

A-Series Multi Purpose Grabs for **NOX** Tiltrotators 3 - 12t

Especially adapted to the **NOX** Tiltrotators there are different attachments available. The Multi Purpose Grabs with hydraulic cylinder or low maintenance **HPXdrive** are ideally adjusted to the **NOX** Tiltrotators for excavators with 3t up to 12t operating weight.

- ▶ **HPXdrive** – the revolutionary concept for hydraulically operated grabs! The rotation of the arms of the grab is generated by two hollow shafts, which run opposed and have a helix thread, hydraulically driven by a single piston. **No hydraulic cylinder required.**
- ▶ **HPXdrive** – **50% longer life cycle.** The drive unit runs in a permanent oil bath – no lubrication necessary. Resistant against dirt and blows, due to the compact design.
- ▶ **The sophisticated ergonomics and the new improved shell design** enables loading, sorting, digging and demolition operations with maximum efficiency.
- ▶ **HPXdrive** – different applications possible through **easy exchange system.**
- ▶ **Different adapters** available.
- ▶ HPX-grabs: **warranty extension without surcharge possible: kinshofer.com/service**



Multi Purpose Grabs with **HPXdrive** or hydraulic cylinder

Type	for NOX	Width E (mm)	Opening A (mm)	Volume (liter)	Load capacity form locking (kg)	Closing force* (kN)	Operating weight (t)
A05TR-40 HPX	TR06 NOX/ TR07NOX	400	1043	75	1500	18	3 - 6
A07TR-45 HPX	TR06 NOX/ TR07NOX	450	1344	145	2000	18	5 - 8
A11TR-50 HPX	TR11NOX	500	1550	210	2500	15,3	7 - 12
A05TR-40	TR06 NOX/ TR07NOX	400	1233	60	1500	21,5	3 - 6
A07TR-45	TR06 NOX/ TR07NOX	450	1340	90	2000	21	5 - 8
A11TR-50	TR11NOX	500	1650	165	2500	24	7 - 12

* HPX: at 26 MPa (260 bar) / A05TR to A11TR: at 25 MPa (250 bar)

Package consists of: multi purpose grab, (hydraulic block incl. hosing for HPX-grabs)

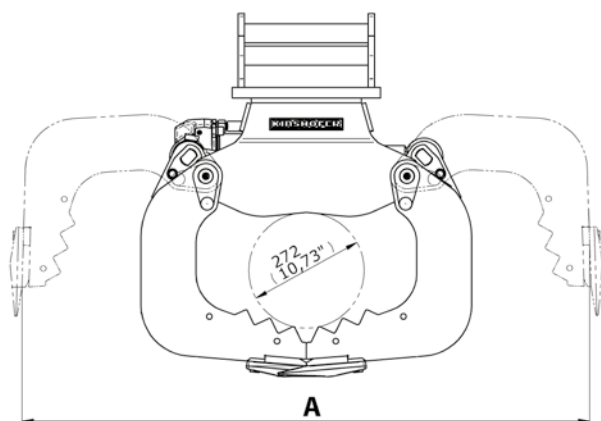
Note: adapters of different manufacturers on pages 68/69

Requirements of carrier machine

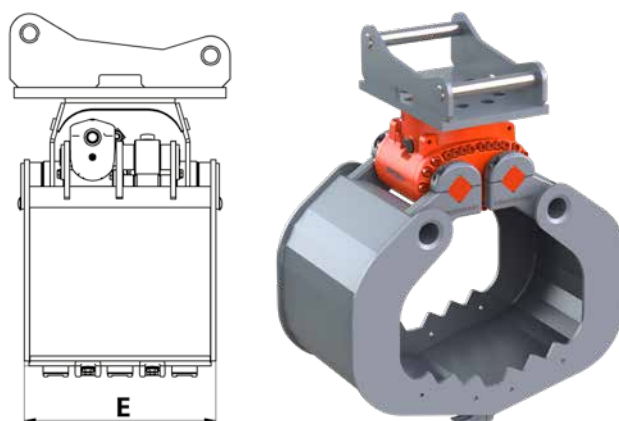
Type	A05TR HPX / A05TR / A07TR	A07TR HPX / A11TR HPX / A11TR
Operating pressure:	max. 25 MPa (250 bar)	max. 32 MPa (320 bar)
Pump capacity:	25 - 60 l/min	25 - 60 l/min

Technical drawing

A07TR-S45



A11TR HPX-S45



Especially adapted to the **NOX** Tiltrotators there are different attachments available. The Multi Purpose Grab with hydraulic cylinder is ideally adjusted to the **NOX** Tiltrotators for excavators with 11t up to 19t operating weight.

- ▶ **The sophisticated ergonomics and the new improved shell design** enables loading, sorting, digging and demolition operations with maximum efficiency.
- ▶ Also for **demolition works**.
- ▶ **Different adapters available**.
- ▶ **Durability** due to the use of cutting edge material 500 HB.



