Document Title: **Description**	Function Group: **000**	Information Type: **Service Information**	Date: **4/29/2026**
Profile: **P2820D Volvo PID:12826281**			

Description

Showing Selected Profile

Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
P2820D Volvo PID:12826281			

The machine is designed for application of all types of graded asphalt aggregates, hydraulically bonded graded aggregates, graded ballast, sand or gravel.
The engine is a four-cylinder, four-stroke, in-line diesel engine with direct injection and water cooling.

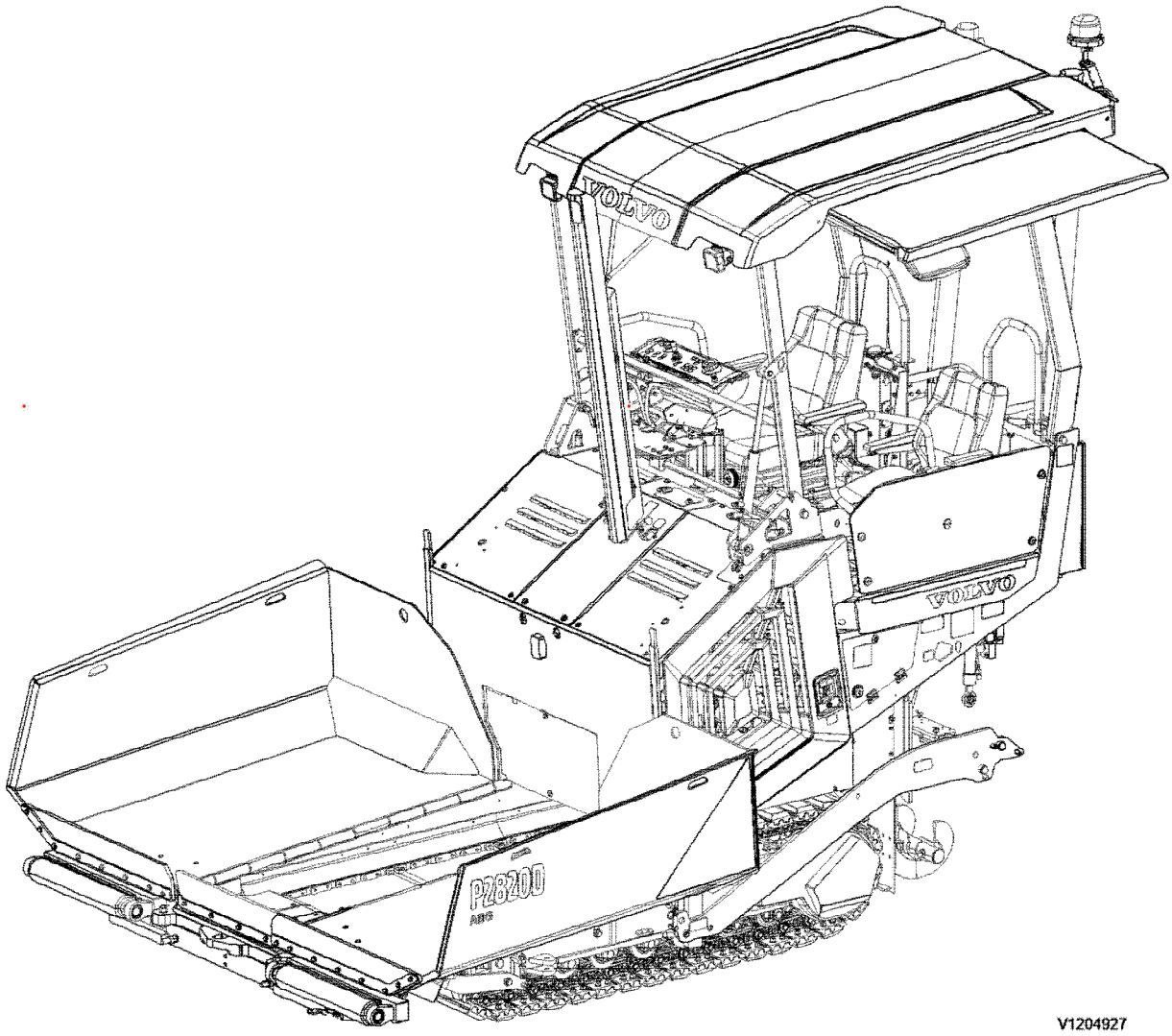

Figure 1
General View

Document Title: **Standard tightening torques**	Function Group: **030**	Information Type: **Service Information**	Date: **4/29/2026**
Profile: **P2820D Volvo PID:12826281**			

Standard tightening torques

Showing Selected Profile

Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
P2820D Volvo PID:12826281			

Tightening torques in the following tables refer to bolted joints with tensile strength according to the below. The tables should be regarded as general guidelines for tightening bolted joints where nothing else is specified.

NOTE!
Increase the values by 10% for flange bolt type U6FS. Bolts and nuts should be clean and lubricated with oil.

Surface coating		**Coefficient of friction**
Non-electrolytic zinc plate coatings	ISO10683-FLZN/ZN/TL/480	0.08
	ISO10683-FLZN/ZN/TL/720	
	(ISO10683) Geomet 500A	0.12
Yellowish iridescent	ISO4042-A2C	
Electrolytic coating	ASTMF 1941 Fe/Zn5ANS	0.24

		Coefficient of friction					
		0.08		**0.12**		**0.24**	
Dimensions	**Strength classes**	**Tightening torque (Nm)**	**Tightening torques: (lbf ft)**	**Tightening torque (Nm)**	**Tightening torques: (lbf ft)**	**Tightening torque (Nm)**	**Tightening torques: (lbf ft)**
M4	8.8	2.3	1.7	3	2.21	3.8	2.8
	10.9	3.3	2.43	4.6	3.39	5.5	4.06
	12.9	3.9	2.87	5.1	3.76	6.5	4.79
M5	8.8	4.4	3.24	5.9	4.35	7.5	5.53
	10.9	6.5	4.79	8.6	6.34	11	8.11
	12.9	7.6	5.61	10	7.37	12.9	9.51
M6	8.8	7.7	5.67	10.1	7.44	13	9.59
	10.9	11.3	8.33	14.9	10.98	19.1	14.09
	12.9	13.2	9.73	17.4	12.83	22.3	16.45
M7	8.8	12.6	9.29	16.8	12.39	21.8	16.08
	10.9	18.5	13.64	24.7	18.21	32	23.6
	12.9	21.6	15.93	28.9	21.31	37.5	27.66
M8	8.8	18.5	13.64	24.6	18.14	31.7	23.38
	10.9	27.2	20.06	36.1	26.62	46.4	34.22
	12.9	31.8	23.45	42.2	31.12	54.4	40.12
M10	8.8	36	26.55	48	35.4	62.8	46.32
	10.9	53	39.09	71	52.36	92.3	68.08

	12.9	62	45.72	83	61.21	107	78.92
M12	8.8	63	46.46	84	61.95	108	79.66
	10.9	92	67.85	123	90.72	158.8	117.12
	12.9	108	79.65	144	106.20	185.5	136.82
M14	8.8	100	73.75	133	98.09	172.6	127.3
	10.9	146	107.68	195	143.82	252.9	186.53
	12.9	171	126.12	229	168.90	296.3	218.54
M16	8.8	153	112.84	206	151.93	268.6	198.11
	10.9	224	165.21	302	222.74	395.1	291.41
	12.9	262	193.24	354	261.09	462.5	341.12
M18	8.8	220	162.26	295	217.58	383.1	282.56
	10.9	314	231.59	421	310.51	546.5	403.08
	12.9	367	270.68	492	362.88	638.8	471.15
M20	8.8	308	227.16	415	306.08	542.8	400.35
	10.9	438	323.05	592	436.63	773.5	570.5
	12.9	513	378.36	692	510.39	904.6	667.2
M22	8.8	417	307.56	567	418.19	745.8	550.07
	10.9	595	438.84	807	595.21	1062.5	783.66
	12.9	696	513.34	945	696.99	1243.4	917.08
M24	8.8	529	390.17	714	526.61	933.2	688.29
	10.9	754	556.12	1017	750.1	1329.2	980.37
	12.9	882	650.52	1190	877.69	1555.4	1147.2
M27	8.8	772	569.39	1050	774.44	1382.8	1019.9
	10.9	1100	811.31	1496	1103.39	1969.8	1452.85
	12.9	1287	949.24	1750	1290.73	2304.9	1700
M30	8.8	1053	776.65	1428	1053.23	2090.8	1542.09
	10.9	1500	1106.34	2033	1499.46	2670.5	1969.66
	12.9	1755	1294.42	2380	1755.39	3125.5	2305.25

