



**ESA Serie Hydraulic Electromagnets** are suitable for handling ferrous material, especially scraps destined to recycling. Designed as accessories, they are usually installed on excavators, industrial loaders and wherever ferrous material has to be quickly removed during industrial demolition.

The hydraulic lifting electromagnet does not have its own controls, but it is activated through the hydraulic flow in the circuit it is connected to: for example, it can be connected to polyp grab rotation circuit or to a hydraulic breaker line. Its versatility makes it compatible with most machineries, therefore it can be used on any excavator or loader on the building site, without the need to use a specific machine equipped with a magnetic system.

## Some application examples



### Hydraulic electromagnets (TH version) with fixed attack and teeth.

- Wide range for each model of excavator
- Mechanically structure reinforced
- Ideal for handling rubble



### ESA 92 S hydraulic electromagnet: ideal for truck cranes and industrial loaders.

- Low oil flow ( 18 l / min )
- Light weight ( 470 kg )
- Wide magnetic platter for optimum made lifting



### Electro hydraulic HE version.

- Ideal for all types of excavator
- Engagement with three-arm chain
- Nominal oil flow 70 l / min





**Electromagnets shall be classified in:**

**L/S type :**

Suitable for industrial loaders and truck-cranes - low nominal oil flow - hooking by chains.

**HE type :**

Suitable for any excavator - connection to a hydraulic line having not less than 70 l/min - hooking by chains.

**HEH type :**

Fixed hooking with orifice plate.

**TH type :**

Fixed hooking with orifice plate - reinforced structure able to withstand heavy mechanical stresses  
3+2 crushing teeth with replaceable tips.

Model Electromagnet	Technical features				Dimensioni (mm)				Recommended Machines	
	Power (Kw)	Weight Electromagnet (Kg)	Pressure (bar)	Nominal oil flow (l/min)	0	H1	H2	H3	Excavator (Ton)	Loader (Ton)
ESA 70 L	1,8	400	100	18	720	470	770	-	-	5 - 10
ESA 80 L	2	530	60	18	820	480	780	-	-	5 - 10
ESA 80 HE	3,2	670	80	30	820	480	780	-	5 - 10	-
ESA 80 HEH	3,2	820	80	30	820	600	-	825	7 - 10	-
ESA 80 TH	3,2	860	80	30	820	600	-	825	7 - 10	-
ESA 90 L	3,4	700	100	30	900	600	780	-	-	7 - 15
ESA 90 HEH	3,4	870	100	30	900	600	-	735	10 - 15	-
ESA 90 TH	3,4	910	100	30	900	600	-	735	10 - 15	-
ESA 92 S	1,8	470	60	18	920	500	680	-	-	5 - 10
ESA 95 HE	4,5	960	100	50	950	600	780	-	10 - 18	-
ESA 95 HEH	4,5	1200	100	50	950	600	-	-	10 - 18	-
ESA 95 TH	4,5	1300	100	50	950	600	-	-	10 - 18	-
ESA 100 L	5	1100	130	30	1050	620	1000	-	-	10 - 18
ESA 100 HE	5,5	1150	130	70	1050	620	1000	-	10 - 18	-
ESA 100 HEH	5,5	1610	130	70	1050	620	-	920	18 - 22	-
ESA 100 TH	5,5	1660	130	70	1050	620	-	920	18 - 22	-
ESA 110 L	6	1150	120	30	1130	620	1000	-	-	10 - 18
ESA 110 HE	6,5	1200	120	70	1130	620	1000	-	10 - 18	-
ESA 110 HEH	6,5	1660	120	70	1130	620	-	920	18 - 22	-
ESA 110 TH	6,5	1710	120	70	1130	620	-	920	18 - 22	-
ESA 114 L	3	1600	110	50	1140	635	1035	-	-	20 - 25
ESA 120 L	5,5	1300	110	30	1200	630	1030	-	-	10 - 18
ESA 125 HE	7,2	1650	150	70	1250	650	1150	-	20 - 30	-
ESA 125 HEH	7,2	2080	150	70	1250	650	-	920	22 - 35	-
ESA 125 TH	7,2	2300	150	70	1250	650	-	920	22 - 35	-
ESA 126 HE	9	1840	150	70	1260	600	1150	-	22 - 30	-
ESA 126 HEH	9	2270	150	70	1260	600	-	920	25 - 35	-
ESA 126 TH	9	2500	150	70	1260	600	-	920	25 - 35	-
ESA 150 HE	11	2700	200	70	1500	750	1450	-	28 - 40	-
ESA 150 HEH	11	3130	200	70	1500	750	-	1250	35 - 45	-
ESA 150 TH	11	3600	200	70	1500	750	-	1250	40 - 50	-

