

# Zato

Recycling Solutions



Demolition Shear

CAYMAN

# LIGHT POWERFUL FAST



[www.zatoshredder.com](http://www.zatoshredder.com)

## EXCELLENCE AS A STANDARD



## LIGHT, POWERFUL, FAST

The Cayman demolition shears manufactured by Zato are used in demolition and scrap recycling yards all over the world.

Market's knowledge and experience allowed Zato to develop a shear, designed with the most feature-rich advancements of any scrap shear or demolition shear on the market with very high performances and so an extraordinary level of efficiency and reliability.

The shear develops the maximum strength in the lightest possible weight, being manufactured with the best high quality steels that provide structural strength,

torsions resistance and wear durability. In this way both uptime and maintenance are reduced.

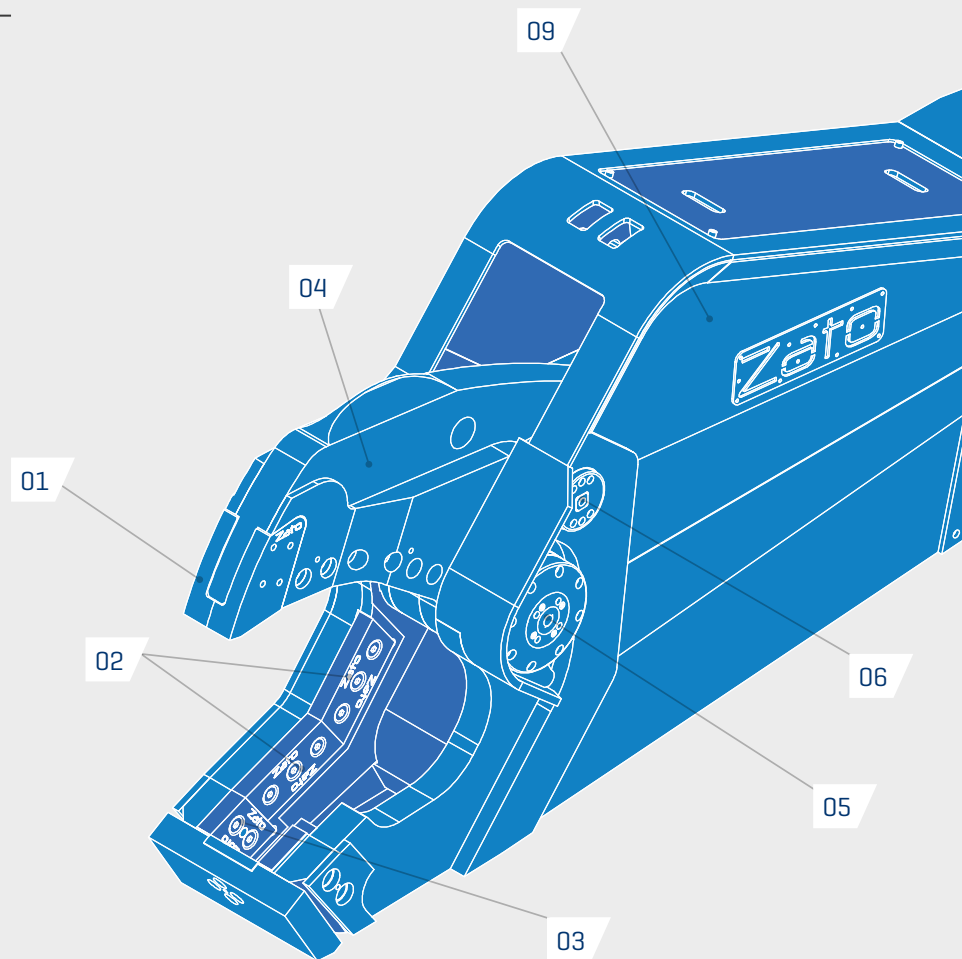
The specific geometry of each model of Cayman shear adds power to the forces developed by the large-bore, long-stroke cylinder, while cycle times are improved by the speed valve installed on all models. The range of models is very wide and goes from 600 kgs up to 16 tons.

Properly prepared, the shear can be used to process aluminum bundles and sheets, with extraordinary precision and high efficiency.



# CAYMAN FEATURES:

- 01 Bolt-on piercing tips replaced in minutes
- 02 Four way indexing razor blades, jaw blades and primary blades
- 03 Four way indexing guide blades
- 04 Jaw geometry which improves cutting force
- 05 Enclosed heavy-duty pivot that provides structural strength and long-term durability
- 06 Double adjustment slide puck for perfect alignment of the jaw
- 07 Regeneration valve
- 08 Protected cylinder which increases power at the apex, throat and piercing tip
- 09 Built with Hardox and Weldox steels to deliver structural strength and wear durability
- 10 Exceptional lightness in strong fully enclosed structure



## CAYMAN

		FCE6R	FCE10R	FCE20R	FCE30R	FCE40R	FCE40R S	FCE50R	FCE60R	FCE70R	FCE90R	FCE100R	FCE120R
Weight	kg	625	1.140	2.000	2.870	4.180	4.540	6.400	7.180	7.630	8.653	12.440	15.860
	lbs.	1.378	2.513	4.410	6.328	9.216	10.000	14.110	15.830	16.822	19.077	27.426	34.966
Max opening	mm.	320	405	581	626	707	730	820	888	908	1.085	1.172	1.036
	in.	12,6	16	23	25	28	29	33	35	36	43	47	40
Depth	mm.	282	353	515	520	675	670	872	683	958	1.049	1.110	973
	in.	11	14	20	20,4	26,5	26,3	35	26,8	38	42	44	38
Length	mm.	1.765	2.100	2.570	2.960	3.340	3.360	4.000	4.100	4.166	4.615	4.760	5.710
	in.	69	82	101	116	131	132	158	161	165	182	188	225
Cutting force at 350 bar at main pin	mt	220 bar 106	261	494	660	802	970	1.204	1.389	1.442	1.670	1.780	1.886
	USt	220 bar 117	288	545	728	885	1.070	1.328	1.532	1.590	1.841	1.960	2.078
Cutting force at 380 bar at main pin	mt	250 bar 120	283	536	716	870	1.052	1.308	1.509	1.565	1.812	1.932	2.050
	USt	250 bar 132	312	591	789	959	1.160	1.442	1.663	1.725	1.997	2.130	2.260
Minimum excavator weight Stick Mounted	Tonn.	4	7	12	19	24	26	35	42	45	50	72	97
	USt	5	8	14	21	27	29	39	47	50	56	80	107
Minimum excavator weight Boom Mounted	Tonn.	6	12	19	28	40	42	60	70	76	86	120	160
	USt	7	14	21	31	45	47	67	78	84	95	133	177

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Technical specification can be modified without any prior notice and without incurring in any obligation.

- All Cayman shears are covered by an 12-month warranty.
- All models can be supplied without hydraulic rotation.
- The cutting force of the FCE6R model is 250 bar at the central pin.
- The data in the chart does not include the adaptation saddle.
- All data regarding excavator weight are approximate. Always refer to the loading diagrams of the excavators.
- All the models are available with the option for demolition in deep sea water

Zato





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## CAYMAN



RECYCLING



DEMOLITION



METAL  
RECYCLING



STEEL  
MILLS



INDUSTRIAL  
DEMOLITION



AUTO  
RECYCLING



ALUMINIUM  
FOUNDRIES



NUCLEAR  
PLANTS



SHIP  
DEMOLITION