UNC threads, coarse pitch	**Nm**	**lbf ft**
1/4"	9 ±2	6.6 ±1.5
5/16"	18 ±4	13 ±3.0
3/8"	33 ±8	24 ±5.9
7/16"	54 ±14	40 ±10
1/2"	80 ±20	59 ±15
9/16"	120 ±30	89 ±22
5/8"	170 ±40	130 ±30
3/4"	300 ±70	220 ±52
7/8"	485 ±115	360 ±85
1"	725 ±175	530 ±130

Document Title: **Component locations**	Function Group: **030**	Information Type: **Service Information**	Date: **4/29/2026**
Profile: **P2820D Volvo PID:12826281**			

Component locations

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Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
P2820D Volvo PID:12826281			

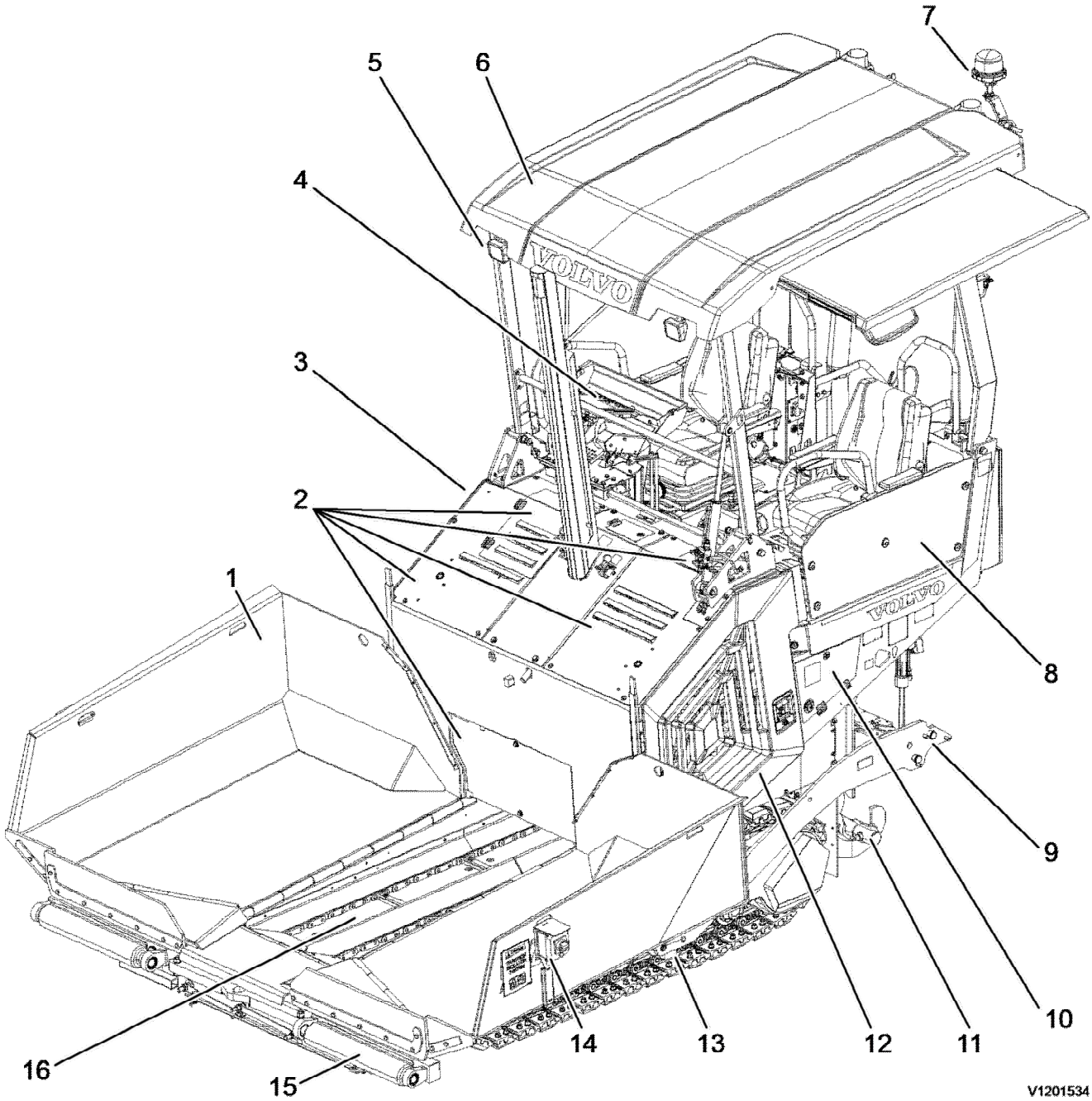


Figure 1
Overview 1

Position	Description		Position	Description		Position	Description
1	Hopper		7	Rotating beacon		13	Track unit
2	Service plates		8	Swing-out operator platform		14	Travel drive disconnect switch
3	Right service door		9	Towing arms		15	Push rollers
4	Main control unit		10	Left deck plate, battery disconnect switch		16	Conveyor
5	Working lights		11	Auger			
6	All-weather roof		12	Left service door			

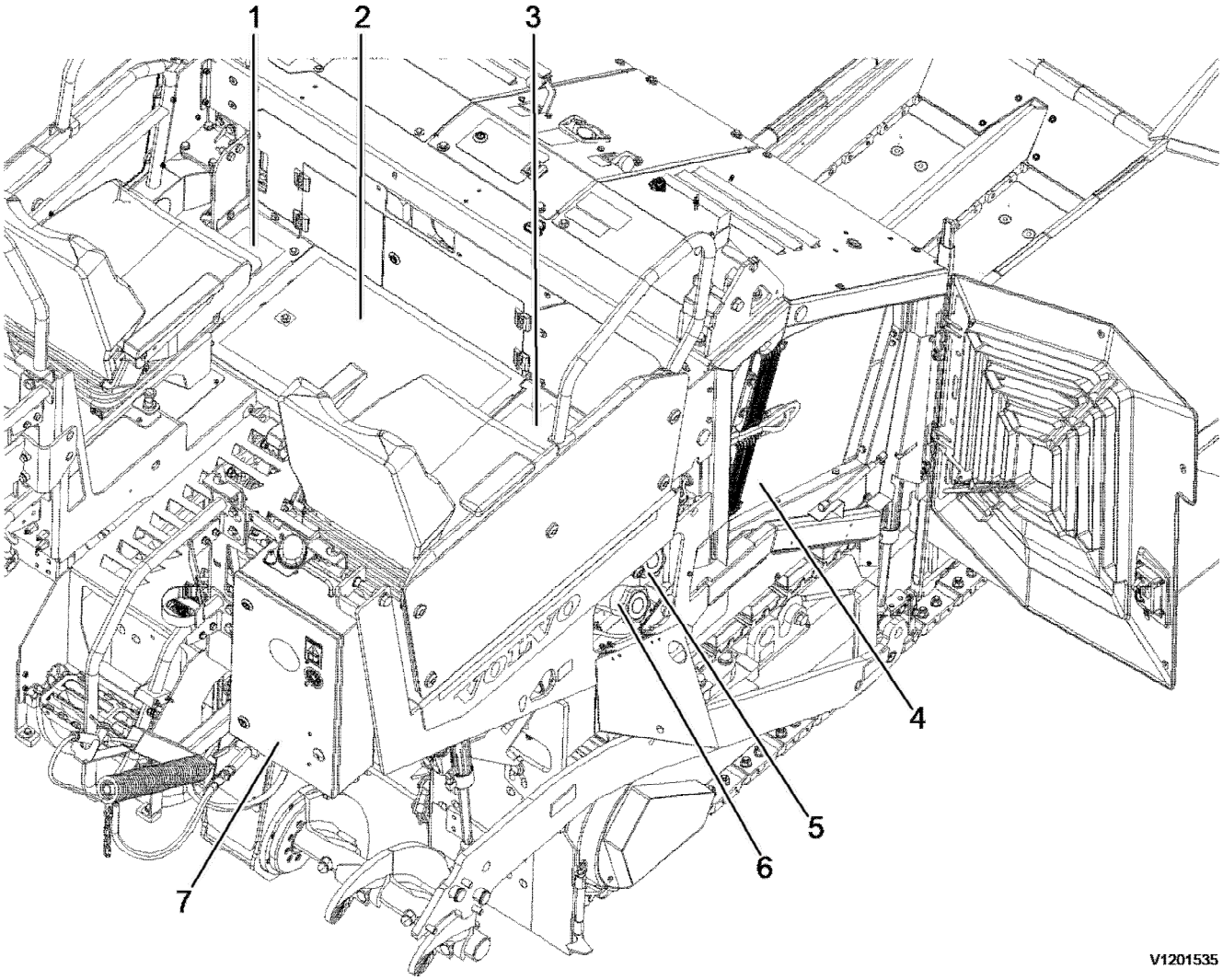


Figure 2
Overview 2

Position	Description		Position	Description

1	Left floor service plate		5	Fuel tank filler neck
2	Floor service hatch		6	Emulsion tank filler neck
3	Right floor service plate		7	Main distributor switch cabinet
4	Combi cooler (cooling package)			

