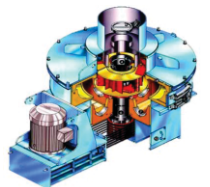


VSI CRUSHERS

ROTORS

SPARE PARTS



TECHROQ Pty Ltd
AUSTRALIA

"T" - SERIES VSI CRUSHER

"T" Series VSI Crushers

2002 saw the culmination of many research and development hours with the successful launch of the "T" Series VSI Crusher.

The Techroq "T" Series range of crushers are operating in aggregate and mineral processing installations around the world, with an established track record of durability, ruggedness, high performance ratio's and proven cost saving, in various applications.



The "T" Series of VSI crusher are currently in operation in the following countries,

Africa

Angola
Botswana
South Africa
Sudan
Zambia

Asia

Afganistan
China
India
Taiwan
Turkmenistan

Europe

France
Italy
Spain

South America

Brazil

The range starts with the T5R with a minimum feed of 10 tons per hour and goes up to the T9R Dual Drive machine with a head feed of 450 tons per hour. It has proven cost savings in various applications.

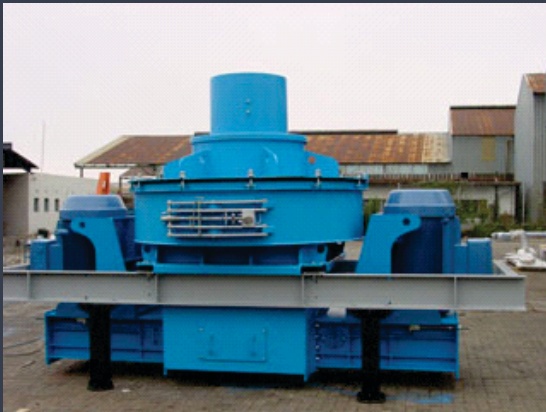
“T” - SERIES VSI CRUSHER

The **T6R** is ideally suited for small to medium quarries with a capacity range from 30 tons per hour to 100 tons per hour.

T6R



T7R



The **T7R** is the most versatile machine in the range as its feed can be as low as 50 tons per hour up to 250 tons per hour.

T8R



The **T8R** is the second biggest in the range. Both the **T8R** and **T9R** have **MKIII** bearing cartridges. Both machines have a starting capacity of 80 tons per hour and a maximum capacity of 450 tons per hour.

T9R



The **T9R** is the largest machine in the range. It is fitted with a **MKIII** bearing cartridge. Starting capacity of 80 tons per hour and a maximum capacity of 450 tons per hour.

“T” - SERIES VSI CRUSHER

Throughput capacity - metric tonnes per hour			
Installed Power	370kW [500hp]	440kW [600hp]	500kW [700hp]
Drive Configuration	Dual	Dual	Dual
Fine Crushing - Maximise Fines	260 - 420	310 - 500	360 - 580
Fine Crushing - Moist and Sticky Feed	260 - 420	310 - 500	360 - 580
General Crushing / Manufactured Sand	330 - 620	410 - 770	480 - 900
Shaping	380 - 710	510 - 960	530 - 1000
Dry Scrubbing	430 - 1070	510 - 1280	530 - 1330
Disagglomeration	430 - 1070	510 - 1280	530 - 1330
Preferential Crushing	430 - 640	510 - 770	530 - 800

Machine Size				
	T6R	T7R	T8R SD	T8R DD
Height above support frame, mm (inch)	1651 (65)	1824 (71.81)	1824 (71.81)	1824 (71.81)
Total height, mm (inch)	2481 (97.68)	2909 (114.53)	2909 (114.53)	2909 (114.53)
Outlet opening, mm (inch)	482 (18.98)	830 (32.68)	830 (32.68)	830 (32.68)
Weight, kg (lb)	4983 (10986)	7773 (17137)	8023 (17688)	10263 (22626)
Maximum feed size, mm (inch)	37 (1 1/2)	50 (2)	57 (2 1/4)	57 (2 1/4)
Capacity t/h throughput	38 - 83	75 - 150	130 - 210	170 - 310
Rotor, rpm	1500 - 2200	1500 - 2000	1400 - 1800	1400 - 1800
Motor alternatives	75 110	132 185	220	2 x 110 2 x 132 2 x 160

"T" - SERIES MOBILE CRUSHERS

Specially Designed to meet your requirements.



Simplicity

- There is no PLC on the machine. An electrician / auto electrician can make repairs.
- No skilled computer technician is required.
- The unit is very Robust.
- The machine has a very simple hydraulic system.

