



Cat[®] Scrap and Demolition Shears

*S3015, S3025, S3035, S2050/S3050,
S2070/S3070, S2090/S3090*

Cat[®] scrap and demolition shears are designed to make you money. An innovative, robust design with fast cycle times provides the production and reliability you need to be profitable. Cat shears can handle everything from structural steel to mixed scrap. Cat shears are designed to get the job done.

Not all attachments are available in all regions. Consult your Cat dealer for specific configurations available in your region.

Cut More, Cut Faster

- Shears are designed as a system solution to cut more tons per day and make you more money.
- Dual apex jaw increases cut efficiency by 15 percent.
- Accurately place the jaws in optimum cutting position using the standard 360° rotator on the S3000 Series.
- Power is consistent through the entire cutting cycle.
- Increase cutting efficiency with tapered spacer plates which reduce jamming and drag.
- The cylinder rod is completely protected inside the frame reducing downtime and the risk of damage.
- The jaw relief area allows material to fall away freely without hindering the next cutting cycle.

Long-Lasting Quality

- Reduce maintenance costs with the new Bolt-on Piercing Tip. Dowels and bushings divert stress, keeping the tip tight and in one piece.
- Work confidently. Major hydraulic components are built with a 4 to 1 safety factor and can withstand pressure spikes up to 1378 bar (20000 psi).
- Increase overall durability with the solid plate construction of the upper jaw.
- The housing is designed with a 60 percent safety factor in yield strength.

Easy to Maintain

- Easily and safely complete maintenance tasks. Shears can be greased at ground level along with the machine stick cylinder pin and boom pin.
- Reduce downtime with field serviceable swivels. Removing and resealing can be done easily while the shear is mounted to the machine.

- Service and adjust the pivot group without the need for any special tools.
- Easily change the tip and flip the blades in thirty minutes with standard tools.
- Access the cylinder's hoses and speed valve easily from the side of the shear.
- You are supported. The Cat Dealer Network is your one point of contact for all your service needs.

Options to Meet Your Needs

- Connecting your shear has never been easier. Dual high-pressure ports attach to any compatible machine regardless of the hydraulic layout.
- Meet your specific needs with straight and rotating configurations and boom and stick mount options.
 - Straight – S2000 Series
 - Boom mounted
 - Used in secondary demolition and scrap applications
 - Rotator is eliminated, reducing maintenance costs
 - Larger shears can be used on smaller machine size classes
 - Rotating – S3000 Series
 - Boom or Stick mounted
 - Used in scrap, primary, and secondary demolition applications
 - Provides optimal cycle times and positioning
- Boom Mounted – Ideal for scrap processing, allows use of a larger shear for increased production.
- Stick Mounted – Ideal for demolition applications, maximizes reach for structural demolition.



Cat® Scrap and Demolition Shears

Specifications																			
Model	Mount Type	Operating Weight ¹		Recommended Carrier Weight		Length		Height		Width		Jaw Width – Fixed		Jaw Width – Moving		Jaw Opening		Jaw Depth	
		kg	lb	Min. tons	Max. tons	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
S3015	Boom	1511	3331	7	10	2645*	105*	920	36.2	640	25.2	304	12	100	3.9	400	15.7	380	15
S3015	Stick	1467	3234	12	18	2645*	105*	920	36.2	640	25.2	304	12	100	3.9	400	15.7	380	15
S3025	Boom	2436	5370	11	15	3030*	126*	1220	48	750	29.5	374	14.7	111.5	4.4	458	18	415	16.3
S3025	Stick	2321	5117	20	25	3030*	126*	1220	48	750	29.5	374	14.7	111.5	4.4	458	18	415	16.3
S3035	Boom	3426	7553	16	20	3420*	137*	1260	49.6	750	29.5	444	17.5	122	4.8	560	22	540	21.3
S3035	Stick	3201	7057	24	36	3420*	137*	1260	49.6	750	29.5	444	17.5	122	4.8	560	22	540	21.3
S2050	Boom	4175	9204	18	29	3555	140	1520	60	635	25	476	19	135	5	681	27	635	25
S3050	Boom	5080	11199	24	40	4475	176	1480	58	1060	42	476	19	135	5	681	27	635	25
S3050	Stick	4830	10648	42	60	3820	150	1480	58	1060	42	476	19	135	5	681	27	635	25
S2070	Boom	5815	12820	24	40	3875	153	1770	70	720	28	546	21	158	6	819	32	755	30
S3070	Boom	7065	15575	30	54	4890	193	1685	66	1160	46	546	21	158	6	819	32	755	30
S3070	Stick	6920	15256	70	92	4215	166	1685	66	1160	46	546	21	158	6	819	32	755	30
S2090	Boom	7480	16490	30	54	4325	170	1890	74	760	30	602	24	168	7	910	36	900	35
S3090	Boom	9020	19885	30	54	5370	211	1810	71	1300	51	602	24	168	7	910	36	900	35
S3090	Stick	8760	19312	90	110	4670	184	1810	71	1300	51	602	24	168	7	910	36	900	35

Specifications																		
Model	Mount Type	Throat Force ²		Apex Force		Tip Force		Cycle Time		Cutting Circuit – Maximum Relief Pressure		Cutting Circuit – Maximum Flow		Rotation Circuit – Maximum Relief Pressure		Rotation Circuit – Maximum Flow		
		kN	lbf	kN	lbf	kN	lbf	Open	Close	kPa	psi	L/min	gpm	kPa	psi	L/min	gpm	
S3015	Boom	2425	273	1155	130	618	69	2.9	2	35000	5075	125	33	14000	2030	40	11	
S3015	Stick	2425	273	1155	130	618	69	2.9	2	35000	5075	125	33	14000	2030	40	11	
S3025	Boom	3920	441	1787	201	980	110	3.5	2.6	35000	5075	175	46	14000	2030	40	11	
S3025	Stick	3920	441	1787	201	980	110	3.5	2.6	35000	5075	175	46	14000	2030	40	11	
S3035	Boom	5809	653	2509	282	1328	149	4.2	3.1	35000	5075	250	66	14000	2030	40	11	
S3035	Stick	5809	653	2509	282	1328	149	4.2	3.1	35000	5075	250	66	14000	2030	40	11	
S2050	Boom	6592	741	3029	340	1667	187	4.0	3.3	35000	5075	350	92	—	—	—	—	
S3050	Boom	6592	741	3029	340	1667	187	4.0	3.3	35000	5075	350	92	14000	2030	40	11	
S3050	Stick	6592	741	3029	340	1667	187	4.0	3.3	35000	5075	350	92	14000	2030	40	11	
S2070	Boom	9037	1016	3880	436	2110	237	4.3	3.4	35000	5075	530	140	—	—	—	—	
S3070	Boom	9037	1016	3880	436	2110	237	4.3	3.4	35000	5075	530	140	14000	2030	80	21	
S3070	Stick	9037	1016	3880	436	2110	237	4.3	3.4	35000	5075	530	140	14000	2030	80	21	
S2090	Boom	11746	1320	4754	534	2513	282	4.5	3.4	35000	5075	700	185	—	—	—	—	
S3090	Boom	11746	1320	4754	534	2513	282	4.5	3.4	35000	5075	700	185	14000	2030	80	21	
S3090	Stick	11746	1320	4754	534	2513	282	4.5	3.4	35000	5075	700	185	14000	2030	80	21	

*With stick mount bracket installed.

Note: Forces calculated with a maximum operating pressure of 35 Mpa (5075 psi).

¹ Weight includes mounting bracket.

² Measured at innermost cutting point of the jaw.

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com

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