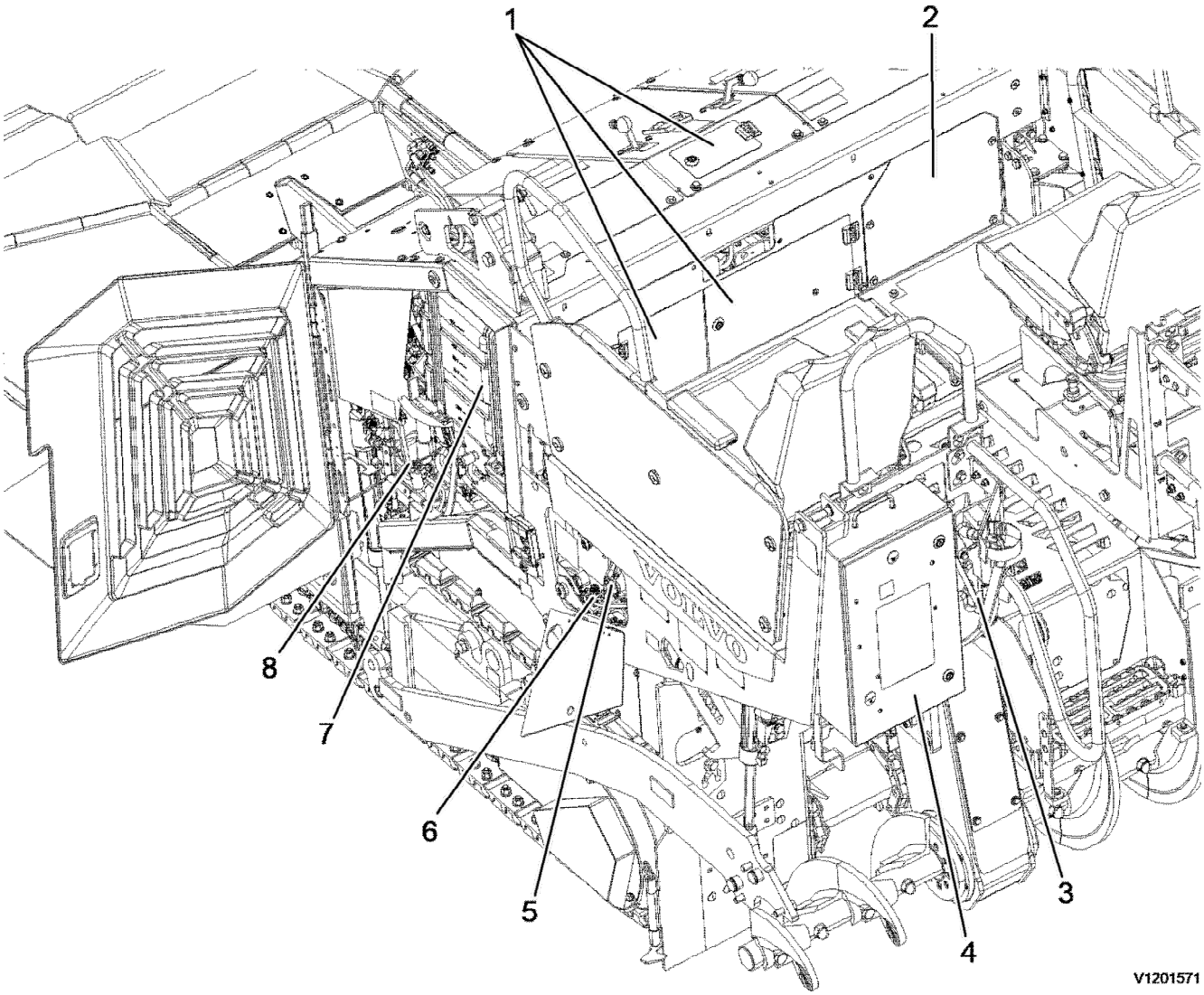


Figure 3
Overview 3

Position	Description		Position	Description
1	Service hatches		5	Battery disconnect switch
2	Service plate		6	Electric all-weather roof pump (option)
3	Hydraulic all-weather roof pump		7	Hydraulic oil tank
4	Storage cabinet		8	Pump group with pump gearbox

Document Title: **Machine weights**	Function Group: **030**	Information Type: **Service Information**	Date: **4/29/2026**
Profile: **P2820D Volvo PID:12826281**			

Machine weights

Showing Selected Profile

Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
P2820D Volvo PID:12826281			

Machine weight	**7950 kg (17527 lb)**

The machine weight is stated under the following conditions:

- Without screed
- With standard hopper
- Fuel tank half full
- Operator's weight 75 kg

Document Title: **Dimensions**	Function Group: **030**	Information Type: **Service Information**	Date: **4/29/2026**
Profile: **P2820D Volvo PID:12826281**			

