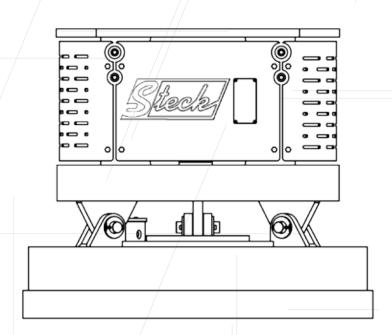
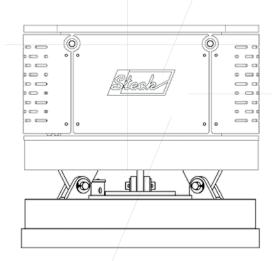


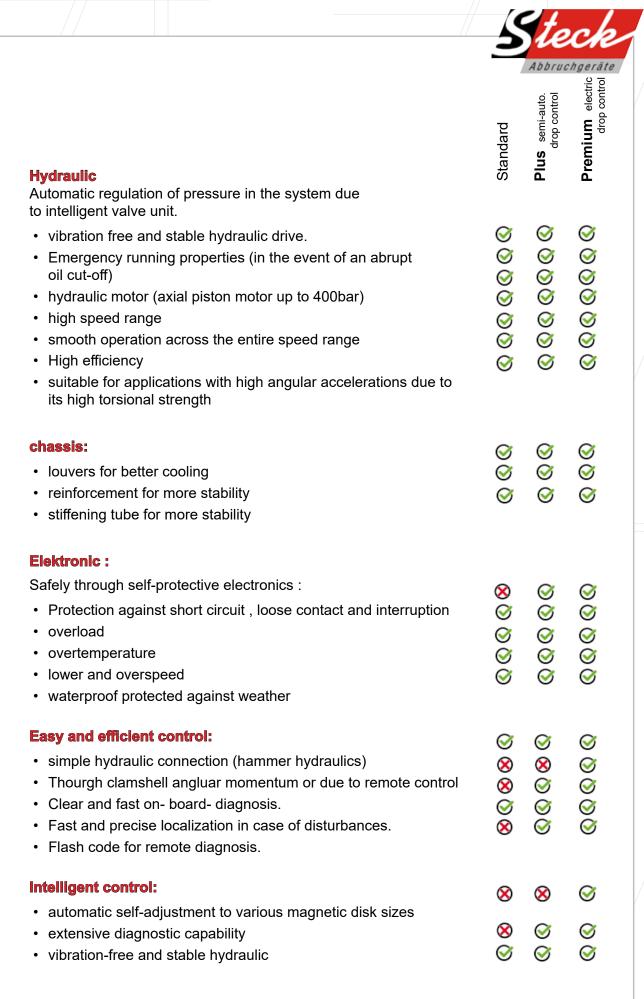
Lifting magnets







Lifting magnets Overview of the differences	Standard	Plus semi-auto. drop control	Premium electric drop control
 Drive motor (axial piston motor up to 400bar) 	4 mont 2 ccm 9 kW	hs	36 months 25 ccm 13 kW
M8M14M16	⊗ ⊘	⊗ ⊘	∅ ∅
Environmentally friendly			
internal leakage oil return	\bigcirc	\bigcirc	$\boldsymbol{\varnothing}$
Easy handling:			
 compact construction, integrated power supply no additional installation on excavator needed magnet pendulum with parking device remote control multifunctional status display 	∅∅∅∅∅		Stock
Easy maintenance:			
 maintenance- free components fourfold protection against short- circuit and overload vibration resistant and shakeproof parametrized digital generator governor plug & play: pluggable connections for easy commissioning and service 	00000		0000 0000
Generator :			
 brushless, robust synchronous generator housing made of corrosion- free alloys dirty resistant housing/ special profile up to 25% shorter cycle times in maximum efficiency. protection class IP 65 wear-free electronics 	0000000	0000000	<u> </u>



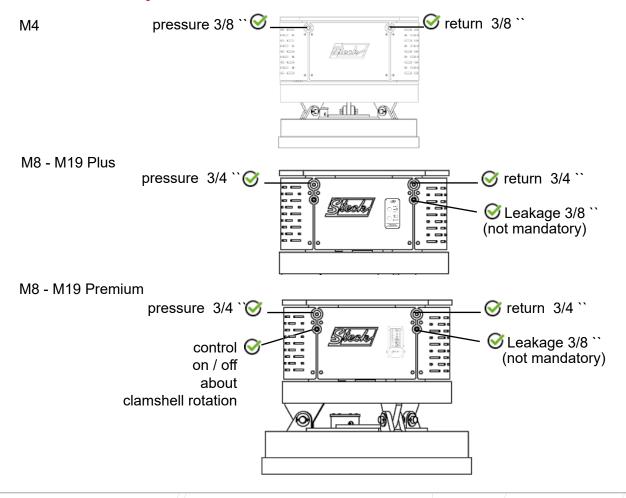
Lifting magnets Advantages of magnet plates: • Hermetically closed steel housing shakeproof and wear- resistant vibrations and abrasion • Magnetic circuit protected against external influences and moisture. • optimal weight- performance ratio guarantees maximum handling easy. • Temperature equalization due to steel surface.

