



ATEX BOLTING SYSTEMS

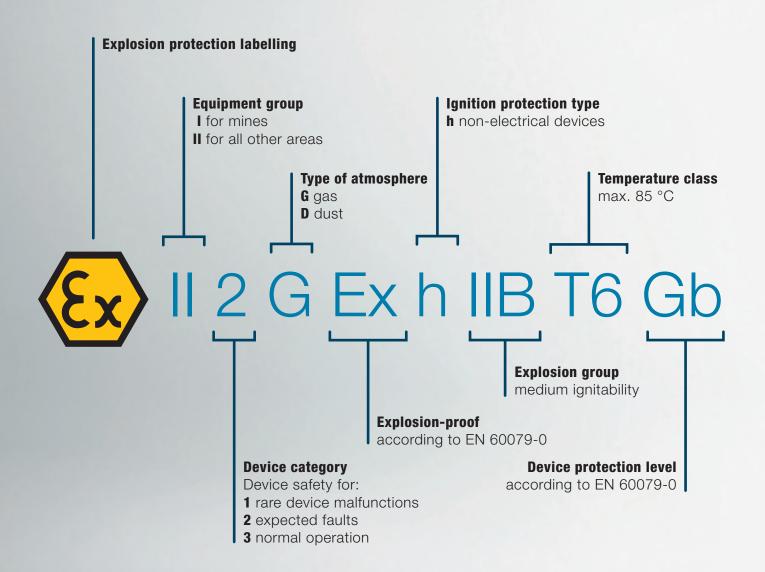
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ATEX

WORKING IN POTENTIALLY EXPLOSIVE AREAS

European ATEX-Directive 2014/34/EU

ATEX-compliant devices are always required in the assembly of bolted connections when there is a risk of explosive atmospheres in a working environment. 'ATEX' stands for 'Atmosphères Explosibles' and refers to the EU regulations that govern devices and protective systems that may be used in potentially explosive atmospheres. These regulations apply in all industries where potentially explosive atmospheres could exist, such as in the chemical, pharmaceutical, oil and gas industries, but also in food production or in other areas where there is a risk of dust and gas explosions.

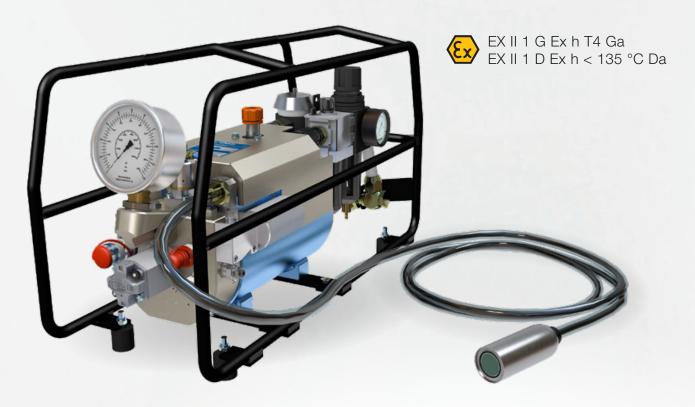


Hydraulic bolting systems, ATEX-compliant

ATEX-compliant hydraulic bolting systems are specially developed solutions that are used in potentially explosive atmospheres and fulfil the highest safety standards.

XP1eco 20 2-Stage

The pneumatic hydraulic power pack *XP1eco 20 2-Stage* can be used in Zone 2G and is therefore approved for work in areas with potentially explosive gaseous substances.



PNEUMATIC ATEX MODEL



Туре	Oil pressure max. bar	Flow stage	Flow rate stage 1 I/min	Flow rate stage 2 I/min	Drive pneumatic	Dimensions (L1 x l1 x H1) mm	Weight kg
XP1eco 20 2-Stage	800	2	7.0	1.6	4-7 bar, 40-65 l/s	634 x 257 x 395	32

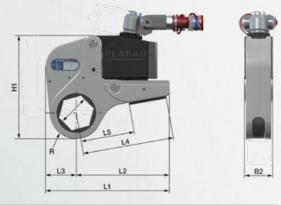
FSX ATEX-Hydraulic wrench

Thanks to its lightweight, slim design and fine-toothed ratchet system, the FSX is perfect for tight, sensitive and hard-to-reach areas. The simple change between tightening and loosening mode, its high fastening speed and the ease with which the ratchet head can be changed make the FSX the ultimate tool.