Dimensions

Showing Selected Profile

Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
P2820D Volvo PID:12826281			

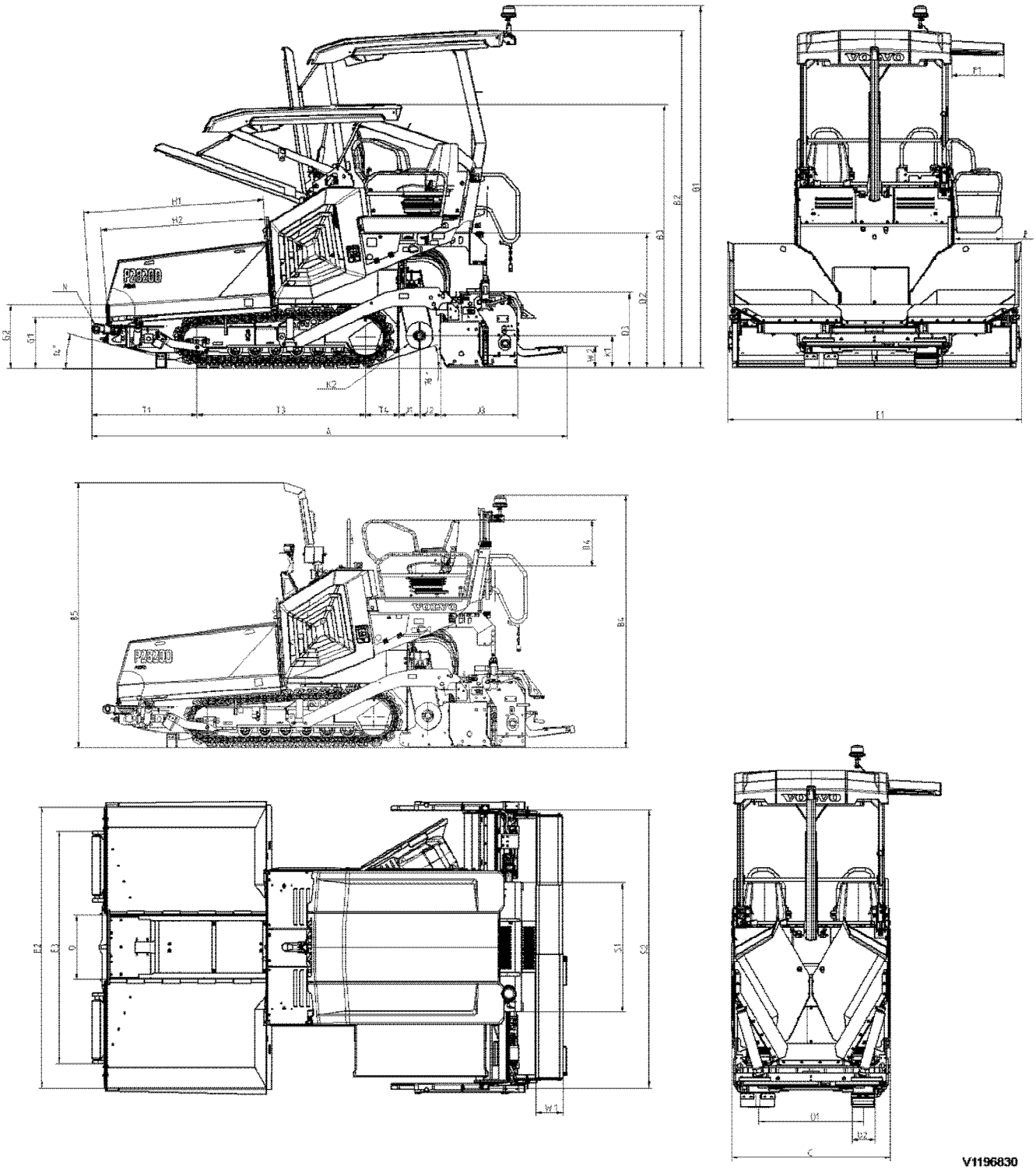


Figure 1
Dimensions, drawing

Pos.	Dimension	Designation	Remark
A	5241 mm (206 in)	Operating length	with walkway down front cross beam in rear position
	5341 mm (210 in)		with walkway down front cross beam in front position
B1	3995 mm (157 in)	Operating height	highest point of either exhaust, beacon of weather

			roof
B2	3720 mm (147 in)	Height weather roof	height top of weather roof
B3	2899 mm (114 in)	Shipping height	highest point with weather roof down
B4	2808 mm (111 in)	Shipping height	highest point without weather roof if exhaust pipe is hinged down
B5	2947 mm (116 in)	Operating height	highest point without weather roof if exhaust pipe is hinged up
C	1740 mm (69 in)	Tractor width	transport width of the tractor unit
D1	2523 mm (99 in)	Height railing	highest point without weather roof, often seat railing or paving panel from ground
D2	1493 mm (59 in)	Deck height	height of platform to ground
D3	877 mm (35 in)	Screed height	
D4	539 mm (21 in)	Distance of seat ground to upper hand rail	
E1	3240 mm (128 in)	Outer hopper width	
E2	3103 mm (122 in)	Inner hopper width	
E3	2559 mm (101 in)	Width oscillating beam	width of oscillating beam with push rollers down
F1	580 mm (23 in)	Extension weather roof	
F2	542 mm (21 in)	Seat console extension	distance
G1	552 mm (22 in)	Inner loading height	height to lowest point without rubber guard
G2	701 mm (28 in)	Outer loading height	height to lowest point on hopper wings with rubber guard
H1	1985 mm (78 in)	Hopper length to push roller	distance from rear wall to front cover
H2	1805 mm (71 in)	Hopper length	distance from rear wall to front of hopper wing
J1	225 mm (9 in)	Distance rear wall auger centre	
J2	230 mm (9 in)	Distance auger centre screed	
J3	850 mm (34 in)	Screed depth	front wall screed to rear wall without walkway
K1	350–90 mm (14–4 in)	Auger height to Ground (Centre)	position adjustment
K2	300 mm (12 in)	Diameter auger	centre auger only
L	145 mm (6 in)	Ground clearance	lowest point either front or tow point or rear
N	110 mm (4 in)	Diameter push roller	
O	710 mm (28 in)	Conveyor width	
S1	1.5 m (59 in)	Basic screed width VB30	without end gates
	1.8 m (71 in)	Basic screed width VB40	
S2	3.0 m (118 in)	Extended screed width VB30	without end gates
	3.5 m (138 in)	Extended screed width VB40	
T1	1161 mm (46 in)	Front track to push roller	distance centre front track to front of push roller

T3	1854 mm (73 in)	Track length	centre position for track tensioner
T4	589 mm (23 in)	Track distance to rear wall	centre track drive to rear wall
U1	1410 mm (56 in)	Track gauge	tracks centre to centre
U2	260 mm (10 in)	Track pad width	widest
W1	300 mm (12 in)	Width of walkway	distance rear of screed to end of walkway
W2	295 mm (12 in)	Height of walkway	height from ground, screed down

Document Title: **Conversion tables**	Function Group: **030**	Information Type: **Service Information**	Date: **4/29/2026**
Profile: **P2820D Volvo PID:12826281**			

Conversion tables

Showing Selected Profile

Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
P2820D Volvo PID:12826281			

Length

Unit	**cm**	**m**	**km**	**in**	**ft**	**yd**	**mile**
cm	1	0.01	0.00001	0.3937	0.03281	0.01094	0.000006
m	100	1	0.001	39.37	3.2808	1.0936	0.00062
km	100000	1000	1	39370.7	3280.8	1093.6	0.62137
in	2.54	0.0254	0.000025	1	0.08333	0.02777	0.000015
ft	30.48	0.3048	0.000304	12	1	0.3333	0.000189
yd	91.44	0.9144	0.000914	36	3	1	0.000568
mile	160930	1609.3	1.6093	63360	5280	1760	1
1 mm = 0.1 cm - 1 mm = 0.001 mm							

Area

Unit	**cm^2**	**m^2**	**km^2**	**a**	**ft^2**	**yd^2**	**in^2**
cm^2	1	0.0001	-	0.000001	0.001076	0.000012	0.155000
m^2	10000	1	0.000001	0.01	10.764	1.1958	1550.000
km^2	-	1000000	1	10000	1076400	1195800	-
a	0.01	100	0.0001	1	1076.4	119.58	-
ft^2	-	0.092903	-	0.000929	1	0.1111	144.000
yd^2	-	0.83613	-	0.008361	9	1	1296.00
in^2	6.4516	0.000645	-	-	0.006943	0.000771	1
1 ha = 100 a - 1 $mile^2$ = 259 ha = 2.59 km^2							

Volume

Unit	**cm^3 = cc**	**m^3**	**l**	**in^3**	**ft^3**	**yd^3**
cm^3 = ml	1	0.000001	0.001	0.061024	0.000035	0.000001
m^3	1000000	1	1000	61024	35.315	1.30796
dm^3(l)	1000	0.001	1	61.024	0.035315	0.001308
in^3	16.387	0.000016	0.01638	1	0.000578	0.000021
ft^3	28316.8	0.028317	28.317	1728	1	0.03704
yd^3	764529.8	0.76453	764.53	46656	27	1
1 gal (US) = 3785.41 cm^3 = 231 in^3 = 0.83267 gal (UK)						

Weight

Unit	g	kg	t	oz	lb
g	1	0.001	0.000001	0.03527	0.0022
kg	1000	1	0.001	35.273	2.20459
t	1000000	1000	1	35273	2204.59
oz	28.3495	0.02835	0.000028	1	0.0625
lb	453.592	0.45359	0.000454	16	1
1 ton (metric) = 1.1023 ton (US) = 0.9842 ton (UK)					

Pressure

Unit	kp/cm^2	bar	$Pa=N/m^2$	kPa	lbf/in^2	lbf/ft^2
kp/cm^2	1	0.98067	98066.5	98.0665	14.2233	2048.16
bar	1.01972	1	100000	100	14.5037	2088.6
$Pa=N/m^2$	0.00001	0.001	1	0.001	0.00015	0.02086
kPa	0.01020	0.01	1000	1	0.14504	20.886
lbf/in^2	0.07032	0.0689	6894.76	6.89476	1	144
lbf/ft^2	0.00047	0.00047	47.88028	0.04788	0.00694	1
kg/cm^2 = 735.56 Dry (mmHg) = 0.96784 atm						

