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Zato®

Recycling Solutions

CAYMAN

Demolition shears



zatoshredder.com



Demolition shears



Hydraulic shears are an essential tool for the demolition, waste and metal recycling sectors.

The Cayman range of shears is the ideal choice to meet all the needs of scrap metal recycling yards, featuring state-of-the-art technical solutions, innovative cutting geometries and an over engineered steel structure.



The 360° hydraulic continuous rotator ensures that the shears is always in the optimal cutting position. Furthermore, the design of the jaws, the fast opening and closing cycle and the high cutting power guarantee speed and efficiency in all demolition and recycling operations. Important features which are appreciated by operators worldwide.



APPLICATIONS

- 01 Light and heavy scrap metal processing
- 02 Industrial and civil demolition
- 03 Ship or special plant demolition
- 04 I - Beam processing
- 05 Scrap car (ELV) recycling

TECHNICAL DATA SHEET		06R	10R	20R	30R	40R	50R	70R	90R
Weight	Kg	650	1100	2100	3000	4450	5800	7800	9500
Length	mm	1663	1920	2610	2960	3390	3825	4110	4485
Opening	mm	370	430	585	625	735	780	890	970
Depth	mm	334	410	585	595	750	820	960	997
Boom mounted excavator weight	t	4-6	7-10	14-18	20-28	24-35	34-50	40-60	60-80
Bucket mounted excavator weight	t	6-9	10-12	18-27	28-39	39-50	51-65	70-90	91-110
Shearing pressure	bar	250-300	350-380	350-380	350-380	350-380	350-380	350-380	350-380
Shearing capacity	l/min	130-150	150-180	150-180	200-250	250-300	350-400	450-500	650-700
Rotation pressure	bar	100-110	100-110	100-110	100-110	100-110	100-110	120-140	140-160
Rotation recommended flow	l/min	15	15	28	28	28	45	50	60

10 points which redefine efficiency

Scrap recycling is **even more sustainable**

RELIABILITY AND PRECISION

The perfect geometry and shape of the jaws combined with the superior choice of materials used to construct them ensure precise, clean cuts.

01

COMBATING CLIMATE CHANGE

Recycling metals avoids the landfilling of 100% reusable resources.

An ecological and cost-effective choice, in accordance with the principles of the circular economy and responsible use of raw materials.

RESPONSIBLE CONSUMPTION AND PRODUCTION

Recycling steel reduces CO₂ emissions by 80% compared to production from ore. Steel is in fact a "permanent material", thanks to the processes of the entire recycling chain.

ROBUST, TORSION-RESISTANT FRAME

The frame protects the cylinder and other vulnerable components from accidental shocks and blows. The body of the shear is reinforced with high-strength, wear resistant steel (Strenx® and Hardox®) which is also used to manufacture the mobile and stationary jaws.

02

100% MADE IN ITALY QUALITY

Cayman shears are manufactured in Italy and integrate state-of-the-art technology with advanced engineering solutions. Each machine must pass thorough multi point functional tests before delivery to the customer.

05

COMPONENTS

Each hydraulic and mechanical component must meet our high safety standards and is carefully chosen for its durability and performance.

07

LARGE RANGE OF SHEARS AND SPARE PARTS IN STOCK

Zato's policy of always keeping a large stock of shears and spare parts, even for older models, ensures a continuous and rapid supply service of parts, which directly benefits our customers.

09

CYLINDER POWER

The main cylinder is designed with an oversized bore to achieve exceptional cutting forces with the optimal power to weight ratio. The quality of the materials used in its manufacture ensures a high degree of torsional rigidity and excellent wear resistance.

03

CUTTING BLADE

The cutting blades are interchangeable and reversible. All 4 cutting edges can be used before replacement is required, ensuring maximum productivity and low consumable costs.

04

HIGH MATERIAL VALORISATION

Cayman shears downsize and densify bulky and oversized material reducing transport costs and creating value.

06

MINIMISED MAINTENANCE COSTS, LESS DOWNTIME

Large inspection panels provide easy access to all major components, reducing servicing times and costs while increasing safety.

08

EXPERIENCE AND REFERENCES

Zato's many years of shear manufacturing experience, combined with frequent feedback from our hundreds of customers from around the world, has brought the Cayman shear to a level of performance and quality that is admired by all in the industry.

10

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Zato®

Zato s.r.l. Via Campi Grandi, 23
25080 Prevalle (BS) - Italy

Tel. +39 030 6461800
e-mail info@zato.it