- Optimally matched to Plarad power packs
- SQS high-pressure safety cylinder
- fine ratchet system prevents from jamming the wrench on the bolted connection
- Safety due to pressure relief valve
- Service friendly







MODELS // DATA

FSX Combinations	Performance range (Nm)		Working pressure (max. bar)	A/F		L1 mm	L2 mm	L3 mm	L4 mm	L5 mm	H1 mm	R mm	B2 mm	Weight* kg	Case material
	min	max		min	max										
SX-EC 1*** / HSX	100	1000	800	27	41	149	111.5	37.5	109	48.8	116	29.5	32.0	1.60	Aluminium
SX-EC 2 / HSX	250	2500	800	24	70	173	127.7	45.3	127	62.0	141	38.0	41.0	2.75	Aluminium
SX-EC 5 / HSX	500	5 500	800	32	85	221	166.0	55.0	163	95.0	184	46.0	50.0	5.85	Aluminium
SX-EC 8 / HSX	800	8500	800	46	80	250	180.0	70.0	180	80.0	207	55.0	55.0	6.40	Aluminium
SX-EC 12 / HSX	1200	12 000	800	55	120	298	220.0	78.0	217	112.0	232	66.5	64.0	7.90	Aluminium
SX-EC 20 / HSX	2000	20 000	800	55	145	360	263.0	97.0	258	148.0	299	87.5	80.0	16.50	Aluminium
SX 30 TST / HSX	3000	30 000	800	95	145	389	277.0	112.0	278	133.0	328	99.5	102.5	26.50	Aluminium
SX 45 TST / HSX	4500	45 000	800	120	185	426	305.0	121.0	302	167.0	376	119.0	111.0	35.00	Aluminium

^{**}Item numbers of the SX-EC drive unit without accessories ***Supplied with TSM connection

MX-EC ATEX-Hydraulic wrench

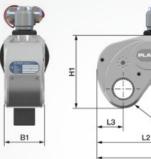
With its fine-toothed ratchet system and quick-change mechanism for the square drive, it is perfect for versatile and demanding bolted joints. Power ranges from 50 to 65,000 Nm and the smallest dimensions open up new possibilities for the MX-EC, even in hard-to-reach work areas.

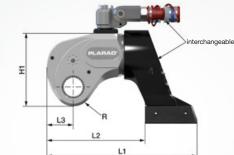
- Optimized coordination with Plarad power packs
- SQS high-pressure safety cylinder
- · Release impact damping to protect the housing
- Durable fine-toothed ratchet system
- Safety due to pressure relief valve



- Special high pressure safety chamber up to 800 bar operating
- Highest torque accuracy and no jamming thanks to special drive system







MODELS // DATA

Туре	Square drive (inch)	Performance range (Nm)		Working pressure max. bar	L1 mm	L2 mm	L3 mm	H mm	R mm	B mm	Weight* kg	Case material
		min	max						7			
MX-EC 5 TSM	1/2"	50	500	800	138.0	88.0	21.0	47.0	16.0	35	1.65	Steel
MX-EC 10	3/4"	100	1000	800	166.0	111.0	27.0	78.5	20.5	40	2.60	Steel
MX-EC 20	1"	210	2100	800	194.5	134.5	34.5	93.0	24.0	50	2.50	Aluminium
MX-EC 45	1"	450	4500	800	255.8	167.8	43.9	127.0	32.0	67	4.90	Aluminium
MX-EC 75	1 1/2"	750	7500	800	304.0	187.0	50.0	108.5	37.5	80	7.30	Aluminium
MX-EC 95	1 1/2"	950	9500	800	301.5	202.0	48.1	156.0	42.0	85	9.50	Aluminium
MX-EC 120	1 1/2"	1200	12000	800	341.0	241.0	58.0	169.0	46.0	93	10.50	Aluminium
MX-EC 155	1 1/2"	1550	15 500	800	360.0	260.0	65.0	181.0	49.0	100	13.50	Aluminium
MX-EC 200	2 1/2"	2000	20500	800	394.0	281.0	71.0	213.0	55.0	112	20.50	Aluminium
MX-EC 300	2 1/2"	3000	30 000	800	436.0	314.0	85.0	245.0	61.5	130	35.50	Aluminium
MSX/T 400	2 1/2"	4000	40 000	800	453.0	319.0	90.0	273.5	66.5	136	49.30	Aluminium
MSX/T 650	3 1/2"	6500	65000	800	431.0	269.5	112.0	329.5	84.0	155	77.70	Aluminium