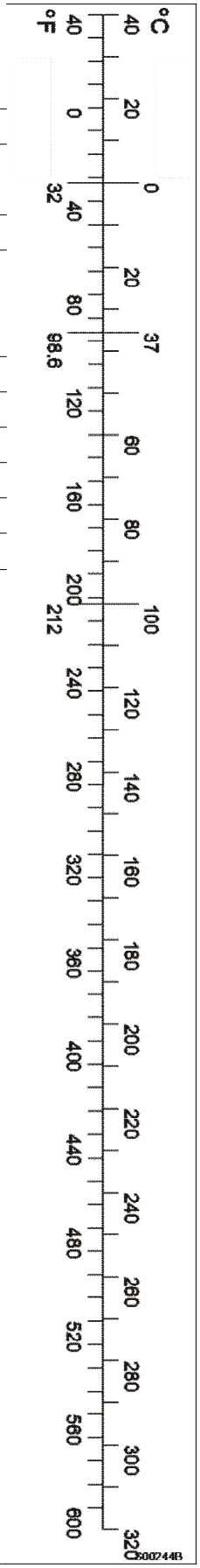
Unit explanations

Unit	abbreviation
Newton meter	Nm
Kilopoundmeter	kpm
Kilopascal	kPa
Megapascal	MPa
Kilowatt	kW
kilojoule	kJ
British thermal unit	Btu
Calorie	cal

Approx. conversion

SI unit	Conversion factor	Non SI	Conversion factor	SI
Torque				
Nm	x10.2	=kg/cm	x0.8664	=lb in
Nm	x0.74	=lbf·ft	x1.36	=Nm
Nm	x0.102	=kg/m	x7.22	=lbft
Pressure ($Pa = N/m^2$)				
kPa	x4.0	$=in.H_2O$	x0.249	=kPa
kPa	x0.30	=in.Hg	x3.38	=kPa
kPa	x0.145	=psi	x6.89	=kPa
bar	x14.5	=psi	x0.069	=bar
kp/cm^2	x14.22	=psi	x0.070	$=kp/cm^2$
N/mm^2	x145.04	=psi	x0.069	=bar
MPa	x145	=psi	x0.00689	=MPa
Power (W = J/s)				
kW	x1.36	=hp(cv)	x0.736	=kW

kW	x1.34	=bhp	x0.746	=kW
kW	x0.948	=Btu/s	x1.055	=kW
W	x0.74	=ft·lb/s	x1.36	=W
Energy (J = Nm)				
kJ	x0.948	=Btu	x1.055	=kJ
J	x0.239	=calorie	x4.19	=J
Speed and acceleration				
m/s^2	x3.28	=ft/s^2	x0.305	=m/s^2
m/s	x3.28	=ft/s	x0.305	=m/s
km/h	x0.62	=mph	x1.61	=km/h
Horsepower/torque				
Bhp x5252 rpm= TQ (lb·ft)			TQ x rpm 5252=bhp	
Temperature				
ºC =(ºF-32)/1.8			ºF =(ºC x1.8) +32	
Flow factor				
l/min (dm^3/min)	x0.264	= US gal/min x3.785		=liter/min



Document Title: **Loading**	Function Group: **050**	Information Type: **Service Information**	Date: **4/29/2026**
Profile: **P2820D Volvo PID:12826281**			

Loading

Showing Selected Profile

Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
P2820D Volvo PID:12826281			

Transport data

The given instructions for loading and securing the loaded machine are only valid if the following conditions are fulfilled:

Maximum machine weight		100000 N
Factor longitudinal to driving direction	**Braking**	0.8 (0.8)
	Accelerating	0.5 (0.5)
	Driving in curves	0.5 (0.5)
Friction angle γ (Steel with rubber)		24 ° (24°)
Friction coefficient μ		0.45 (0.45)
Loading platform surface		Wood or metal **No oil — No ice — No soil — No mud**

Load handling attachments and slings according to standard	EN 12195
Chain lashing capacity	13000 daN
Appropriate slings	textile lashing belt with protective cover or edging strip
Standard chain tension force for one chain	depending on the lashing method, page Tying down machine

Document Title:	Function Group:	Information Type:	Date:
Tying down machine	**050**	**Service Information**	**4/29/2026**
Profile: **P2820D Volvo PID:12826281**			

Tying down machine

Showing Selected Profile

Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
P2820D Volvo PID:12826281			

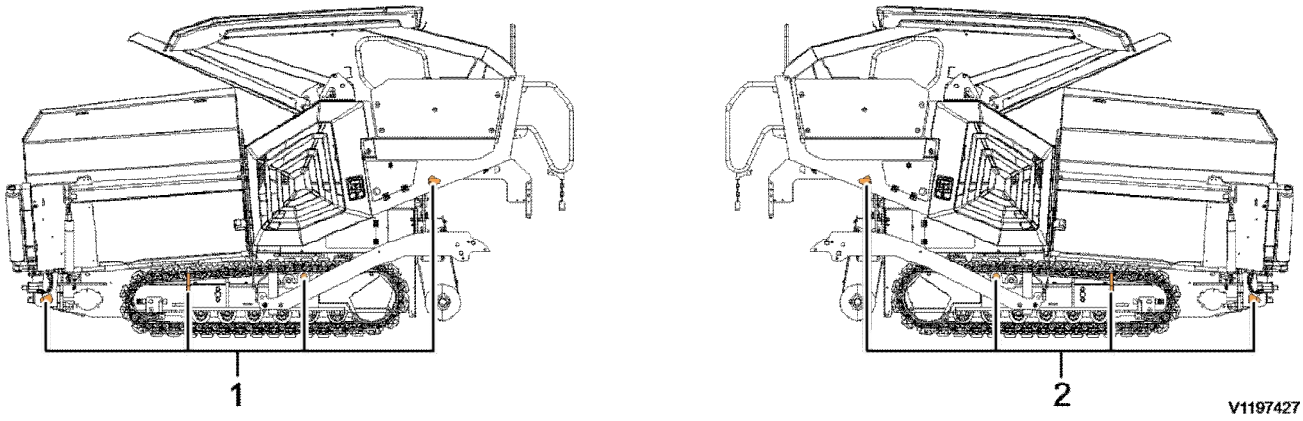


Figure 1
Lashing points

1. Machine lashing points, left
2. Machine lashing points, right

1. From the following lashing methods, select the one that is best suited to your situation.
2. Select suitable load handling attachments, see also page Loading.
3. Lash the machine according to the lashing method selected so that the machine cannot tip over or roll away. The positions of all lashing eyes and lifting points can be found on page International decals.

