



SUPPORTING YOUR BUSINESS!

CIVIL ENGINEERING CRANE HIRE | NOISE BARRIERS FOUNDATION ENGINEERING BRIDGES | PONTOONS CRANE MATS | ROAD PLATES







CONTENTS





Transport and materials handl	ing
Plant hire range	7 -
Civil engineering projects	10 - 1
Earthmoving plant	1
Sewerage	1
Pavements	1
Watercourses	1
Foundation engineering	12 - 1
Boring and piling	1
Sheet piling	1
Anchor installation,	
anchor and pile removal	
Bentonite injection	
Precast concrete piles	
Screw injection piles	
Environmental engineering	14 - 1
Soil remediation projects	1
Soil policy,	
Soil policy, legislation and regulations	
Soil policy, legislation and regulations Projects	16 - 1
Soil policy, legislation and regulations Projects Turnkey	16 - 1
Soil policy, legislation and regulations Projects Turnkey Design & construct	16 - 1
Soil policy, legislation and regulations Projects Turnkey Design & construct Engineering	16 - 1

Van Schie

Who we are

Plant hire

The strength of Van Schie

Certificates	18
Re-use	18
Dredged material	19
Recycling	19
Road plates and crane mats	20 - 21
Crane mats	20
Road plates	20
Steel structures	21
Bridges and pontoons	22 - 25
Plate pontoons	22
Uniflote pontoons	22
Container pontoons	22
VSP770 pontoons	23
Pontoon specifications	23
Bridges	24 - 25
Lattice girder bridge	25
JDB - modular movable bridge	25
Events	26
Crane hire	27 - 30
Telescopic cranes and tower cra	anes 27
Telehandlers and MEWPS	27
Load chart -	
mobile telescopic cranes	28
Load chart -	
tower cranes	29
Load chart - telehandlers	30
Noise barriers	31
Emergencies	32
Lineigeneice	

Mijdrecht soil bank

5

6

6 - 9

18 - 19



WHO WE ARE

The Van Schie Groep has been active in earthmoving and civil engineering for over 55 years. The group includes Van Schie B.V., Van Schie Kraanverhuur B.V., HP Staal B.V. and Janson Bridging B.V. Each has its own specialisation and areas of activity. Together they underpin a healthy company which offers a broad range of services, extensive experience and a common sense approach to business.

This brochure provides detailed information about the activities of our operating companies. The information about HP Staal and Janson Bridging is relatively short. You can find more details about these two companies at www.hpstaal.nl and www.jansonbridging.com.

The Van Schie Groep undertakes a wide range of projects for public sector clients, project developers, other contractors and private clients. These range from removing contaminated soil through to installing sewers, excavating construction sites and building roads. We also undertake hydraulic pile driving and boring, installation of revetment, sheet piling and noise barriers and more. This brochure provides information about all these services. You can also read about our plant and equipment hire division.

At Van Schie Groep we aim to contribute to your successful business operations. Please contact us for more information or to arrange a meeting to discuss your project.

Van Schie Groep - always dynamic

THE STRENGTH **OF VAN SCHIE**

PLANT HIRE

A huge range

We can provide you with loading shovels, diggers, dumpers, low loaders and boring and piling rigs. Our range of plant and vehicles is huge and covers a wide array of types and specifications. This ensures that we can meet all your plant hire needs.

For example, you have a choice of various loading shovels. These multifunctional units can be used for a range of applications. We also provide mini diggers. Whatever type of plant you choose, it will always be delivered to your site accompanied by an experienced operator.

Experts in boring and piling rigs

Whatever your boring or piling project - we have the right plant. Our boring and piling rigs are all perfectly maintained and our range suits both small and large projects. We also provide boring and piling consultancy services.

TRANSPORT AND MATERIALS HANDLING

Solutions for every project

We can transport and handle almost any load. The hire range includes agile dumpers for use on any building site. Our trucks can carry your storage containers, pontoons, road plates, crane mats and bulk materials. They are suitable for sites which are hard to reach, and for heavy loads.

