EXI "Mantis" Bucket



Twin cylinders - Heavy duty hydraulic cylinders. Independent auto synchronizing function, allows conformance to odd shaped loads without twisting and bending.

Pivot group - Thru hardened alloy pins and heavy wall bushings used throughout.

Tapered Tines - QT100. Profiled and contoured with serrations for superior grip and control. Handles logs, brush poles and culverts of all types.

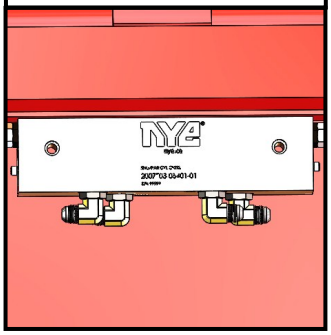
Superior Geometry - Classic Nye dual-radius tapered bucket profile. No compromise in digging, fill and dump performance.

Replaceable tips - Tine tips are welded AR400. Contoured to penetrate, separate and hold loads securely.

Features & Benefits

- Rugged hydraulic cylinders, no cuckoo clock gears to smash or complex seals to blow.
- Individual tines bypass the stick for uninterrupted digging. Ridged multi-tine option available.
- Wide range of motion. Tines fold over center and park when not in use.
- Independent motion, tines grip odd shaped loads securely.

Load Control Valve



Heavy-duty cylinders



Parked Position



EXI Series Typical Specifications

Carrier	Model	Width mm [in]	Weight kg [lb]
16 - 24 t	EXI200	914 [36]	1,361 [3,000]
22 - 28 t	EXI250	1,067 [42]	1,565 [3,450]
26 - 38 t	EXI350	1,448 [57]	1,769 [3,900]
35 - 50 t	EXI450	1,473 [58]	2,744 [6,050]
48 - 60 t	EXI600	1,524 [60]	4,241 [9,350]
60t - 90t	EXI750	1, 829 [72]	4,785 [10,550]

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All Nye products are warranted to be free of defects in materials and workmanship for a period of 2 years or 2,000 hours.
Specifications subject to change.

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Nye EXI Mantis Bucket:

Nye invented the independent tine grapple bucket over 30 years ago. Our latest EXI series "Mantis" buckets feature twin self-synchronized hydraulic cylinders with tines that fold up and park over-center when not in use. The independent tines by-pass either side of the stick so you get maximum range of motion for uninterrupted digging. Ridged multi-tine versions are available for applications requiring more than two tines.

The easy to service hydraulic cylinders are protected by an integrated Load Control valve which provides load holding and relieving, synchronization, speed control and hose management functions. The cylinders are protected, which means damage due to overload and drift due to leakage is virtually eliminated. Servicing is simple and there are no complex sliding rotary seals or internal splines or gears to grind and smash.

Independent tines conform to odd shaped loads for a secure grip. The tines are tapered and fully boxed QT100 steel for maximum strength and durability. Serrations in the tines provide the right balance of grip without damaging plastic culverts and materials used in road building.

The over-center function gives the tines 180 degrees of rotation without the need for linkages or complex "cuckoo-clock" rotary actuators. With gravity assist, the tines fold-up over the top of the bucket to allow full, uncompromised digging functionality. The bucket profile is not altered by the tines or any bulky actuator mechanism, so you get the best digging bucket with a fully tapered body, dual basket radii and proper wear plates just like a regular bucket.

For more information:
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Nye is a proud family owned Canadian business; going strong for over 75 years

Put our expertise to work for you!

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