Lashing method 1

APPLY Chain tension STF	**min. 2500 daN**

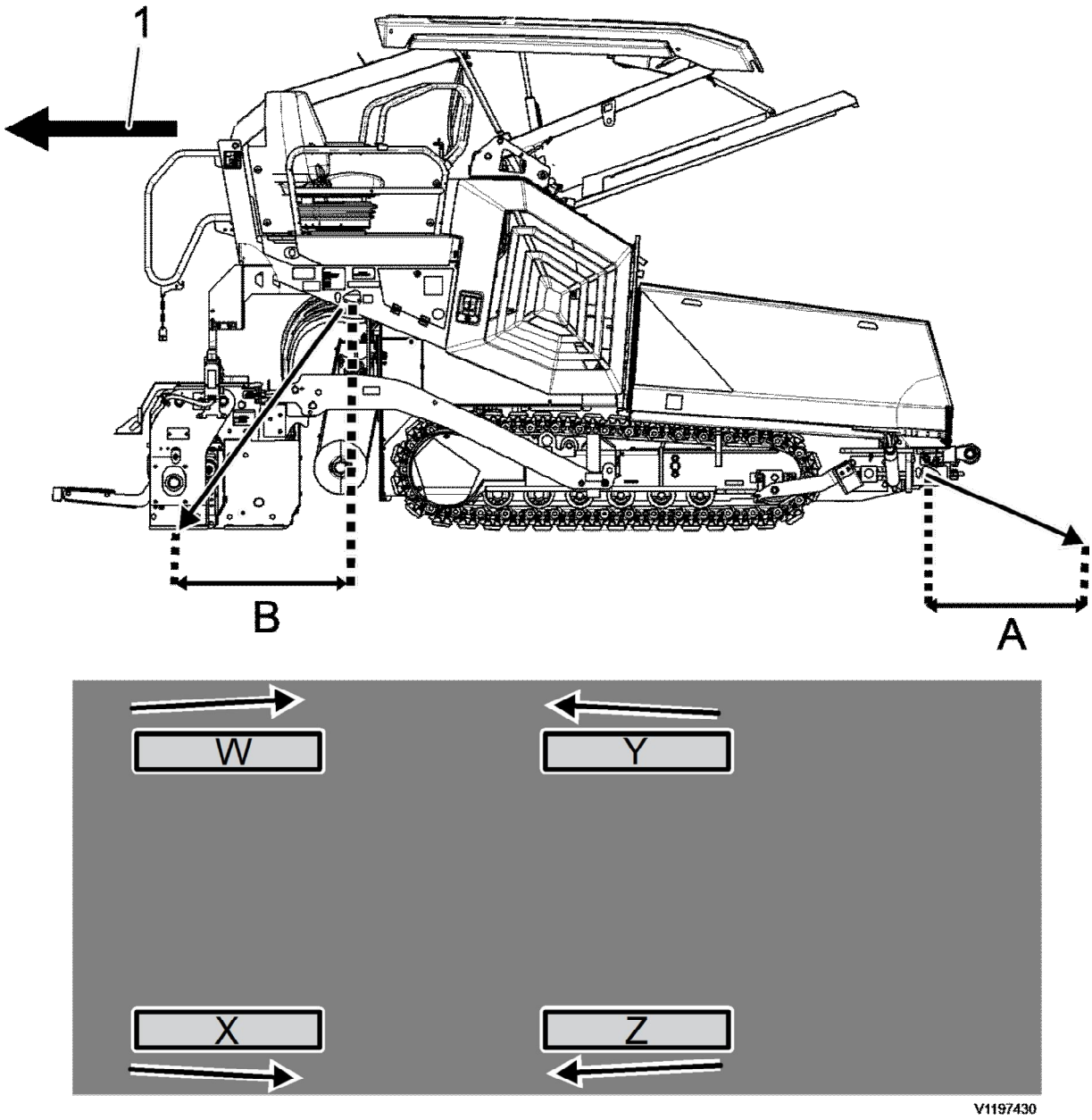


Figure 2
Lashing method 1

1. Loading direction

Distance between lashing point and projected tie-down point			**Standard Tension Force (STF)**	
A	1 m - 3 m		W	2500 daN
			X	
B	1 m - 3 m		Y	
			Z	

Document Title: **Transporting the machine under its own power**	Function Group: **050**	Information Type: **Service Information**	Date: **4/29/2026**
Profile: **P2820D Volvo PID:12826281**			

Transporting the machine under its own power

Showing Selected Profile

Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
P2820D Volvo PID:12826281			

WARNING

Risk of serious injury.

The machine could tilt while loading on to or unloading from the transporter. Tilting of the machine will cause the operator to fall off which could result in serious injury.

Ensure to approach the loading ramps squarely. Always use a signal person to assist while loading or unloading the machine.

1. Raise the all-weather roof. Lock the all-weather roof support.
2. Remove all loose objects from the machine.
3. Raise the augers to their highest position.
4. Fold up the road scraper clearer.
5. Close and lock the hopper.
6. Lock the direction indicator.
7. Dismantle all screed attachments, see the operator's manual for the screed.
8. Lock the swivelling arms.
9. Raise the screed into transport position and lock the screed transport lock.
10. Secure and mark the machine in accordance with local regulations.

Document Title: **Loading the machine under its own power**	Function Group: **050**	Information Type: **Service Information**	Date: **4/29/2026**
Profile: **P2820D Volvo PID:12826281**			

Loading the machine under its own power

Showing Selected Profile

Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
P2820D Volvo PID:12826281			

WARNING

Risk of serious injury.

The machine could tilt while loading on to or unloading from the transporter. Tilting of the machine will cause the operator to fall off which could result in serious injury.

Ensure to approach the loading ramps squarely. Always use a signal person to assist while loading or unloading the machine.

1. Choose a level and firm area where the transport vehicle can stand safely.
2. Secure the transport vehicle against rolling.
3. Clean the loading platform and loading ramp of the transport vehicle.
4. Fold up the road scraper.
5. Raise the all-weather roof. Lock the all-weather roof support.
6. Remove any loose items from the machine.
7. Lock the swivelling arm.
8. Start the engine.
9. Close and lock the hopper.
10. Raise the auger to the top position.
11. Lower the tow points as much as possible.
    Raise the screed to the transport position and lock it with the screed transport lock.
12. Drive straight onto the loading ramps of the transport vehicle so that the machine cannot slip sideways from the ramp.
13. **Reverse** the machine onto the transport vehicle.
14. Drive the machine straight onto the transport vehicle.
15. Lower the screed to the loading platform of the transport vehicle.
16. Stop the engine.
17. Remove and stow the paving panel and the screed panels.
18. Secure the driving panel against vandalism.
19. Lower the all-weather roof. Lock the all-weather roof support.
20. Switch off the battery disconnect switch.
21. Secure the machine on the transport vehicle; see page Tying down machine.

Document Title: **Loading the machine with crane**	Function Group: **050**	Information Type: **Service Information**	Date: **4/29/2026**
Profile: **P2820D Volvo PID:12826281**			

Loading the machine with crane

Showing Selected Profile

Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
P2820D Volvo PID:12826281			

DANGER

Risk of crushing.

A suspended machine could fall. A falling machine will cause fatal injury to persons below.

Never step under a suspended machine.

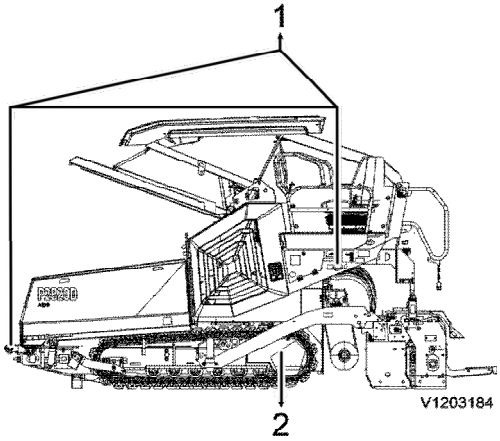


Figure 1
Loading with a crane

1. Suspension point
2. Centre of gravity

Figure 2
Point for lifting

1. Select an even, firm base on which the transport vehicle and crane can stand securely.
2. Select the crane, transport vehicle and lifting tool according to the weight of the machine and the lifting conditions.
3. Remove the screed end plates and all screed attachments, see the operator's manual for the screed.
4. Start the engine.
5. Lower the screed to the ground.

6. Close and lock the hopper.
7. Stop the engine.
8. Remove and stow the paving panel and screed panels.
9. Secure the driving panel to prevent vandalism.
10. Remove all loose objects from the machine.
11. Lower the all-weather roof. Lock the all-weather roof support.
12. Switch off the battery disconnect switch.
13. Position the crane with traverse close to the machine.
    Get a second person to help when positioning the crane and loading the machine.
14. **Use a traverse.**
    The rear support of the traverse must be wide enough to allow the lifting slings to point outwards at an angle of approx. 5° when viewed from behind. This prevents damage to the machine.
    Attach the lifting slings to the lifting points marked with the "Lifting point" sticker.
15. Balance the machine around its the centre of gravity (2).
16. After attaching the lifting slings, the suspension point (1) of the load must be brought into the vertical position above the centre of gravity of the machine.
    The centre of gravity (2) is dependent on the screed fitted. In principle, the centre of gravity of the machine with the screed fitted is between the 1st and 2nd rollers in front of the drive gear sprocket of the travelling gear.
17. Safely lash the machine on the transport vehicle.

Document Title: **Operation numbers for additional work**	Function Group: **070**	Information Type: **Service Information**	Date: **4/29/2026**
Profile: **Tracked Pavers (PAT)**			

Operation numbers for additional work

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These operations can be used to identify work that is not included in the time guide or described in the methods in the Service Manual. When these operations are used, a description of the work that has been performed must be provided.

