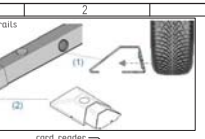
Star Guide rails
SXA643
with LEDs



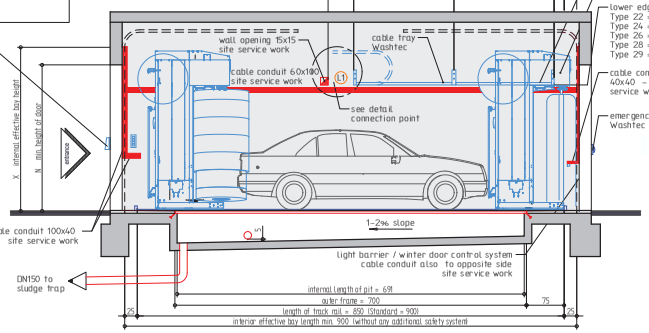
card reader
Washtec

Drive in see plans:
OPS130
OPS140
OPS150

NB!
Please make sure that the surfaces (min. R11 – DIN 51 130) of the wash bay and the control room are resistent to detergents and flocculent (polyaluminium chloride).

section 1–1

NB!
Operating range cable drag.
No installation in this area!



For the cable tray, there is a potential equalisation connection as a customer work necessary!

from construction size type 27 is a tilt safety device required!

lower edge
Type 22 = 235
Type 24 = 250
Type 26 = 270
Type 28 = 290
Type 29 = 300

cable conduit
40x40 – site
service work

emergency off
Washtec

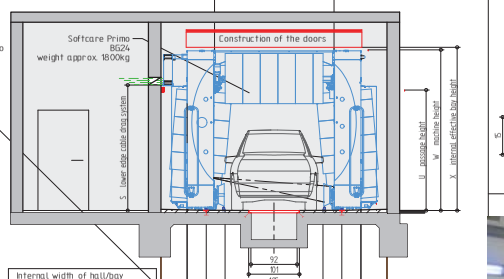
T – (safety clearance)
The safety distance of 50 cm and thus the internal width of the washbay refers to "German rules" and can be different from country to country. If the safety distance from country to country is for example 60cm, then the internal width of the washbay is to carry out correspondingly wider.
The same is true for other country-specific safety distances. If the country-specific safety distances doesn't reached, a safety system on the roll over machine is necessary!

interior effective bay length min. 855 (with safety system)
interior effective bay length min. 795 (with programme short bay)
interior effective bay length min. 735 (with car moving plate and safety system)
(all measurements for vehicle length of 5,00m)
interior effective bay length with side splash protection–standard without bay e
without safety system 44cm bay extension are necessary.
interior effective bay length with side splash protection–extension from 58cms u
interior effective bay length with roof splash protection–standard without bay e
interior effective bay length with roof splash protection–extension from 30cms u
splash protection extension are individual adjustable!
with option longer wheel guid rail (SXA647), the internal length of the wash bay

example machine
Softcare Primo
design – plus

section 3–3

NB!
cable conduits depending on local situation from aggregates to connection point
site service work

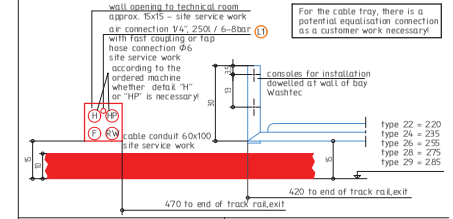


Internal width of hall/bay min. 418, if machine has safety devices. In case of less than 418 contact WashTec!! In case of a machine with splash protection contact WashTec!!

variable	name	22	24	26	28	29
N	door height (min.) – only necessary for 1 door –	310	325	345 (min. 300) please contact WashTec !!!)	365	375
S	lower edge cable drag system	235	250	270	290	300
T	safety clearance					
U	passage height Please note! passage height will be reduced if a car moving plate or an underchassis is washer with lateral grating is installed	225	240	260	280	290
W	machine height	305	320	340	360	370
X	internal effective bay height	310	325	345	365	375
Y	weight in kg	1750	1800	1850	1900	1925
Y	machine outward incl. splash protection	408	408	408	408	408
Z	internal effective bay width incl. splash protection and safety system min.	418	418	418	418	418

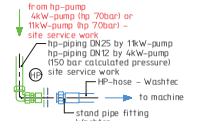
Please note!
This drawing shows the connections for machine services on the left side. Right-hand services must be shown as mirror-image.

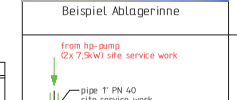
blue =to be supplied by WashTec
red =to be supplied by the customer
green =to be supplied by the customer

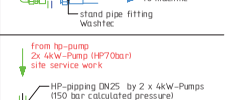


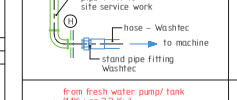
For the cable tray, there is a potential equalisation connection as a customer work necessary!