PLANT HIRE:

PLANT HIRE RANGE

We have a wide range of construction plant, handling and transport equipment available for hire. The details of the plant are included in the tables below. We hope this information helps you choose the right equipment for your job.

LOADING SHOVELS	Giant	Volvo L60	Volvo L70	Volvo L90	Volvo L110
Bucket capacity	0.5 m ³	1.4 m ³	1.8 m ³	2.7 m ³	3.4 m ³
Width	1.65 m	2.20 m	2.50 m	2.49 m	2.67 m
Height	2.57 m	3.08 m	3.18 m	3.27 m	3.36 m
Pallet fork capacity	1,390 kg	2,800 kg	4,200 kg	5,000 kg	5,850 kg
Weight	3,540 kg	9,000 kg	11,500 kg	17,000 kg	19,330 kg

The following loading shovel attachments are available:

• Pallet forks • Jib • Levelling board

Positive pressure cab

TRANSPORT	Low loader, payload 60 tonnes	Low loader, payload 42 tonnes	Road plate truck	Container truck	Clamshell bucket crane truck	Loader crane truck
Overall combination length	22.11 m	21.50 m	10.35 m	8.69 m	8.65 m	10.50 m
Overall combination width	2.82 m	2.55 m	2.54 m	2.53 m	2.55 m	2.55 m
Bed length	8.00 m	7.60 m	6.31 m	7.00 m	5.86 m	6.30 m
Payload	65,640 kg	45,000 kg	30,000 kg	27,900 kg	15,300 kg	11,000 kg

vanschie.com

LOADING SHOVELS | EXCAVATORS | DUMPERS | LOW LOADERS PILING AND BORING RIGS | MINI DIGGERS | TRUCKS

BORING AND PILING RIGS	Junttan PM20	Caterpillar up to 15 m	Zeppelin up to 15 m	Benati up to 12 m	Caterpillar up to 10 m
Undercarriage width	3.35 m	3.00 m	3.35 m	2.70 m	3.90 m
Radius, from rig centre	5.70 m	5.36 m	5.50 m	5.30 m	5.00 m
Leader inclination forwards/backwards	14° / 5°	14° / 5°	5° / 7°	4° / 8°	14° / 5°
Weight	60,000 kg	53,000 kg	52,320 kg	36,470 kg	32,800 kg
Mast height	26.70 m	21.49 m	20.70 m	16.70 m	15.50 m
Max. length below piling block	21.00 m	15.18 m	15.00 m	12.00 m	11.69 m
Positive pressure cab	no	yes	no	no	yes

EXCAVATORS	Mobile				Trac	ked	
Weight	14 tonnes	18 tonnes	19 tonnes	15 tonnes	25 tonnes	26 tonnes	35 tonnes
Undercarriage width	2.49 m	2.49 m	2.54 m	2.50 m	3.29 m	3.32 m	3.09 m
Overall height	3.00 m	3.10 m	3.23 m	2.98 m	2.96 m	3.00 m	3.15 m
Positive pressure cab	no	yes	no	yes	yes	yes	yes

The following excavator attachments are available:

MINI TRACKED EXCAVATORS	800 kg	2 tonnes	3.5 tonnes	3.5 tonnes	5.5 tonnes	7.5 tonnes
Undercarriage width	0.70 m	1.20 m	1.65 m	1.63 m	2.10 m	2.15 m
Overall height	1.40 m	2.30 m	2.49 m	2.65 m	2.50 m	2.57 m
Weight	800 kg	1,800 kg	3,540 kg	3,530 kg	5,400 kg	7,405 kg
Positive pressure cab	no	no	no	yes	yes	yes

DUMPERS	Tracked wheelbarrow	Tracked dumper	A 25 D	A 25 E
Overall width	0.83 m	1.55 m	2.86 m	2.86 m
Weight, empty	570 kg	2,250 kg	21,560 kg	21,560 kg
Positive pressure cab	no	no	yes	yes

- Vibratory hammers for flat panels
- Vibratory hammers for sheet piling
- Demolition hammers
- Dumper buckets
- Sorting grabs
- Pallet forks
- Clamshell buckets
- Crushers
- Boom extensions

CIVIL ENGINEERING PROJECTS

EARTHMOVING PLANT

Earthmoving for construction or civil engineering operations? Large or small project? At Van Schie we know how to tackle it. We have a large fleet of earthmoving plant which is also available for hire. Our scope includes excavating cable trenches, residential basements and deep site excavations. We also grade sites, and deposit more soil where required. Do not hesitate to contact us for expert advice.

