

Zato
Recycling Solutions

Since 1919

GENSCO



CAYMAN

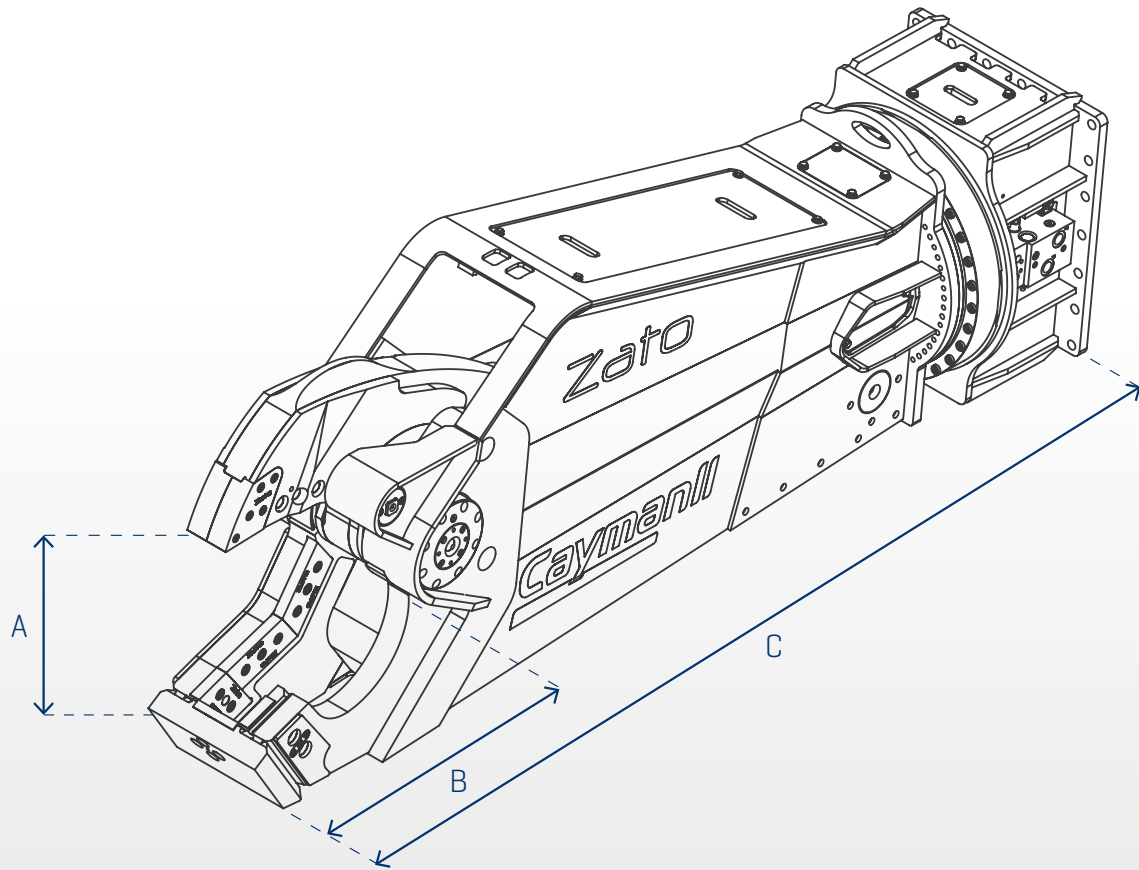
DEMOLITION SHEAR

Zato

Cayman II
FACEBOR

US

www.zatoshredder.com



TECHNICAL DATA		FCE06RII	FCE10RII	FCE20RII	FCE30RII	FCE40RII	FCE50RII	FCE70RII	FCE90RII
Weight	lbs	1433	2425	4630	6393	9370	12787	15983	20944
	kg	650	1100	2100	2900	4250	5800	7250	9500
C - Reach	Inch	65	75	103	116	133	150	162	176
	mm	1663	1920	2610	2960	3390	3825	4110	4485
A - Jaw opening	Inch	15	17	23	25	29	31	35	38
	mm	370	430	585	625	735	780	890	970
B - Jaw depth	Inch	13	16	23	23	30	32	38	39
	mm	334	410	585	595	750	820	960	997
Throat force at 380 bar 5511 psi	Ust	149	243	496	628	1069	1190	1367	1676
	t	135	220	450	570	970	1080	1240	1520
Apex force at 380 bar	Ust	77	121	209	298	441	507	573	716
	t	70	110	190	270	400	460	520	650
Tip force at 380 bar	Ust	39	66	99	149	220	265	303	364
	t	35	60	90	135	200	240	275	330
Excavator weight 2nd member/ boom mounting	Ust	4 -7	8 -11	15-20	22-31	31-43	43-51	50-66	66-88
	t	4-6	7-10	14-18	20-28	28-39	39-46	45-60	60-80
Excavator weight 3rd member/stick mounting	Ust	7-10	11-13	20-30	31-43	43-55	56-62	77-99	100-121
	t	6-9	10-12	18-27	28-39	39-50	51-56	70-90	91-110
Cylinder recommended pressure	Psi	3625-4351	5076-5511	5076-5511	5076-5511	5076-5511	5076-5511	5076-5511	5076-5511
	bar	250 -300	350-380	350-380	350-380	350-380	350-380	350-380	350-380
Cylinder recommended flow	gl\min	34-40	40-48	40-48	53-66	66-80	92-106	119-133	172-185
	l\min	130-150	150 -180	150 -180	200-250	250-300	350-400	450-500	650-700
Rotation recommended pressure	Psi	1450-1595	1450-1595	1450-1595	1450-1595	1450-1595	1450-1595	1740-2030	2030-2320
	bar	100-110	100-110	100-110	100-110	100-110	100-110	120-140	140-160
Rotation recommended flow	gl\min	4	4	7	7	7	12	13	16
	l\min	15	15	28	28	28	45	50	60