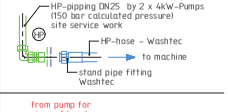
Beispiel Ablagerinne











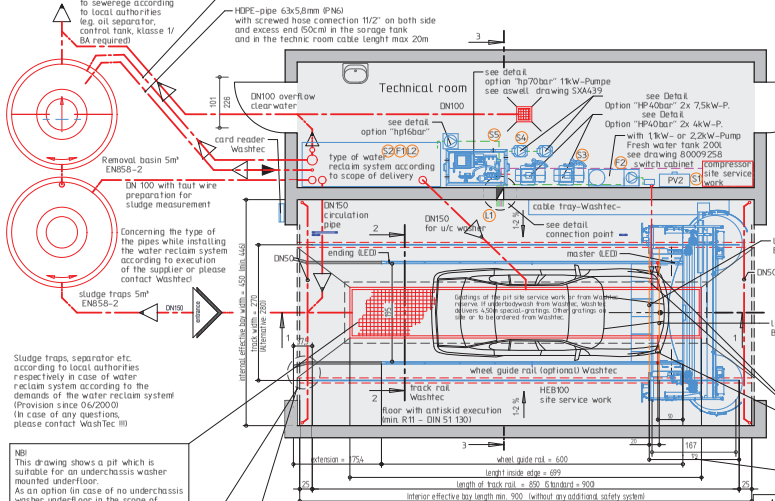
General informations roll over:

Generally

- "All measurements" in cm
- All described pipes and connections are site services which have to be installed according to the local regulations.
- This plan is not concerning any special project but have to be considered by the architect in his project plan
- ll measurements have to be considered in order to avoid additional costs
- In case of any special executions additional costs may arise
- The local situation has to be discussed with the head of the installation team of WashTec
- Subject to change
- For work safety protection measure (Labour Inspectorate) a washbasin should be scheduled with in the equipment room.

Ground plate

- The wash hall as well as the technical room have to be ventilated and illuminated according to the local regulations.
- A sufficient ventilation of washbay and equipment room is necessary
- The wash hall and the technical room have to be free of frost
- All pipes inside and outside the building have to be free of frost
- In the "working area" of the roll over machine, that is internal length of hall x min. internal height of hall x width of machine, all measurements have to be considered. Take care with the construction of the doors, the heating, etc.
- In the "working area" of the roll over machine a distance of min. 0,50m have to be up to a height of 2,00m between the machine and any "hard" components (see also local regulations !!)
- Use anti–skid treatment for the floor(min. R11– DIN 51 130)
- Take care in the wash bay as well as in the equipment room for corrosion protection especially for steel beams, door fittings and radiator / fan
- wall/ floor / steel supports have to be corrosion – resistant and resistant to wash chemicals!
- The floor has to be impervious to fluids
- All building equipments, which are in touch with chemical, must be resitent from pH0 – pH14.



NB!
This drawing shows a pit which is suitable for an underchassis washer mounted underfloor.
As an option (in case of no underchassis washer underfloor in the scope of delivery) a simple drain in the middle of the wash bay could be realized by site.

Sludge traps, separator etc. according to local authorities respectively in case of water reclaim system according to the demands of the water reclaim system! (Provision since 06/2000) (In case of any questions, please contact WashTec !!!)

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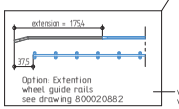
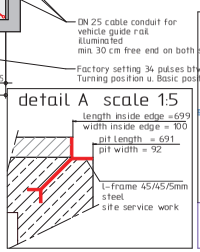
interior effective bay length with roof splash protection–standard without bay e
interior effective bay length with roof splash protection–extension from 30cms u
splash protection extension are individual adjustable!
with option longer wheel guid rail (SXA647), the internal length of the wash bay
approx.15 cm

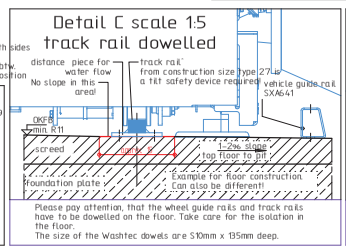


wheel guide rail standard (2x3m) = SXA641
wheel guide rail standard with 1754m extension = SXA647

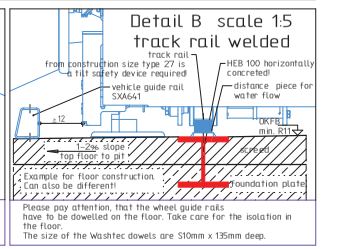


DN 25 cable conduit for vehicle guide rail illuminated
min. 30 cm free end on both sides

Factory setting 34 pulses b/w Turning position u. Basic position

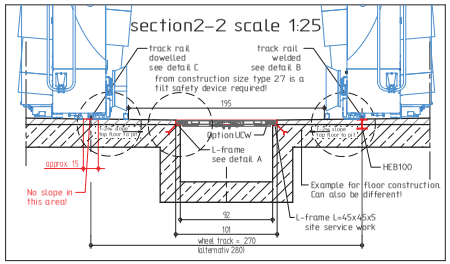


Please pay attention, that the wheel guide rails and track rails have to be dowelled on the floor. Take care for the isolation in the floor.
The size of the Washtec dowels are 510mm x 135mm deep.