SEWERAGE

We specialise in deep level and pressure sewers, in PVC, PE, HDPE or concrete. This sector demands extensive experience and knowledge - which we can provide given our wealth of experience gained from numerous projects. We also install drainage systems.

WATERCOURSES

Van Schie also works in and around watercourses! We have both extensive experience in this area and the required equipment. Our range includes pontoons, temporary bridges cranes and sheet piling - available in-house at short notice to meet all your requirements.

- Our work includes:
- Revetment
- Dredging
- Water-retaining structures
- "Green" watercourse banks

PAVEMENTS

Good access is essential at every site and demands high quality pavements. Van Schie specialises in this field. We can lay any type of cover or pavement, ranging from bark mulch for garden paths, asphalt concrete for industrial sites or concrete slabs - we have the expertise, the people and the plant. Naturally we can also prepare the site and lay the base courses and subbase.

To arrange a meeting to discuss your project

-31 297 237 537 or m info@vanschie.com

FOUNDATION **ENGINEERING**

BORING AND PILING

12

Van Schie are experts in boring and piling. We have rigs for driving concrete and wooden piles. The type of pile depends on the load on the foundations and the site conditions. Wooden piles are a good choice for foundations for sewers, jetties, bicycle bridges and small buildings. Heavier applications demand concrete piles.

The vibration caused by impact piling can be reduced by pre-boring (augering). We can do this in diameters from 200 to 600 mm and a maximum depth of 21 m.

SHEET PILING

Sheet piling is widely used for retaining water or ground. Depending on the application we can install steel, timber or plastic sheet piling. There are several options for driving steel sheet piling and panels. For example, high frequency driving results in little vibration and hardly any inconvenience to the surrounding area. Our vibration monitoring equipment measures this continuously.

Steel sheet piling can also be pressed in, without any vibration. Our dedicated hydraulic rigs deliver a high force to drive the piling through the ground.

ANCHOR INSTALLATION ANCHOR AND PILE REMOVAL

After driving, sheet piling often needs to be anchored. We supply the required anchors and have specialist plant to install and remove them. We can also extract foundation piles from the ground. Softwood, azobe, precast concrete or in-situ piles - we have dealt with them all.

BENTONITE INJECTION

During soil remediation projects there is often a risk of contaminated soil (e.g. containing oil) mixing with flowing groundwater. Pile extraction can also lead to "short-circuits" of groundwater flows. This can be avoided by injecting bentonite into the soil. Bentonite is a clay which contains sodium and it has unique rheological properties.

The particles are minute and can stop the flow of water completely. Bentonite can be used to isolate ground volumes. We can also create bentonite screens in the ground to reduce vibration caused by driving sheet piling and similar operations.

PRECAST CONCRETE PILES

We are thoroughly familiar with precast concrete piles. These traditional displacement piles are suitable for both small and large buildings.

They are widely used for road construction and civil engineering projects which result in high pile loads. Precast piles can be driven from the surface for basements, tunnels and other underground structures.

SCREW INJECTION PILES

Screw injection piles (SIP) are an advanced and efficient option for foundations which is particularly suitable for sites where vibration is an issue. The SIP method revolves around a tubular steel pile which is filled and surrounded with cement grout. The displacement pile is screwed into the ground without causing any vibration. The cement grout injected while the pile is screwed into the ground reduces the resistance and improves the rigidity of the pile. The grout column also ensures that the screw flights at the bottom of the pile create a suitable bearing area. As the piles have steel cores they can accommodate high tensile loads.