"T" - SERIES MOBILE CRUSHERS

Road Legal

- No low bed or permits generally needed. (Territory dependant)

High Capacity

- The unit has a capacity of 200 tons per hour head feed.

Low Operating Costs

- Cost efficient rotor and wear parts.
- Select between 3,4 or 5 port rotors to suit customer specifications.
- Efficient diesel Engine.

Excellent Product Shape

- The crusher can produce an excellent product shape.



The mobile unit is available as either a

- Diesel Electric unit - Wheeled.
- Diesel Hydraulic Unit - Wheeled.
- Both versions can be optionally fitted with track units.

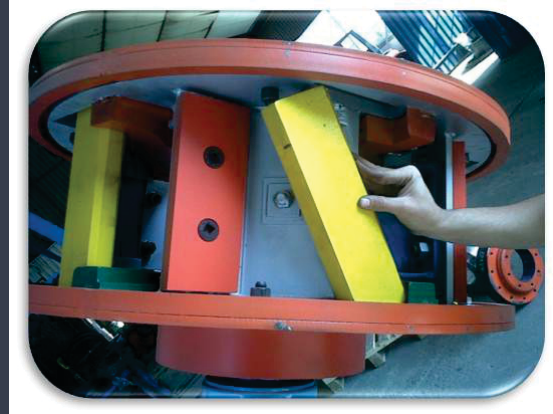
TECHROQ INNOVATION - THE QUICK RELEASE TIP

New rotors can be fitted with the new QUICK RELEASE TIP, a innovation from TECHROQ. This new tip set arrangement allows the changing of rotor tip sets faster and in a more ergonomic way that gets your VSI back into operation with minimal down time.

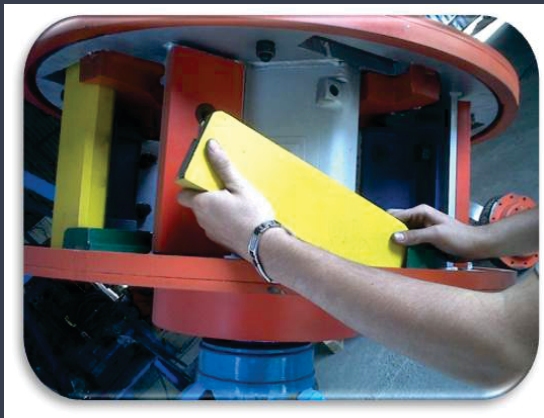
Step 1



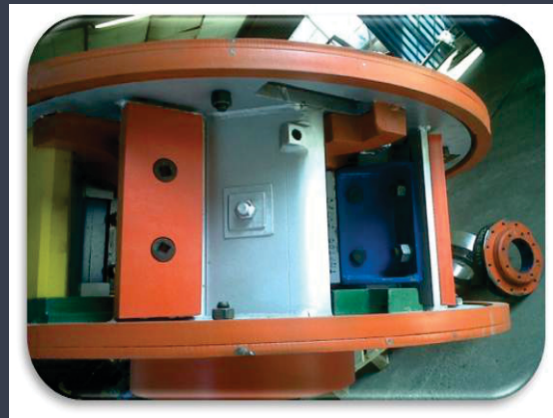
Step 2



Step 3



Step 4



Coming soon is the quick change distributor Cone / Plate. This new innovation will allow the distributor Cone / Plate to be changed via the inspection hatch without having to remove any other crusher parts.



Techroq has its own foundry dedicated to the production of wear parts. This ensures that you receive consistently high quality components both in wear properties as well as fit.

Techroq has its own Modern CNC machine shop that ensures high quality tooling for all our parts produced. All parts are produced in-house and have to meet stringent quality standards.



Our Rotor fabrication line is world class and the high capacity of this line ensures that spare rotors are always available. It forms part of our integral Rotor exchange program.