Other work related to engine
Op. no. 070-210
This operation can be used when work has been done related to the engine and function group 2 when no applicable method description was available. When this operation is used, additional information is required:

- Description of work that has been done

Other work related to electrical system
Op. no. 070-310
This operation can be used when work has been done related to the electrical system and function group 3 when no applicable method description was available. When this operation is used, additional information is required:

- Description of work that has been done

Other work related to transmission, gearbox, travel motor, swing motor
Op. no. 070-410
This operation can be used when work has been done related to the transmission, gearbox, travel motor or swing motor and function group 4 when no applicable method description was available. Hhen this operation is used, additional information is required:

- Description of work that has been done

Other work related to drive axle
Op. no. 070-470
This operation can be used when work has been done related to the drive axle and function group 46 when no applicable method description was available. When this operation is used, additional information is required:

- Description of required work that have been done

Other work related to brake system
Op. no. 070-510
This operation can be used when work has been done related to the brake system and function group 5 when no applicable

method description was available. When this operation is used, additional information is required:

- Description of work that has been done

Other work related to steering system
Op. no. 070-610
This operation can be used when work has been done related to the steering system and function group 6 when no applicable method description was available. When this operation is used, additional information is required:

- Description of work that has been done

Other work related to frame link, axle suspension
Op. no. 070-710
This operation can be used when work has been done related to the frame link, axle suspension and other parts related to function group 7 when no applicable method description was available. When this operation is used, additional information is required:

- Description of work that has been done

Other work related to cab, air conditioning
Op. no. 070-810
This operation can be used when work has been done related to the cab, air conditioning and other parts related to function group 8 when no applicable method description was available. When this operation is used, additional information is required:

- Description of work that has been done

Other work related to hydraulic system
Op. no. 070-910
This operation can be used when work has been done related to the hydraulic system and other parts related to function group 9 when no applicable method description was available. When this operation is used, additional information is required:

- Description of work that has been done

Document Title: **E-7006**	Function Group: **080**	Information Type: **Service Information**	Date: **4/29/2026**
Profile: **P2820D Volvo PID:12826281**			

E-7006

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Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
P2820D Volvo PID:12826281			

All dimensions in mm.

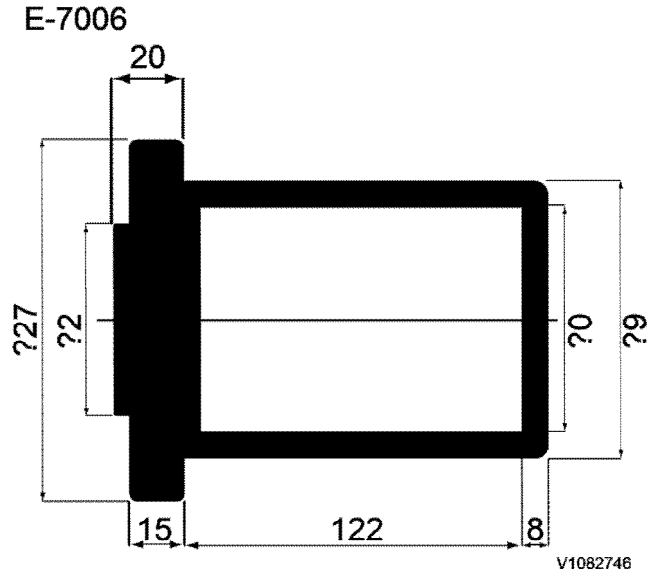

Figure 1
E-7006 Drift
Material: S355 JR or better.

Document Title: **E-7009**	Function Group: **080**	Information Type: **Service Information**	Date: **4/29/2026**
Profile: **P2820D Volvo PID:12826281**			

E-7009

Showing Selected Profile

Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
P2820D Volvo PID:12826281			

All dimensions in mm.

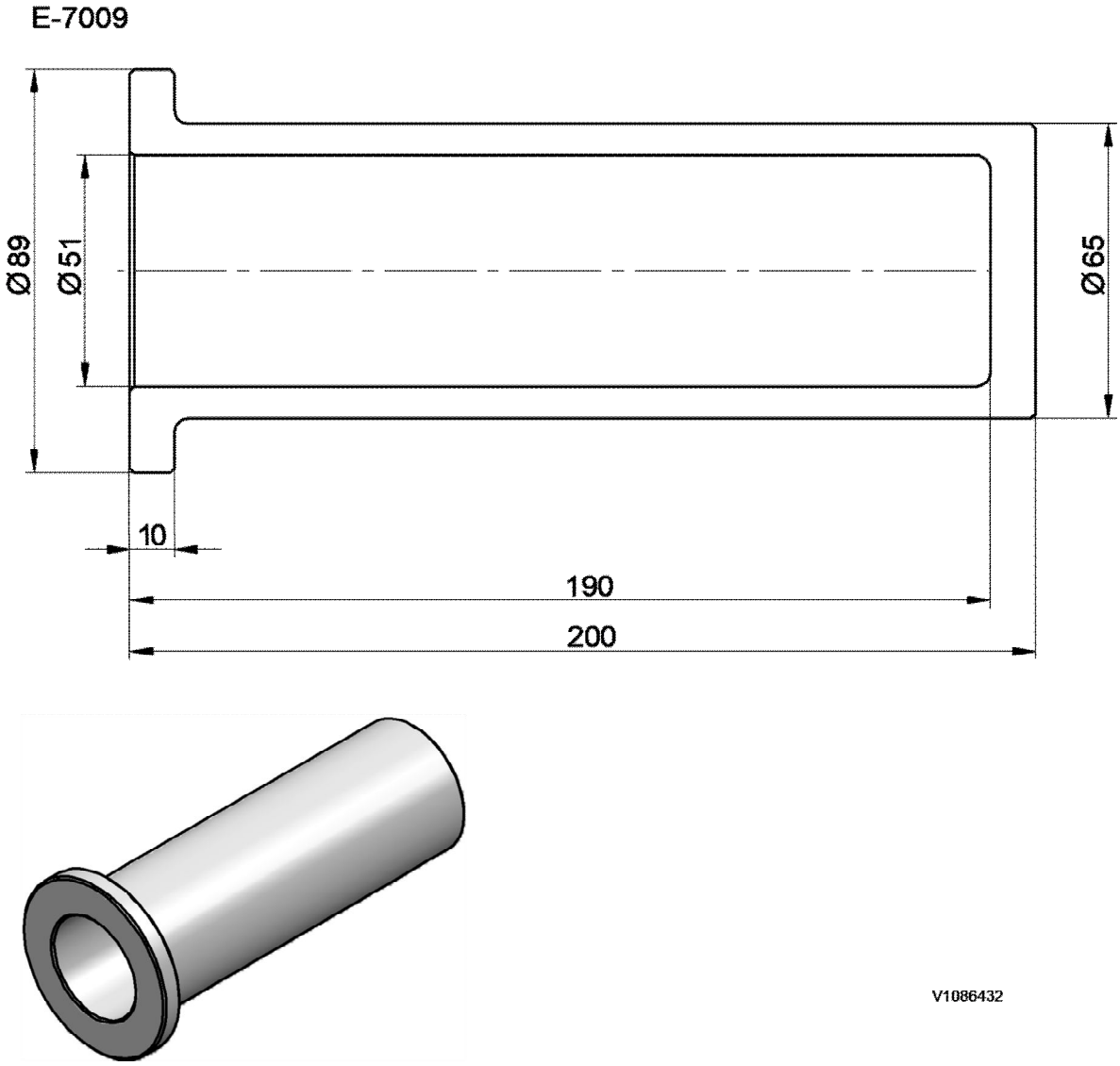

Figure 1
E-7009 Drift
Material: S355 JR or better.