13

ENVIRONMENTAL ENGINEERING

SOIL REMEDIATION PROJECTS

14

Some former industrial sites in city centres are apparently attractive, but unsuitable for residential use due to soil contamination. Van Schie is familiar with a range of techniques, always tailored to local circumstances, to make sites suitable for the intended purpose. We undertake all aspects of the work in-house. During the preparatory stages our experts can make your life easy by developing a site-specific remediation plan. This covers everything, from the initial approach through to the details of the remediation operations. We consult with the competent authorities and other stakeholders to guide you through the mass of legislation and options.

Our excavators remove the contaminated soil which our trucks then transport to our approved processing site in Mijdrecht. Here the soil is buffered, cleaned and prepared for use in construction projects. As we are in control of the full chain we can guarantee the quality of the end product.

Instead of removing the contaminated soil we can also use other methods. For example, we can inject nutrients into the groundwater to initiate biological processes to deal with the contamination. We also have water treatment plants and other pump and treat systems to clean up groundwater so that it meets discharge requirements. And if there are no appropriate techniques then we can develop a new method, based on our wealth of experience, and supported by specialist partners where necessary.

As we cover all aspects of remediation projects we can undertake the engineering and application for permits for you. Our many years of experience and expertise ensure that our remediation methods are carefully considered, effective and cost-saving. The approach is always tailored to local ground conditions, the type of contamination and relevant site issues.

SOIL POLICY, LEGISLATION AND REGULATIONS

In the Netherlands, soil remediation projects are covered by extensive legislation and other regulations. The Dutch government aims to ensure that the soil is carefully managed. Hence the Kwalibo quality management system was set up under dedicated legislation. Key aspects of Kwalibo:

- Public sector quality improvement
- Improved supervision and enforcement
- Approval scheme for contractors

duction of Kwalibo in 2007. We are certified for three methods:

- 7001: Conventional (off-site) soil remediation
- 7002: In-situ soil remediation
- 7003: Watercourse bed remediation

You can rely on us for all soil remediation methods

Van Schie was certified for undertaking soil remediation projects at the time of the intro-

Kwalibo covers four soil remediation methods, defined in the BRL 7000 document.

PROJECTS

Our extensive expertise is based on many years of experience and numerous projects. We apply this expertise to a large range of projects, small and large.

TURNKEY

16

You can entrust us with the full responsibility for your project as turnkey project delivery is one of our strengths. At the start of the project we analyse your quality requirements and the desired objective and document them clearly. We then undertake the project on a turnkey basis - relieving you of all worries.

DESIGN & CONSTRUCT

Design & construct is widely used in the Netherlands. If you opt for this type of project we design, undertake all necessary calculations and construct the building for you.

We divide these projects into stages and you can check our work after each stage. Once you have approved a stage we start on the next one. The work done in each stage is our responsibility. The advantages of this method are clear: you can expect a high quality design and a quick project start, saving you time and money.

ENGINEERING

Achieving good results depends on reliable calculations and an effective interpretation of the design by our engineering department. Our engineering scope includes:

- Pile design
- Advising on groundwater lowering
- Advising on sheet piling and undertaking the necessary calculations
- Sewer capacity calculations
- Infrastructure design
- Managing and supporting soil remediation projects
- Undertaking stability calculations for civil engineering projects
- Applying for the relevant permits and licences.

DIGITALISATION

We are fully up to speed with all developments in digital technology. We use GPS system to transfer AutoCAD drawings straight to the construction site. Everything is digital: from draughting through to the work on site.

MIJDRECHT SOIL BANK

All operations involving soil, sand and rubble are subject to strict environmental regulations. Only approved contractors are permitted to excavate and transport soil, assess its quality, and to store, transship and sell it. All these specialist activities are restricted to select certified operators such as Grondbank Mijdrecht, part of the Van Schie Groep.

CERTIFICATES

We are certified to BRL 9335 for the storage and transshipment of soil, and to BRL 7500 for treating contaminated soil and dredged material.