Operation of magnet plates:

cable protection

No special maintenance needed except from periodic checking of electic connections, suspension connections and housing.

Connection for hydraulic comonents - Premium





Setting/ regulation of hydraulic:

Therefore no precise hydraulic setting needed

Setting details	M4
Oil flow	60 - 120 litres
Operating pressure	80 - 270 bar

Setting details	M8 - M19
Oil flow	90 - 250 litres
Operating pressure	200 - 300 bar
Return pressure max.	> 30 bar
Leakage oil max.	> 10 bar

recommended setting	M8 - M19
Oil flow	140 litres
Operating pressure	> 250 bar
Return pressure	> 20 bar
Leakage oil	> 10 bar



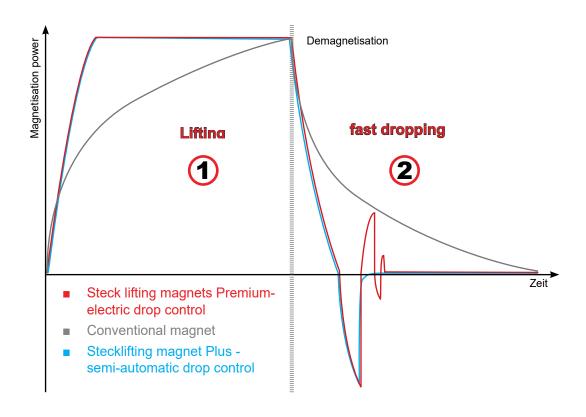
Lifting magnets advantage

1 Efficient lifting with voltage surge

To work even more efficient, Steck generator use a special technique. Due to a higher cut- in voltage the magnet picks up more material, before holding voltage is adjusted automatically. Therefore more material is loaded faster an safer. As a consequence this technology saves working time, wearing and fuel.

Variable demagnetization phase optimizes dropping

Time and stength of demagnetization determine the dropping of the magnet. Steck generators adjust these factors perfectly to the performance of the manget. Therby a faster turn on is possible too. After demagnetization the magnet is completely clean (no chips, pipes, plates or mixed scrap).













Lifting magnets

M4S Rigid version (S) Standard





Technical details	M4S
operating weight (t)	6 - 12
weight without adapter (kg)	420
load capacity (kg)	2.700
Ø in mm	720
height	620
qick hitch	MS08

Lifting magnets - Standard

M8S to M19S Rigid version (S) Standard





Technical details	M 8	M 14	М 16	M 19
operating weight (t)	7 - 15	12 - 30	15 - 45	24 - 55
weight without adapter kg)	800	1.360	1.650	1.970
generator power(kW)	9	9	9	9
magnet plate power (kW) cold	6	6	8,9	8,9
magnet plate power (kW) according to VDE0580	4,4	4,4	7	7





Lifting magnets - Plus





Technical details	M 14	M 16	M 19
operating weight (t)	12 - 30	15 - 45	24 - 55
weight without adapter (kg)	1.360	1.650	1.970
total height (mm)	1.017	1.042	1.022
total diameter (mm)	1.060	1.250	1.350
generator power(kW)	13	13	13
magnet plate power (kW) cold	7	10,8	12,8
magnet plate power (kW) according to VDE0580	5,5	9	10

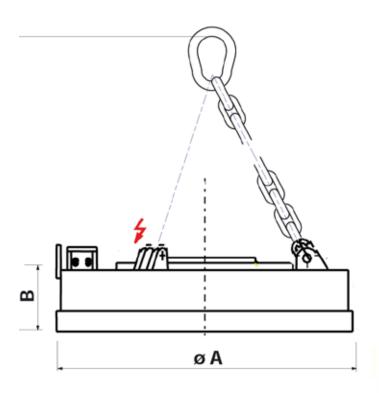
Lifting magnets - Premium

M8S to M19S Rigid version (S) Premium



Technical details	М 8	M 14	M 16	M 19
operating weight (t)	7 - 15	12 - 30	15 - 45	24 - 55
weight without adapter (kg)	800	1.360	1.650	1.970
total height (mm)	1.000	1.017	1.042	1.022
total diameter (mm)	860	1.060	1.250	1.350
generator power(kW)	9	13	13	13
magnet plate power (kW) cold	6	7	10,8	12,8
magnet plate power (kW) according to VDE0580	4,4	5,5	9	10