SPARE PARTS



Rotors and Parts

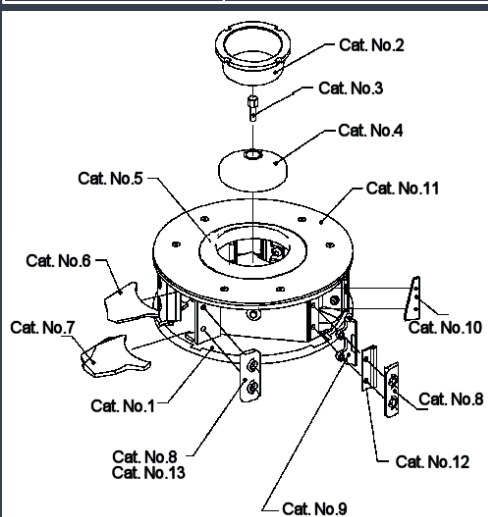
- Techroq supplies a wide range of VSI rotors and wear parts to suit any customers crushing requirements. The range of rotors starts from 480mm ϕ to the largest being 1000mm ϕ .
- In the range there are 3,4 and 5 port Rotors, in both standard and Deep Rotor sizes.
- Our Rotors are manufactured such that they can be interchanged on any size VSI Crusher.
- Techroq offers a service exchange program on rotors, where the rotor body remains the property of Techroq and the customer pays only for the wear parts used. In this offer Techroq will clean, fit new parts and balance the rotor ready for refitting.

Rotors

- We Keep stock on replacement rotors for the T6R, T7R, T8R and the T9R in both standard and DD.
- Our rotors and parts are interchangeable with most other VSI crushers including Metso and Crushtech.



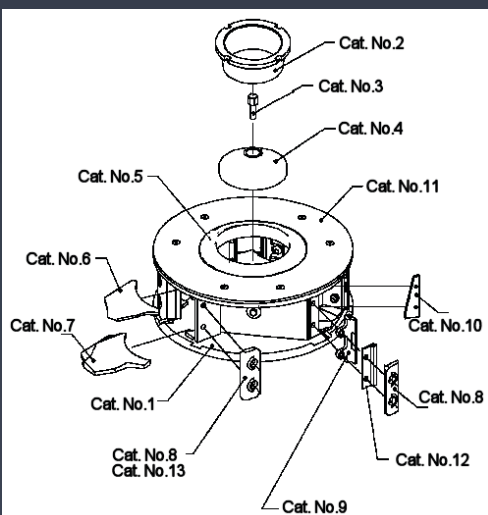
Catalogue Number	Description	Cross reference part numbers	Picture	Approximate weight (Kg)
1	Rotor Weldment	B48204105C		
2	Feed Tube	B481S7040B		
3	Distributor Bolt	B48204025A		0.57
4	Distributor Plate	B48204120B		33
5	Feed Eye Ring	B48204030A		27.80
6	Upper Wear Plate Set	B48204135B		25.80
7	Lower Wear Plate Set	B48204140B		28.20
8	Tip/Cavity Wear Plate Set	B48204050A		12.50
9	Rotor Tip Set	B48204045B		12.40
10	Trail Plate Set			3
11	Top Wear Plate Set	B48204170C		34
12	Back-up Tip Set			4.10
13	Tip/Cavity Wear P1 Bolt Set	B48204013B		0.12



The above are our standard parts. We stock variations of the above parts as well - extended life parts with tungsten, special hardness parts for specific applications.

We supply all other parts required for your crusher: bearing cartridges, taper locks, vibration sensors etc.

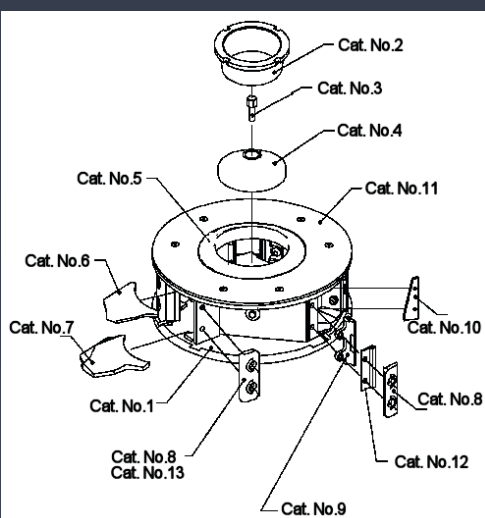
Catalogue Number	Description	Cross reference part numbers	Picture	Approximate weight (Kg)
1	Rotor Weldment	B69274106G/W 485.0083-901		
2	Feed Tube	B691S7040A 485.0055-001		
3	Distributor Bolt	B96394025A 485.0156-001		0.57
4	Distributor Plate	B69274120C 485.0084-001		33
5	Feed Eye Ring	B69274030B 485.0056-001		27.80
6	Upper Wear Plate Set	B69274135A 485.0085-901		25.80
7	Lower Wear Plate Set	69274140A 485.0087-901		28.20
8	Tip/Cavity Wear Plate Set	B69274065A 485.0072-901		12.50
9	Rotor Tip Set	B69274048B 485.0060-901		12.40
10	Trail Plate Set	B69274055B 485.0065-901		3
11	Top Wear Plate Set	B69274170C 485.0089-901		34
12	Back-up Tip Set	B69274060A 485.0069-901		4.10
13	Tip/Cavity Wear P1 Bolt Set	B96394150L/B 485.0194-901		0.12