RE-USE

18

All soil delivered to our soil bank is assessed on the basis of the available information, including soil surveys. We remove extraneous materials and then test the soil. Finally the soil is divided into four fractions:

- 1. Clean (background concentration)
- 3. Residential use
- 4. Industrial use
- 5. Highly contaminated (not suitable for use)

After testing the soil we issue quality certificates for the first three fractions which can then be used in construction projects. We clean highly contaminated soil using the appropriate techniques, after which it can also be re-used.

We process not only soil but also dredged material which is first ripened and then tested and assessed in the same way as soil. Where necessary the ripened dredged material is subjected to remediation processes. If these do not have the desired effect then the material is landfilled.

RECYCLING

Our Mijdrecht site accepts rubble and other construction wastes, soil and green waste. We aim to recycle the largest possible proportion of wastes from our construction projects. In this way Van Schie aims to contribute to the circular (recycling) economy, to avoid exhausting natural resources and to re-use wastes where possible. Rubble is crushed, assessed and given a product certificate for use in the construction industry.

Contact

Please call us on +31 297 237 537 or mail info@vanschie.com

ROAD PLATES AND CRANE MATS

Our road plates and crane mats are of the highest quality and available in a choice of sizes and materials. We also supply steel panels. Both steel and polymer road plates are available. The minimum rental

period is one week.

CRANE MATS

20

The photograph at the bottom left shows an island created with our pontoons.

The pontoons are covered by azobe crane mats which are strong enough to allow safe and stable telescopic crane operations.

DIMENSIONS	WEIGHT
5,000 x 1,000 x 80 mm	400 kg
5,000 x 1,000 x 100 mm	575 kg
5,000 x 1,000 x 200 mm	1,150 kg
6,000 x 1,000 x 150 mm	1,000 kg
7,000 x 1,000 x 200 mm	1,600 kg
8,000 x 1,000 x 200 mm	1,900 kg
10,000 x 1,000 x 250 mm	3,000 kg

ROAD PLATES

Road plates are mostly used to make rough terrain trafficable. They also help to protect the existing surface.

Road plates can be combined with pontoons to create temporary bridges for construction sites and special events.

Our dedicated road plate truck can lay the plates quickly and efficiently.

DIMENSIONS	WEIGHT
3,000 x 1,000 x 15 mm (polymer)	42 kg
4,000 x 1,000 x 20 mm (polymer)	60 kg
5,000 x 1,000 x 14 mm	550 kg
5,000 x 1,500 x 14 mm	830 kg
6,000 x 1,500 x 14 mm	1,000 kg
6,000 x 1,800 x 16 mm	1,400 kg
5,000 x 2,500 x 18 mm	1,800 kg

STEEL STRUCTURES

Our strength is that we have almost everything in-house or can construct it, including auxiliary structures. These are constructed in our workshop and then delivered to the site.

22

BRIDGES AND PONTOONS

Janson Bridging in Hank is a key company of the Van Schie group. We are the European market leader in rental and sales of a wide range of permanent and temporary bridges. Additionally we can provide you with a range of pontoons to suit your requirements. Turnkey solutions are also available: we can provide all the design calculations and 3D drawings you need. After that we deliver the pontoons to your site and install them, ready for your project.

PLATE PONTOONS

Plate pontoons are mostly used for operations on and around watercourses, such as maintenance and revetment installation. The pontoons can be linked to form islands, work platforms or floating bridges. We can fit them with dedicated ramps, wheel guides, handrail posts and barriers. These pontoons can be used for a wide range of operations.

UNIFLOTE PONTOONS

These pontoons are mostly used as work islands. Their high load capacity means they can support excavators, piling rigs and other heavy plant. They are also excellent for creating bridges, mooring jetties, work and survey pontoons and breakwaters.

CONTAINER PONTOONS

Container pontoons are the best solution for applications demanding the highest load capacity. They can accommodate axle loads up to 18 tonnes and construction plant weighing 100 tonnes can safely operate at the edge of the pontoon. These pontoons can be arranged with a slot in the centre for foundation operations.