Magnet plates

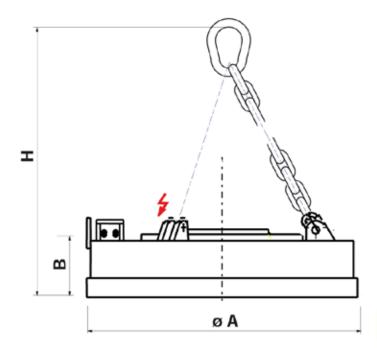


Lifting magnets	M4
weight (kg)	365
dimension A= Ø (mm)	720
dimension B (mm)	225
mains voltage (Vgs)	24
magnet power (kW)	0,6
with air gap Ø /300 ¹ Tensile strength (kg)	5.500
load capacity ¹ skelp block (kg)	2.700
load capacity ¹ iron ball (kg)	740
load capacity ¹ pig iron (kg)	85
load capacity ¹ scrap 3A 2,2÷2, 5 T/m³ (kg)	65
load capacity ¹ scrap 24 1,9÷2,0 T/m³ (kg)	55
load capacity ¹ scrap 40 0,8÷1, 0 T/m³ (kg)	35
Magnets plate	MP4

¹ According to VDE 0580. Defined in 5 hours from changing labor (50%), at ambient temperature of 20°C.

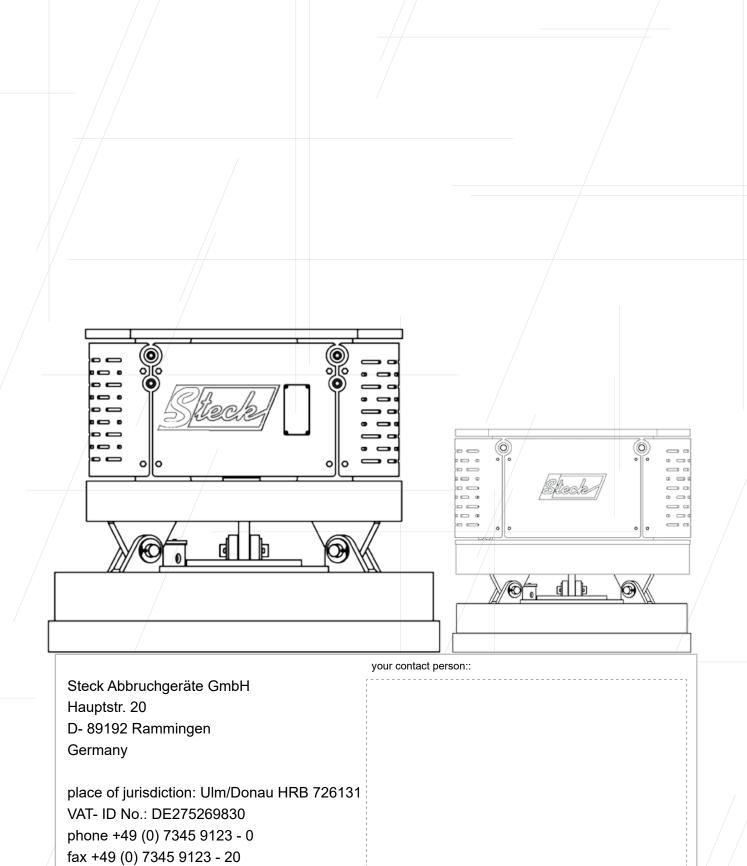


Due to special construction of magnet plate a better depth effect is achieved. Magnet plate is made of wear- resistant material which lead to lead to longer lifetime.



Lifting magnets	M8	M14	M15	M16	M19
weight (kg)	550	780	890	1.100	1.400
dimension A= Ø (mm)	860	1.060	1.140	1.250	1.450
dimension B (mm)	280	280	280	305	285
dimension H (mm)	975	975	975	1.000	1.000
Ø magnet (mm)	860	1.060	1.140	1.250	1.450
mains voltage (Vgs)	220	220	220	220	220
magnet power (kW)	4,4	5,5	7	9	10
with air gap \emptyset /300 ¹ Tensile strength (kg)	8.200	11.500	13.000	15.000	18.000
load capacity ¹ skelp block (kg)	4.100	5.750	6.500	7.500	9.000
load capacity ¹ iron ball (kg)	1.700	2.600	3.000	3.500	4.200
load capacity ¹ pig iron (kg)	200	280	320	410	580
load capacity ¹ scrap 3A 2,2÷2, 5 T/m³ (kg)	170	255	290	370	530
load capacity ¹ scrap 24 1,9÷2,0 T/m³ (kg)	160	240	280	360	510
load capacity ¹ scrap 40 0,8÷1, 0 T/m³ (kg)	80	120	140	190	240
Magnets plate	MP6	MP8	MP9	MP11	MP14

¹ According to VDE 0580. Defined in 5 hours from changing labor (50%), at ambient temperature of 20°C.



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