TO HELP BOOST UPTIME AND PRODUCTIVITY

On-site technicians

Our certified technicians are on hand to quickly solve any on-site issues detected or identify process improvement opportunities.

Certification Training

Develop your technicians' knowledge on troubleshooting and assembly technics. Improve the interaction with Desoutter for efficient remote support.

BOOST YOUR UPTIME

- ▶ Preventive Maintenance significantly reduces breakdowns and therefore production stops. Uptime is improved.
- ▶ Our experienced on-site technicians know your applications and are on hand to support your team. This allows early detection and resolution of problems. Your uptime is further improved.

BOOST YOUR PRODUCTIVITY

- ▶ Desoutter on-site technicians will coach and support your teams on how to get the best from your equipment. This helps to reduce errors and rework, boosting productivity and quality.
- ▶ Our on-site technicians will help your team to identify and implement process improvements to help you further boost productivity.

BOOST YOUR MAINTENANCE COST EFFICIENCY

- ▶ Preventive Maintenance decreases breakdowns and extends tool life. This significantly reduces repair and administration costs.

BOOST YOUR FLEXIBILITY

- ▶ All our service solutions can be tailored to your exact needs to ensure maximum flexibility in your production locally or worldwide.

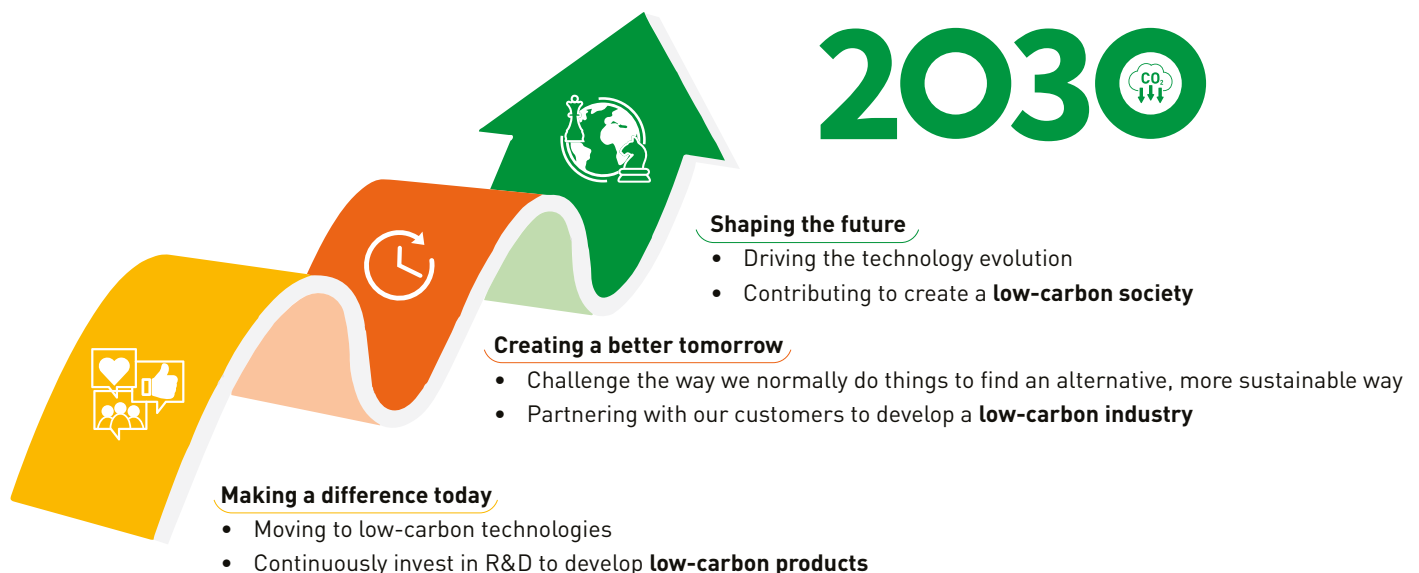
XPB RANGE

YOUR STRATEGIC SUSTAINABLE PARTNER



Desoutter is committed to being part of the solution for a better tomorrow. We run an integrated sustainability strategy with ambitious goals.

Our major focus is to **reduce CO₂ emissions** by developing **low-carbon innovations**.
Our vision is **to become your strategic partner, and together drive this transformation.**



Aerospace assemblies are still heavily relying on pneumatic energy as their main power source. Thousands of them are used every day on all aerospace factories worldwide. With the arrival of the latest range of electric tools, a huge opportunity for CO₂ reduction is now available for our customers.

We offer Desoutter **Expertise, Solutions and Services** to reduce your carbon footprint.



With XPB ONE, SAVE UP TO 12 TIMES CO₂ COMPARED TO AN EQUIVALENT DESOUTTER PNEUMATIC DRILL.

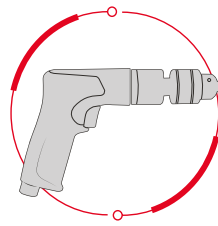
Based on the ISO 14067:2018 standard, Product Carbon Footprint [PCF] sums up the total greenhouse gas emissions generated by a product over the different stages of its life cycle.

XPB ONE

PCF value
118 kg / 261 lbs
CO₂e/unit*



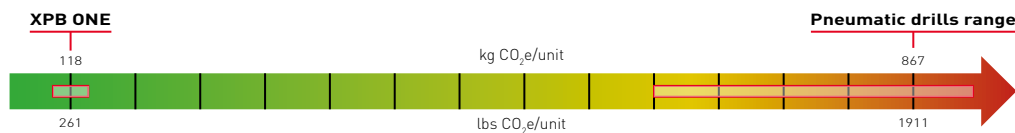
V/S



Desoutter pneumatic drill

PCF average value
867 kg / 1 911 lbs
CO₂e/unit

CARBON FOOTPRINT SCALE



Energy saved
518 kWh



Equivalent to CO₂ absorbed by
12 ten-year-old trees



XPB ONE
CO₂ savings equivalencies



Equivalent to gasoline powered car CO₂ emission for **3 099 km / 1 911 miles**



Equivalent to energy used to charge
91 056 smartphones

Sources: U.S Environmental Protection Agency / International Energy Agency

*PCF values for 500 000 cycles (inc. battery and charger). Values based on generic usage and CO₂ emission average of Desoutter sales.



Contact our experts to simulate savings for your installation.





More Than Productivity