NEW! VSP770 PONTOONS

Van Schie's new modular pontoon is unique. It offers more load capacity, options and efficiency and is DNV-GL certified! Van Schie offers solutions for working on and by water, for events and civil engineering projects.

As we aim for continuous improvement we have developed a new pontoon offering you even more options. This enables you to undertake your projects more quickly, easily, safely and greener, and offers a higher capacity, more applications and more accessories.

PONTOON SPECIFICATIONS

PLATE PONTOONS	DIMENSIONS	WEIGHT	CAPACITY
Centre pontoon	4,200 x 2,100 x 760 mm	1,180 kg	3,200 kg
End pontoon	4,700 x 2,100 x 760 mm	1,200 kg	3,100 kg
Spud	Ø 200 mm, length 2,500 to 7,000 mm	variable	-
Baby spud	Ø 60 mm, length 2,500 mm	variable	-

UNIFLOTE PONTOON	DIMENSIONS	WEIGHT	CAPACITY
Pontoon	5,520 x 2,680 x 1,380 mm	4,000 kg	9,000 kg
Spud	Ø 300 mm, length 4,000 to 10,000 mm	variable	-
Spud	Ø 420 mm, length 12,000 mm	variable	-

CONTAINER PONTOON DIMENSIONS		WEIGHT	CAPACITY	
Pontoon	11,980 x 2,480 x 15.02 mm	10,500 kg	21,000 kg	

VSP770	DIMENSIONS	WEIGHT	CAPACITY
Pontoon	4,500 x 2,250 x 770 mm	2,250 kg	3,700 kg

24

Minimum section length

Minimum section width

BRIDGES

Our bridges can be used in a wide range of settings, across watercourses, roads, etc. Together with our sister company Janson Bridging we offer a comprehensive service: in the Netherlands and abroad, temporary and permanent bridges, bridges for construction projects, bridges for heavy vehicles and pedestrian bridges.

BRIDGE SPECIFICATIONS

VAN SCHIE TREADWAY	LENGTH	WEIGHT (KG)
Treadway ramp	500 cm	1,678 kg
Treadway section	460 cm	1,896 kg

JANSON BEAM BRIDGES, JSK 450 SERIES					
Minimum section length	10.5 m				
Minimum section width	1.5 m				

Lattice girder bridges are assembled from components which can be combined in almost any shape. The bridge capacities comply with AASHTO HS 20-44 and they are designed to Eurocode 3/1995.

JDB - MODULAR MOVABLE BRIDGE

Janson Bridging's latest solution is a temporary, modular, movable bridge for heavy loads. The JDB is a unique design and complies with the latest legislation and regulations for movable bridges. Its length and width are easily adapted to your requirements and it can be fitted with a bicycle path or footway.

JANSON

9 m 3.5 m

JANSON PLATE GIRDER BRIDGES, JSB 100 SERIES

JANSON PLATE GIRDER BRIDGES, JSB 200 SERIES						
Minimum section length	10.5 m					
Minimum section width	2.5 m					

JANSON BEAM BRIDGES, JSK 300 SERIES					
Minimum section length	9 m				
Minimum section width	1.5 m				

Janson bridges are Class 600 rated and therefore suitable for extremely heavy trucks.

We can provide bridges of any length or width.

EVENTS

Our pontoons, crane mats, road plates and bridges are often used for special events. We have gained a wealth of experience in this field which enables us to deliver turnkey projects. We can do all the calculations for you, make 3D drawings, arrange transport and installation and provide further support. All you have to do is tell us what you need.

EXAMPLES OF MAJOR EVENTS

SAIL

This unique maritime event is held in Amsterdam every five years. We provide thousands of square metres of pontoons for mooring, emergency facilities, a pedestrian ferry and a large events island. Our solutions help the audience to enjoy this great event.

TOMORROWLAND

Tomorrowland is a large scale, internationally renowned event held annually in Boom, Belgium. Van Schie pontoons form a key part of the event infrastructure. Every year our platforms and pontoon bridges enable tens of thousands of festival-goers to enjoy a great time.