Multi Purpose Grab

Type	for NOX	Width (mm)	Opening (mm)	Volume (liter)	Load capacity form locking (kg)	Closing force* (kN)
A18TR-60	TR19NOX	600	1890	260	3000	30

* at 32 MPa (320 bar)

Package consists of: multi purpose grab

Note: adapters of different manufacturers on pages 72/73

Requirements of carrier machine

Operating pressure: max. 32 MPa (320 bar)
Pump capacity: 50 - 100 l/min

Pictures

A18TR-S60



A18TR-KSW10



Especially adapted to the **NOX** Tiltrotators there are different attachments available. The Demolition and Sorting Grabs with hydraulic cylinder or low maintenance **HPXdrive** are ideally adjusted to the **NOX** Tiltrotators for excavators with 3t up to 12t operating weight.

- ▶ **HPXdrive** – the revolutionary concept for hydraulically operated grabs! The rotation of the arms of the grab is generated by two hollow shafts, which run opposed and have a helix thread, hydraulically driven by a single piston. **No hydraulic cylinder required.**
- ▶ **HPXdrive** – **50% longer life cycle.** The drive unit runs in a permanent oil bath – no lubrication necessary. Resistant against dirt and blows, due to the compact design.
- ▶ Shells with perforated shells and **exchangeable cutting edges.**
- ▶ **HPXdrive** – different applications possible through **easy exchange system.**
- ▶ **Different adapters** available.
- ▶ HPX-grabs: **warranty extension without surcharge possible: kinshofer.com/service**



Demolition and Sorting Grabs with **HPXdrive** or hydraulic cylinder

Type	for NOX	Width E (mm)	Opening A (mm)	Volume (liter)	Load capacity form locking (kg)	Closing force* (kN)	Operating weight (t)
D05TR-40 HPX	TR06NOX / TR07NOX	400	1045	75	1500	18	3 - 6
D07TR-45 HPX	TR06NOX / TR07NOX	450	1350	150	2000	18	5 - 8
D11TR-50 HPX	TR11NOX	500	1550	220	2500	15,3	7 - 12
D05TR-40	TR06NOX / TR07NOX	400	1212	60	1500	21,5	3 - 6
D07TR-45	TR06NOX / TR07NOX	450	1345	90	2000	21	5 - 8
D11TR-50	TR11NOX	500	1665	165	2500	24	7 - 12

* HPX: at 26 MPa (260 bar) / D05TR to D11TR: at 25 MPa (250 bar)

Package consists of: demolition and sorting grab, (hydraulic block incl. hosing for HPX-grabs)

Note: adapters of different manufacturers on pages 68/69

Requirements of carrier machine

Type	D05TR HPX / D05TR / D07TR	D07TR HPX / D11TR HPX / D11TR
Operating pressure:	max. 25 MPa (250 bar)	max. 32 MPa (320 bar)
Pump capacity:	25 - 60 l/min	25 - 60 l/min

Technical drawing

D11TR-KSW08



D11TR HPX-S60



Especially adapted to the **NOX** Tiltrotators there are different attachments available. The Demolition and Sorting Grabs with hydraulic cylinder are ideally adjusted to the **NOX** Tiltrotators for excavators with up to 25t operating weight.

- ▶ **Different adapters available.**
- ▶ **High closing force** thanks to two horizontal hydraulic cylinders, completely protected by the carrier.
- ▶ The **end positions** (grab open) are **hydraulically cushioned**, to protect the cylinder when gripping the material.
- ▶ Shells with perforated shells and **exchangeable cutting edges**. **Durable, exchangeable and turnable cutting edges** (HB 500).



TR19NOX-S60 with D18TR

Demolition and Sorting Grabs

Type	for NOX	Width E (mm)	Opening A (mm)	Volume (liter)	Load capacity form locking (kg)	Closing force* (kN)	Operating weight (t)
D18TR-60	TR19NOX	600	1555	225	3000	36	11 - 19
D25TR-84	TR25NOX	840	1890	380	5000	42	18 - 25

* at 32 MPa (320 bar)

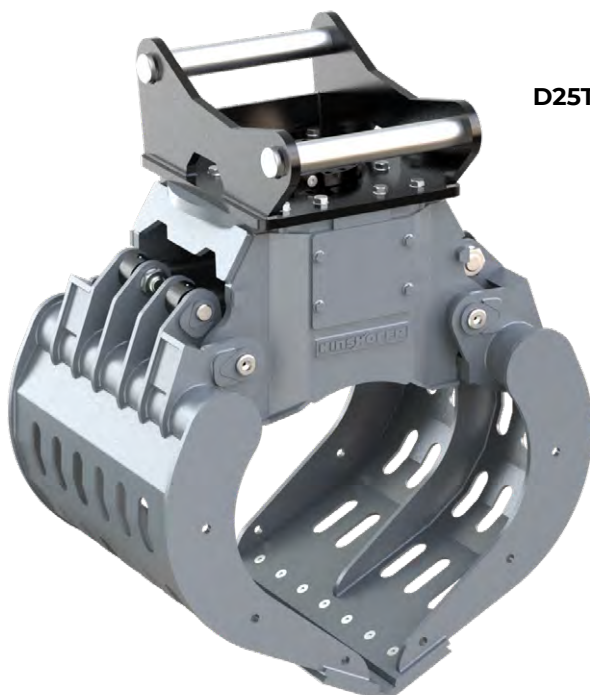
Package consists of: demolition and sorting grab

Note: adapters of different manufacturers on pages 72/73

Requirements of carrier machine

Operating pressure: max. 32 MPa (320 bar)
Pump capacity: 50 - 100 l/min

Picture



D25TR-S70