Our pneumatic ATEX solution

Pneumatic bolting tools reduce the risk of fire and explosion in ATEX applications, as no fluids or oils are required.

DP2power ATEX

The DP2power pneumatic nut runner is powerful, robust and practical to operate and application. The perfect nut runner when not only precision, but also power and and performance in continuous use.

- Torques of up to 8,000 Nm
- Durable and robust thanks to high-quality components and robust, suitable for continuous use
- Nominal torque is achieved at low pressure
- Drive can be rotated through 360° Low noise and low vibration. Ergonomic working and low strain on the user
- Compact dimensions thanks to short drive, for low weight with high performance capability



DP2power ATEX

The DP2power pneumatic nut runner is designed to optimise work in areas that are otherwise difficult to access. The ATEX version is also suitable for areas with potentially explosive atmospheres.

- · Compact dimensions, low weight
- Suitable for use in difficult to access and confined environments
- Low noise and vibration
- Torques up to 8000 Nm





MODELS // DATA

DP2power ATEX

Тур	Performance range (Nm)		L1 (mm)	L2 (mm)	L3 (mm)	D1 (mm)	H1 (mm)	Z (mm)	Weight* (kg)	Square drive	RPM	Idle speed at 4bar (RPM)	Pressure (max.bar)
	min	max											
DP2-05	125	500	290	60.5	26.5	68.5	181	26	4.7	3/4"	26.7	26.7	6
DP2-10	250	1000	306	60.5	26.5	68.5	181	26	4.9	3/4"	11.9	11.9	6
DP2-20	500	2000	330	61.5	27.5	80.0	181	26	6.0	1"	5.4	5.4	6
DP2-30	600	3000	346	61.5	27.5	80.0	181	26	6.6	1"	3.4	3.4	6
DP2-36	750	3 600	346	61.5	27.5	80.0	181	26	6.6	1"	3.1	3.1	6
DP2-48	1200	4800	378	83.5	43.5	86.0	181	45	8.6	1 1/2"	2.2	2.2	6
DP2-80	2200	8 000	446	106.0	43.5	101.0	181	39	12.7	1 1/2"	1.1	1.1	6



MODELS // DATA

DP2power ATEX

Тур	Performance range (Nm)		L1 (mm)	H1 (mm)	H2 (mm)	H3 (mm)	H4 (mm)	D1 (mm)	Z (mm)	Weight* (kg)	Square drive	RPM	Idle speed at 4bar (RPM)	Pressure (max. bar)
	min	max												
DP2-05-W	125	500	220	237	181	60.5	26.5	68.5	26	4.7	3/4"	26.7	26.7	6
DP2-10-W	250	1000	220	253	181	60.5	26.5	68.5	26	4.9	3/4"	11.9	11.9	6
DP2-20-W	500	2000	226	277	181	61.5	27.5	80	26	6.0	1"	5.4	5.4	6
DP2-30-W	600	3000	226	292	181	61.5	27.5	80	26	6.6	1"	3.4	3.4	6
DP2-36-W	750	3 600	226	292	181	61.5	27.5	80	26	6.6	1"	3.1	3.1	6
DP2-48-W	1200	4800	229	324	181	83.5	43.5	86	45	8.6	1 1/2"	1.1	2.2	6
DP2-80-W	2200	8000	236	392	181	106.0	43.5	101	39	12.7	1 1/2"	1.1	1.1	6

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