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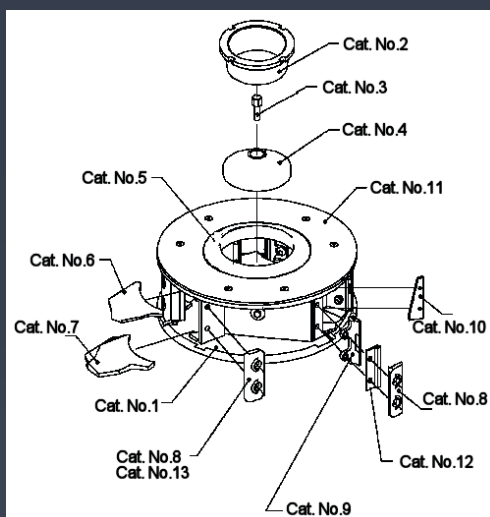
Catalogue Number	Description	Cross reference part numbers	Picture	Approximate weight (Kg)
1	Rotor Weldment	B80304106C/W 485.0099-001		
2	Feed Tube	B702S7140A 485.0091-001		
3	Distributor Bolt	B96394025A 485.0156-001		0.57
4	Distributor Plate	B96394120E 485.0187-001		33
5	Feed Eye Ring	B80304130D 485.0100-901		27.80
6	Upper Wear Plate Set	B80304135B 485.0101-901		25.80
7	Lower Wear Plate Set	B80304140B 485.0103-901		28.20
8	Tip/Cavity Wear Plate Set	B96394150J 485.0188-901		12.50
9	Rotor Tip Set	B96394048D 485.0164-901		12.40
10	Trail Plate Set	B80304055B 485.0170-901		3
11	Top Wear Plate Set	B80304170C 485.0105-901		34
12	Back-up Tip Set	B96394060A 485.0174-901		4.10
13	Tip/Cavity Wear P1 Bolt Set	B96394150L/B 485.0194-901		0.12



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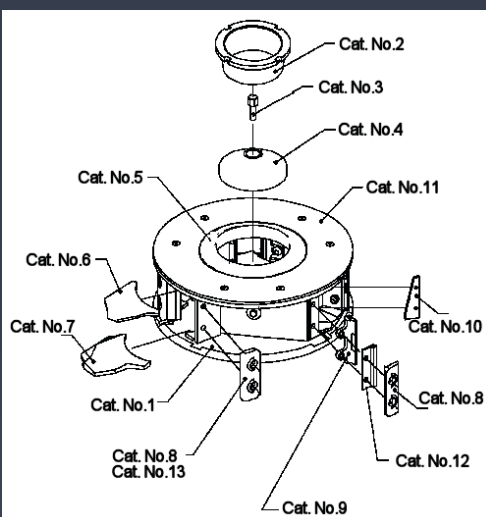
Catalogue Number	Description	Cross reference part numbers	Picture	Approximate weight (Kg)
1	Rotor Weldment	B96334106F/W 485.0153-901		
2	Feed Tube	B962S7040B 485.0139-001		
3	Distributor Bolt	B96394025A 485.0156-001		0.57
4	Distributor Plate	B96394120E 485.0187-001		33
5	Feed Eye Ring	B96334030B 485.0140-001		27.80
6	Upper Wear Plate Set	B96334135A 485.0141-901		25.80
7	Lower Wear Plate Set	B96334140A 485.0143-901		28.20
8	Tip/Cavity Wear Plate Set	B96394150J 485.0188-901		12.50
9	Rotor Tip Set	B96394048D 485.0164-901		12.40
10	Trail Plate Set	B96394055B 485.0170-901		3
11	Top Wear Plate Set	B96334170B 485.0154-901		34
12	Back-up Tip Set	B96394060A 485.0174-901		4.10
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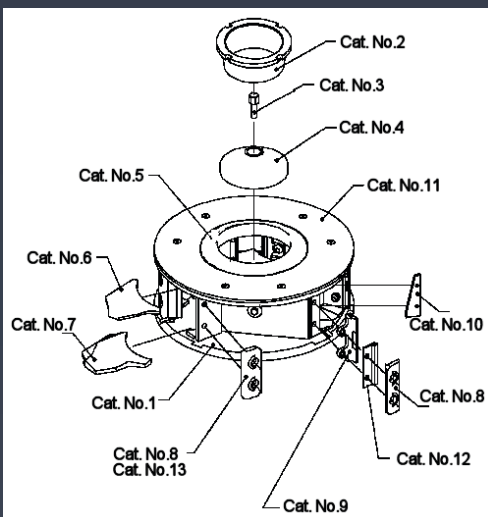
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1	Rotor Weldment	B90334106F/W 485.0126-901		
2	Feed Tube	B962S7040B 485.0139-001		
3	Distributor Bolt	B96394025A 485.0156-001		0.57
4	Distributor Plate	B96394120E 485.0187-001		33
5	Feed Eye Ring	B96334030B 485.0140-001		23
6	Upper Wear Plate Set	B96334135A 485.0141-901		25.80
7	Lower Wear Plate Set	B96334140A 485.0143-901		28.20
8	Tip/Cavity Wear Plate Set	B96394150K (2 req.) B96394150L (1 req.) 485.0190-901 (2 req.) 485.0192-901 (1 req.)		6.25
9	Rotor Tip Set	B96394049C 485.0167-901		5.60
10	Trail Plate Set	B90394055B 485.0127-901		5
11	Top Wear Plate Set	B96334170B 485.0154-901		41
13	Tip/Cavity Wear P1 Bolt Set	B96394150L/B 485.0194-901		0.12