Please pay attention, that the wheel guide rails and track rails have to be dowelled on the floor. Take care for the isolation in the floor.
The size of the Washtec dowels are 510mm x 135mm deep.

section2–2 scale 1:25



Main connections (current / water / air)

Current (site service work)
fuses according to local regulations Owing to the FC–operation for RCD–application the model "AC/DC sensitive

S1 main switch " Softcare Primo"
(switch cabinet PV1 in technic room)
3m free cable

BG22–BG28 400V,50Hz,35A; 5x6 mm², connection power approx 15Kw
BG29 400V,50Hz,50A; 5x10 mm², connection power approx 19Kw
The line–cross–section indicated in the drawing is to be seen as a minimum requirement and must to be adapted by the local electrical scaffolding according to the local situation and cable lenght.
With the switch cabinet PV1 even the pumps (max. 16,5KW) of the machine can be supliedIn this case a connection with 63 A, 5i6 mm² at the switch cabinet PV1 is necessary.

case of an accumulated pump connection of more than 5KW, the highest pump conection has to be connected external/ autarkic. Please contact Washtec!

S2 water recycling/ water reclaim system:
connection naccording to the kind of water reclaim system
Please contact Washtec!

S3 HP–Pump 2x4 Kw
2x 4Kw, 4,00V, 50Hz, 20A, 2x5x2,5 mm²
1,5 m. freecable

S4 HP–Pump 2x7,5 Kw
2x 7,5Kw,(15Kw) 400V, 50Hz; 2x25A, 2x5x4 mm²
1,5 m. freecable

S5 HP–Pump 11 Kw
11Kw, 400V, 50Hz; 35A slow fuse, 5x6 mm²
INB!! S3 ist only necessary if the connection S1 is not high enough to supply this pump)

fresh water (site service work):
all connections with manual valves and with connections for tubes.

F1 water reclaim system: 1" / approx. 4 bar

F2 fresh water tank: 1" / approx. 4 bar

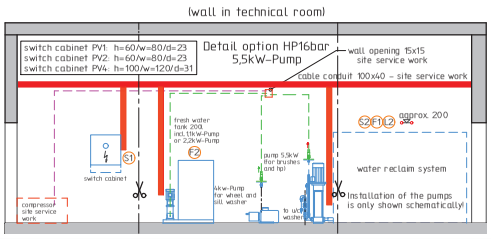
air (site service work)
all connections with manual valves and with connections for tubes.

L1 connection point: R1/4" 6–8 bar, 250l/min

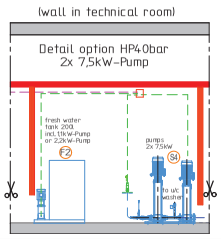
L2 water reclaim system: R1/2" 6 bar

NB!!
All water pipes between pumps and connection point of machine as well as the cable pipes/conduits are site services.

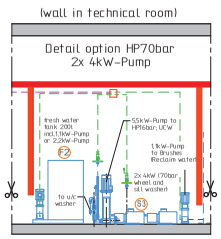
(wall in technical room)



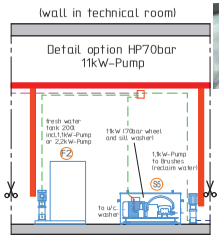
(wall in technical room)



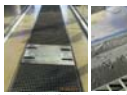
(wall in technical room)



(wall in technical room)



Running rail welded with vehicle guide rail SXA643



P1 with UEW

Angle frame in the pit

Running rail welded with vehicle guide rail SXA641

NB!!
Grounded pipes are only shown schematically. Are to be supplied by the customer in the equipment room and storage room in short–term operation.
All underground lines to be laid shallower as required by the local authorities.
Cable protection for pulling cables is wires max. 30° bends – otherwise work–

All ground pipes with 1 – 2% slope

= Slope of the pipe and water flow is equal

= Slope of the pipe and water flow opposite

slope of the pipe / water flow

blue = To be supplied by WashTec

red = To be supplied by the customer
ok ground pipes, sludge traps and so on, angle steel frame of the conveyor belt system, cable conduit in the technic room

green = To be supplied by the customer
installation pipes and frost protection pipes

orange =to be supplied by the customer
main connections like electricity, water, air

violett =to be supplied by the customer
main connections like air

HINWEIS !

This drawing is only made for planning support purposes. The construction must be done according to the drawings of the local site management!

WashTec
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Argonstraße 7, D–86153 Augsburg
Tel.+49–(0)821/5584–0
Fax.+49–(0)821/5584–1610

project: Standardzeichnungen Portalanlagen standard drawings roll over

description: Softcare Primo / wheel track 270 installation plan

machine number:
order number:
date: 30.06.14
drawn: HBray
release - name: MEngelgt
date: 30.06.14
release - date: 14.02.17
PROJECT - NO.: PRO
DRAWING - NO.: SC_PRI_270GB
SERIAL: A11
PROJECT - NO.: 1754602
SHEET - NO.: 1
SHEETS: 1
PAGE: 1 - 1
1024.54

nr. modification date name

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