Document Title:	Function Group:	Information Type:	Date:
E-4503	**080**	**Service Information**	**4/29/2026**
Profile: **P2820D Volvo PID:12826281**			

E-4503

Showing Selected Profile

Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
P2820D Volvo PID:12826281			

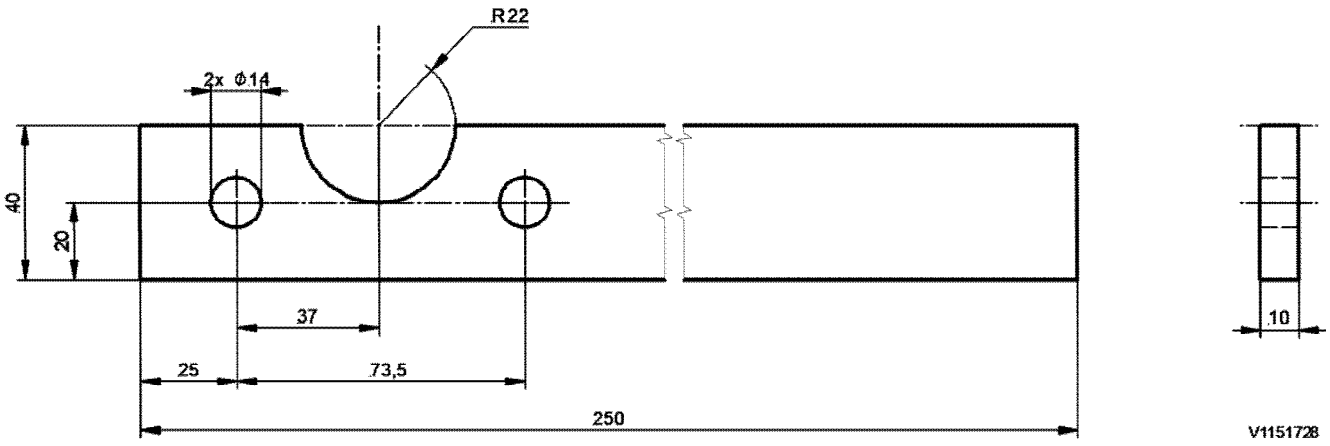

Figure 1

Document Title: **E-7027**	Function Group: **080**	Information Type: **Service Information**	Date: **4/29/2026**
Profile: **P2820D Volvo PID:12826281**			

E-7027

Showing Selected Profile

Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
P2820D Volvo PID:12826281			

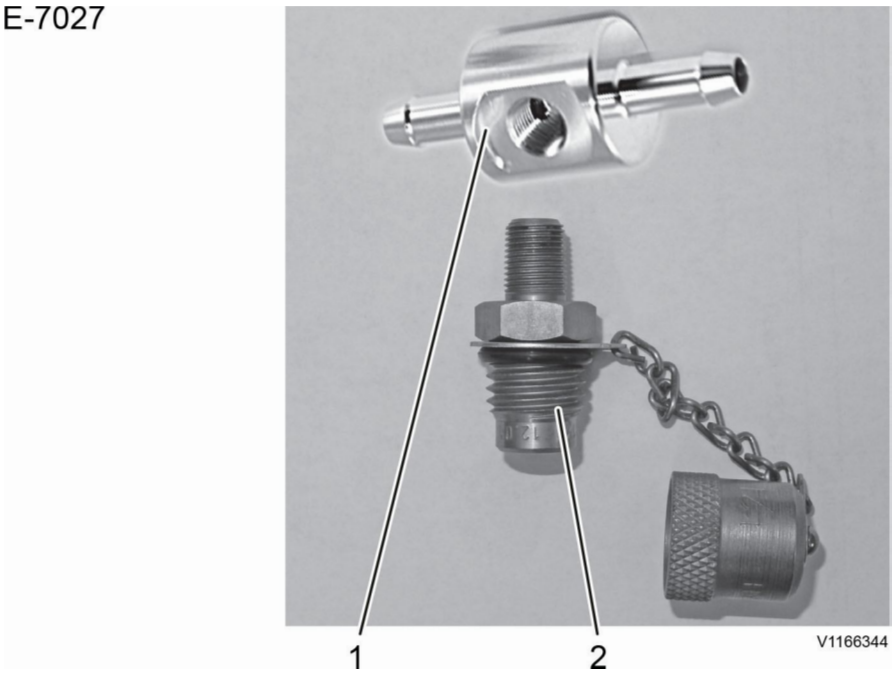

Figure 1

1. 88830505
2. 88830504

Document Title: **Infrared Thermometer**	Function Group: **080**	Information Type: **Service Information**	Date: **4/29/2026**
Profile: **P2820D Volvo PID:12826281**			

Infrared Thermometer

Showing Selected Profile

Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
P2820D Volvo PID:12826281			

Gun Style Infrared Thermometer Laser Sight Model: SIG1

9998519Infrared thermometer (user instruction in FGI 080)Application

This tool can be used to measure fast and easy temperature differences. For instance in case of troubleshooting it is sometimes necessary to measure temperature differences on two equal parts with the same surface.

⚠ WARNING

Never point the device towards the eyes permanent eye damage may occur. Use extreme caution when using the laser. Keep out of the reach of children. Be careful around mirror surfaces since mirrors can reflect the laser. Looking into the reflected laser is just as damaging as looking directly at the laser.

General information

1. Field of view: The SIG1 takes it's measurement from a circle of a size determined by a simple ratio of 10:1. The diameter of this circle is 1/10 the distance between the target and the tip of the SIG1. For example, if you're standing 20 feet (610 cm) from your target, the size of the circle you're taking the average temperature of will be 2 feet (61 cm) wide.
2. If you want to get the temperature of something small, such as a pipe, you must get close enough for the pipe to take up the whole viewing area circle. Otherwise the pipe and the background temperatures will be averaged into the reading.
3. You need to be aware that if the target surface is reflective enough, it may reflect infrared from other objects. For example, if you take a reading of a shiny metal surface, the infrared energy of your face may reflect enough energy off the surface to affect the reading. For this reason, it's a good idea to put non-reflective tape or paint on reflective surfaces when taking infrared temperature readings.

NOTE!

The measured temperature will be lower than actual.

Operation

1. Point the laser towards the target to be measured.
2. Pull trigger to light the target with the laser and measure its surface temperature.
3. As long as the trigger is held down, the SIG1 will constantly update the measurement and the blue backlight will illuminate the display.
4. When the trigger is pulled the red laser dot will shine about 1/4" above the centre of the circular area being measured by the thermometer.
5. Once the trigger is released, the last measurement will be shown and held until the trigger is pressed again or until the SIG1 turns off.

Document Title: **E-7037**	Function Group: **080**	Information Type: **Service Information**	Date: **4/29/2026**
Profile: **P2820D Volvo PID:12826281**			

E-7037

Showing Selected Profile

Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
P2820D Volvo PID:12826281			

All dimensions in **mm**
Material: **S235JR or compareble**

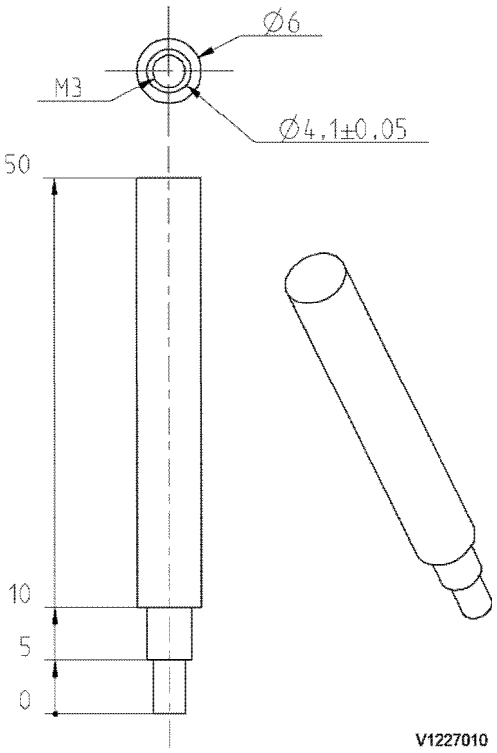

Figure 1
Aligning pin

Document Title: **E-7038**	Function Group: **080**	Information Type: **Service Information**	Date: **4/29/2026**
Profile: **P2820D Volvo PID:12826281**			

E-7038

Showing Selected Profile

Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
P2820D Volvo PID:12826281			

All dimensions in **mm**
Material: **S355 J2 G3 or compareble**

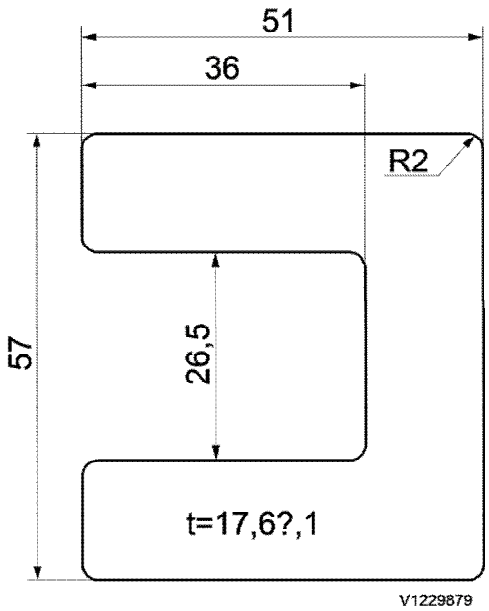

Figure 1
Spacer part