CRANE HIRE

Our operating company Van Schie Kraanverhuur has a wide range of telescopic cranes, tower cranes and smaller plant such as telehandlers and mobile elevating work platforms (MEWPs) available for rent.

TELESCOPIC CRANES AND TOWER CRANES

Our fleet includes about 20 mobile cranes. They combine a relatively low weight with a high lifting capacity and are widely used in the construction industry. Additionally they are used for other projects, such as recovery operations. We specialise in demanding vertical and horizontal handling projects. Our cranes are available for single jobs or projects.

TELEHANDLERS AND MEWPS

When a ladder is not up to the job a telehandler or MEWP is a perfect solution, enabling you to keep your hands free. These stable units are safe to use and easy to operate.

28

To arrange a meeting to discuss your project

please call us on 31 297 237 537 or ma info@vanschie.com

LOAD CHART - MOBILE TELESCOPIC CRANES									
Radius (m)	adius (m) CAPACITY, TONNES								
	40	50	70	100	120	160	200		
6 m	15.9	25.5	31.5	56.2	56.6	92.0	94.9		
8 m	10.4	16.0	23.3	42.1	44.8	73.3	75.5		
10 m	7.1	11.5	18.4	30.7	34.7	57.2	62.7		
12 m	5.3	8.7	14.8	23.5	26.2	45.2	53.0		
14 m	4.0	6.8	11.8	18.8	21.2	36.0	44.6		
16 m	3.2	5.5	9.6	15.4	17.6	29.9	38.3		
18 m	2.5	4.5	7.9	13.3	14.8	25.2	33.1		
20 m	2.0	3.7	6.8	11.3	12.6	21.5	29.2		
22 m	1.6	3.1	5.9	9.9	11.3	18.2	25.3		
24 m	1.3	2.6	4.9	8.7	9.9	15.9	22.9		
26 m	1.0	2.2	4.4	7.7	8.8	14.6	19.7		
28 m		1.8	3.8	6.8	7.9	13.0	17.6		
30 m		1.1	3.3	6.1	7.1	11.6	15.7		
34 m			2.5	4.8	5.9	9.6	13.6		
38 m			1.7	3.5	4.5	7.3	10.7		
42 m			1.1	2.3	3.2	6.0	9.2		
46 m				1.7	2.6	4.6	7.5		
50 m						3.3	5.9		
54 m						2.5	4.8		
58 m						1.3	3.7		
62 m							2.9		

The load charts provide an indication of the required type of crane. The following factors must be considered in all calculations:

- Weight of the load
- Maximum radius and lifting height
- Weight of the lifting accessories and hook block
- The radius is measured from the centre of the crane to the centre of the load
- Special lifting accessories and other attachments
- Available space and bearing capacity of the site
- Availability of trained load slingers

LOAD CHART - TOWER CRANES									
Radius (m)	CAPACITY, TONNES								
	AT4 -	40m	AT4 ·	- 48m	AT5 -	50m	AT6 -	60m	
	0°	30°	0°	30°	0°	30°	0°	30°	
10 m	8.0	8.0	7.0	7.0	9.0	9.0	10.0	5.0	
14 m	7.1	6.1	7.0	6.0	8.3	7.1	9.3	5.0	
18 m	5.3	4.5	5.2	4.5	6.2	5.3	6.9	5.0	
22 m	4.2	3.6	4.1	3.5	4.9	4.2	5.5	4.7	
24 m	3.8	3.2	3.7	3.2	4.4	3.8	5.0	4.2	
26 m	3.4	2.9	3.4	2.9	4.0	3.4	4.5	3.9	
28 m	3.2	2.7	3.1	2.7	3.7	3.2	4.1	3.5	
30 m	2.9	2.5	2.9	2.5	3.4	2.9	3.8	3.3	
32 m	2.7	2.3	2.7	2.3	3.2	2.7	3.5	3.0	
34 m	2.5	2.1	2.5	2.1	2.9	2.5	3.3	2.8	
36 m	2.3		2.3	2.0	2.8	2.3	3.1	2.6	
38 m	2.2		2.2	1.9	2.6	2.2	2.9	2.5	
40 m	2.1		2.1	1.7	2.4	2.1	2.7	2.3	
42 m			1.9	1.2	2.3	1.9	2.6	2.2	
44 m			1.9		2.2		2.4	2.0	
46 m			1.7		2.1		2.3	1.9	
48 m			1.7		2.0		2.2	1.8	
50 m					1.9		2.1	1.7	
52 m							2.0	1.7	
56 m							1.8		
60 m							1.7		