MAIN FEATURES

1 - COMPACT FRAME	7 - ROTATION UNIT
<p>The frame is solid and durable, the cylinder is completely enclosed, ensuring complete protection against excessive banging and accidental damage. The main body and mobile jaw are completely reinforced, made from the highest resistance steel [700MPa], with anti-wear steel sections [400HBW] to cope with a range of stress and torsion.</p>	<p>The optional 360° rotation is driven by a hydraulic motor equipped with an anti-cavitation valve to protect the rotation motor and gear in case of shear torsion.</p>
2 - LARGE INSPECTION PANELS	8 - CUTTING JAW
<p>Easy access to the main components in all maintenance areas.</p>	<p>Large and optimised mobile jaw apex for excellent cutting operation and shear capacity.</p>
3 - CYLINDER	9 - BLADES
<p>Robust and oversized with a very high bore to achieve exceptional cutting forces.</p>	<p>The blades have threaded holes and can be removed quickly even when the jaw is locked or jammed.</p>
4 - CENTRAL PIN	10 - MOVING JAW GUIDING SYSTEM
<p>Solid, robust and super-resistant to thrusts. The protection angles are very compact and allow for maximum visibility during operation. Assembly and insertion is carried out with a nitrogen process to meet a perfect tolerance when inserted into the housing hole. Maximum reliability, resistance and the lowest machine downtime are obtained.</p>	<p>Zato's unique guide system overhangs the moving jaw, increasing the stability of the tip blades during cutting, ensuring optimal position and less wear on the blades. The result is a perfect alignment of the moving jaw with the frame.</p>
5 - BALL JOINT	11 - FULLY PROTECTED CUTTING TIP
<p>Assembled on the jaw connection, corrects pin alignment in any situation, even when the jaw is forced to twist.</p>	<p>Bolt-on piercing tips encapsulate the entire shear nose, minimizing damage and wear. Manufactured with a special internal blade seat to discharge heat and cutting stress.</p>
6 - REGENERATION VALVE	
<p>Standard on all models, increase cutting and cycle speed.</p>	



Technical data may be subject to change without prior notice and without any liability whatsoever by ZATO SRL.
 All Cayman series shears are covered by a 12-month warranty.
 All models can be supplied without hydraulic rotation
 All models are available with the option for demolition in deep sea water.
 The data in the chart does not include the adaptation connection plate.
 All data regarding excavator weight are approximate. Always refer to the loading diagrams on the excavators.

CAYMAN

DEMOLITION SHEAR

The Cayman demolition and recycling shear manufactured by Zato are used **in demolition and scrap recycling** yards all over the world. With over 30 years of experience, Zato shears ensure **high performance** and an extraordinary level of **efficiency and reliability**.

The wide range offer and sizes offer models from 600kg (1320 lbs) up to 16 tons cover any application and processing requirements.

The Zato **Cayman demolition shear develops** maximum cutting strength with the **lightest possible attachment weight**, manufactured with the highest quality steel. All shears provide structural strength, torsion resistance and wear durability, allowing for **reduced maintenance and high production**. The specific geometry of each Cayman shear adds power to the forces developed by a large-bore, long-stroke cylinder, while cycle times are improved by the regenerative speed valve installed on all models.

Specific models can be designed to **process aluminum bundles, sheets and rail** with extraordinary precision and high efficiency.

APPLICATIONS

Scrap metal processing

Industrial demolition

Civil and naval demolition

Rail demolition

Beam demolition

Run-flat demolition



Zato

Recycling Solutions

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