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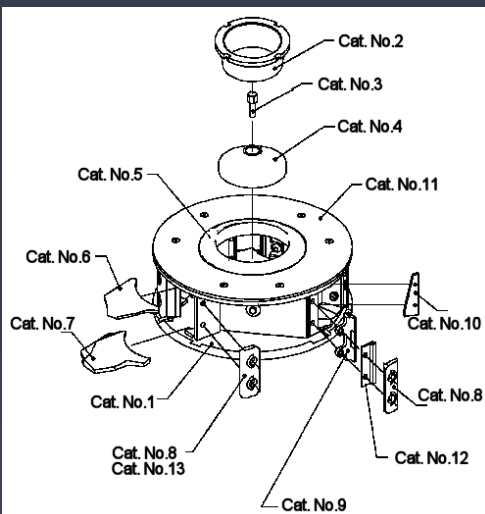
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1	Rotor Weldment	B96394106F/W 485.0185-901		
2	Feed Tube	B962S7040B 485.0139-001		
3	Distributor Bolt	B96394025A 485.0156-001		0.57
4	Distributor Plate	B96394120B 485.0186-001		33
5	Feed Eye Ring	B96394030A 485.0157-001		27.80
6	Upper Wear Plate Set	B96394135A 485.0158-901		25.80
7	Lower Wear Plate Set	B96394140A 485.0160-901		28.20
8	Tip/Cavity Wear Plate Set	B96394150J 485.0188-901		12.50
9	Rotor Tip Set	B96394048D 485.0164-901		12.40
10	Trail Plate Set	B96394055B 485.0170-901		3
11	Top Wear Plate Set	B96394170B 485.0195-901		34
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4	Distributor Plate	B96394120E 485.0187-001		33
5	Feed Eye Ring	B96334030B 485.0140-001		23
6	Upper Wear Plate Set	B96334135A 485.0141-901		25.80
7	Lower Wear Plate Set	B96334140A 485.0143-901		28.20
8	Tip/Cavity Wear Plate Set	B96394150K (2 req.) B96394150L (1 req.) 485.0190-901 (2 req.) 485.0192-901 (1 req.)		6.25
9	Rotor Tip Set	B96394049C 485.0167-901		5.60
10	Trail Plate Set	B90394055B 485.0127-901		5
11	Top Wear Plate Set	B96334170B 485.0154-901		41
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CONTACT US

TELEPHONE:

+61 (0)4 08 05 84 94

Fax:

+61 1800 018 411

Postal:

P.O.Box 328
Floreat
6014 WA
Australia

Head Office:
Chamdor, Gauteng South Africa.

Perth Office:
26 Perina Way, City Beach

e-mail: Info@techroq.com.au
WWW.techroq.com.au

Warehouse stock:

Perth, Melbourne, Sydney, Adelaide and Brisbane.