LOAD CHART - TELEHANDLERS								
Model	5 m (rigid)	17 m	lewing)					
Outrigger footprint L x W (m)	no outriggers	4.60 x 4.70 6.00 x 4.70		4.60 x 4.70	6.80 x 2.50			
		On outriggers	Without outriggers	On outriggers	Without outriggers			
Radius (m)		Сара	city (t)					
1	2.3							
2	1.75	4	4					
3	1.15	4	2.5					
4		4	1.5					
5		3.5	1.2	5	4			
6		2.5	0.9	4	3			
7		2	0.4	4	2			
8		1.5	0.25	3	1.5			
9		1.2	0.12	2.5	1			
10		1		2	0.6			
11		0.7		1.6	0.6			
12		0.7		1.4	0.4			
13				1.1				
14				1.1				
15				0.9				
16				0.7				
17				0.6				

NOISE BARRIERS

Van Schie has the best equipment, most environment friendly solutions and experienced personnel for the installation, replacement, extension, repair and maintenance of noise barriers. Van Schie is increasingly selected as a contractor for noise barrier projects. Through continuous development we ensure that we take the lead in terms of knowledge, expertise and materials.

Van Schie can assist you with the installation, replacement, extension, repair, development and maintenance of noise barriers. Are you looking for a completely new noise barrier, tailored to your requirements? There is a wide choice of materials, shapes and applications. Occasionally an existing noise barrier does not meet current requirements. This can be due to wear, new legislation or regulations or product developments. In that case Van Schie can remove the existing barrier and install a new one. In some cases the foundations of the structure can be reused to save time and costs.

INNOVATION

Van Schie is always working on better noise barriers and installation methods. This covers sustainability, costs, noise attenuation and project cycle time. Van Schie can come up with an option to protect you and others against noise in any setting.

EMERGENCIES

Emergencies can happen at any time of the day or night. In such an event you need a reliable and highly experienced partner who is available 24/7 to provide a quick and expert response.

We have the people and resources to support you immediately, whatever the problem or its scale. Our weighbridge and soil, rubble and green waste disposal site can be available 24/7 by arrangement. This enables our customers to dispose of these materials at a recognised site when working at night.

OUR EXPERTISE IS CALLED UPON FOR:

• Fire damage

32

- Storm damage
- Recovery operations
- Pipeline failures
- Environmental incidents

CERTIFICATES

The Van Schie Groep holds the following certificates:

ISO 9001:2015

and how we implement this system.

VCA

system of contractors.

BRL 7000

We can work to protocols 7001, 7002, 7003 and 7004.

BRL 7500

Assessment guideline for the processing of contaminated soil and dredged material.

BRL 9335

Dutch national assessment guideline for the KOMO® product certificate and NL-BSB® certificate for soil. Technique H2: sand, gravel and BSB.

The Van Schie Groep:

This standard sets requirements for the quality management system of our business,

VCA is the Dutch site safety system for contractors. It is a versatile and comprehensive programme for the objective assessment of the health, safety, welfare and environmental

Environmental guideline for soil and watercourse bed remediation projects.

WWW.VANSCHIE.COM

vanschie.com

Constructieweg 100 3641 SP Mijdrecht The Netherlands P.O.B. 191 3640 AD Mijdrecht The Netherlands T +31 297 237 537 E info@vanschie.com