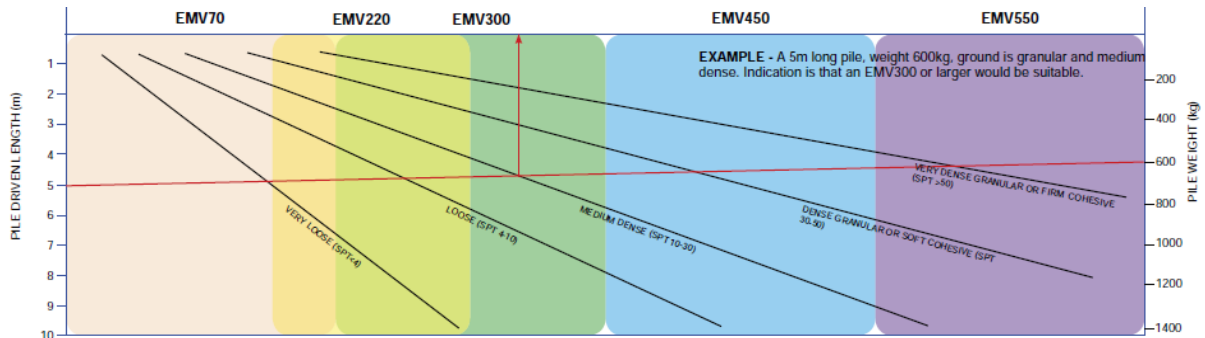


ALL SECTIONS TO BE COMPLETED, SIGNED AND RETURNED BY THE CUSTOMER.

ALL SECTIONS TO BE REVIEWED & APPROVED BY THE STATE SHORING MANAGER.

Section 1 - Selection of Appropriate EMV



Section 2 – Determine Pre-Auger Requirements

GROUND CONDITIONS	LOOSE / SOFT	MEDIUM DENSE / FIRM	DENSE / STIFF OR GREATER	SELECT
ROCK	EMV NOT RECOMMENDED			<input type="checkbox"/>
CLAY / COHESIVE	OKAY	PRE-AUGERING REQUIRED		<input type="checkbox"/>
SAND / GRANULAR	OKAY	OKAY	PRE-AUGERING REQUIRED	<input type="checkbox"/>
PEAT / SILT	OKAY	OKAY	PRE-AUGERING REQUIRED	<input type="checkbox"/>

For any band of material of 1m thickness or greater
 Rock needs pre-auguring regardless of thickness. Any damages where rock is present will be passed back to the customer.
 Failure to pre-auger where required will result in damages and charges back to the customer.



The Borehole must be submitted with this EMV Request Form for review.

Section 3 – Check Hydraulic Compatibility

EXCAVATOR SIZING GUIDE

For completeness, the flow and pressure from the excavator to the EMV should be checked against the specification sheets to confirm adequate hydraulic power. As a guide the EMVs typically suit the following base machine sizes:

- EMV300 (requires 130 L/min, 280 bar) **12 - 35t excavator**
- EMV450 (requires 195 L/min, 270 bar) **25 - 45t excavator**
- EMV550 (requires 256 L/min, 280 bar) **30 - 55t excavator**

Section 3 – Check Hydraulic Compatibility Cont....

CUSTOMERS EXCAVATOR HYDRAULIC SYSTEM	EMV REQUIREMENTS	REQUIREMENTS MET?
Minimum Flow Rate	130 L/min	YES <input type="checkbox"/> NO <input type="checkbox"/>
Maximum Flow Rate	250 L/min	YES <input type="checkbox"/> NO <input type="checkbox"/>
Maximum Pressure	350 Bar	YES <input type="checkbox"/> NO <input type="checkbox"/>
Minimum Power	52kW	YES <input type="checkbox"/> NO <input type="checkbox"/>
Excavator has Reverse Flow (hammer forward / hammer reverse)	Required	YES <input type="checkbox"/> NO <input type="checkbox"/>
Excavator has a Case Drain Line	Required	YES <input type="checkbox"/> NO <input type="checkbox"/>
Excavator has Two Stage Release Mechanism to Prevent Accidental Opening of Jaws	<u>STRONGLY RECCOMENDED</u>	YES <input type="checkbox"/> NO <input type="checkbox"/>
<i>If the excavator does not have a 2 stage release mechanism, then accidental reversal of flow will open the jaws and unexpectedly drop the sheets/piles.</i>		

Section 4 – Swan Neck / Quick Hitch Adaptor



IF THE SWAN NECK IS REQUIRED – GO TO SECTION 5:
 Use When:

- Additional reach is required
- Required Quick Hitch Adaptor is not available
- Typically used for sheets >6m long

Consider:

- Increased weight and reach may increase risk of machine overturning and reduce WLL

Please tick to make selection:

SELECTION:

Section 4 – Swan Neck / Quick Hitch Adaptor Cont...

IF THE QUICK HITCH ADAPTOR IS REQUIRED – GO TO SECTION 6:

Use When:

- A swan neck is not required
- Excavator has sufficient reach

Consider:

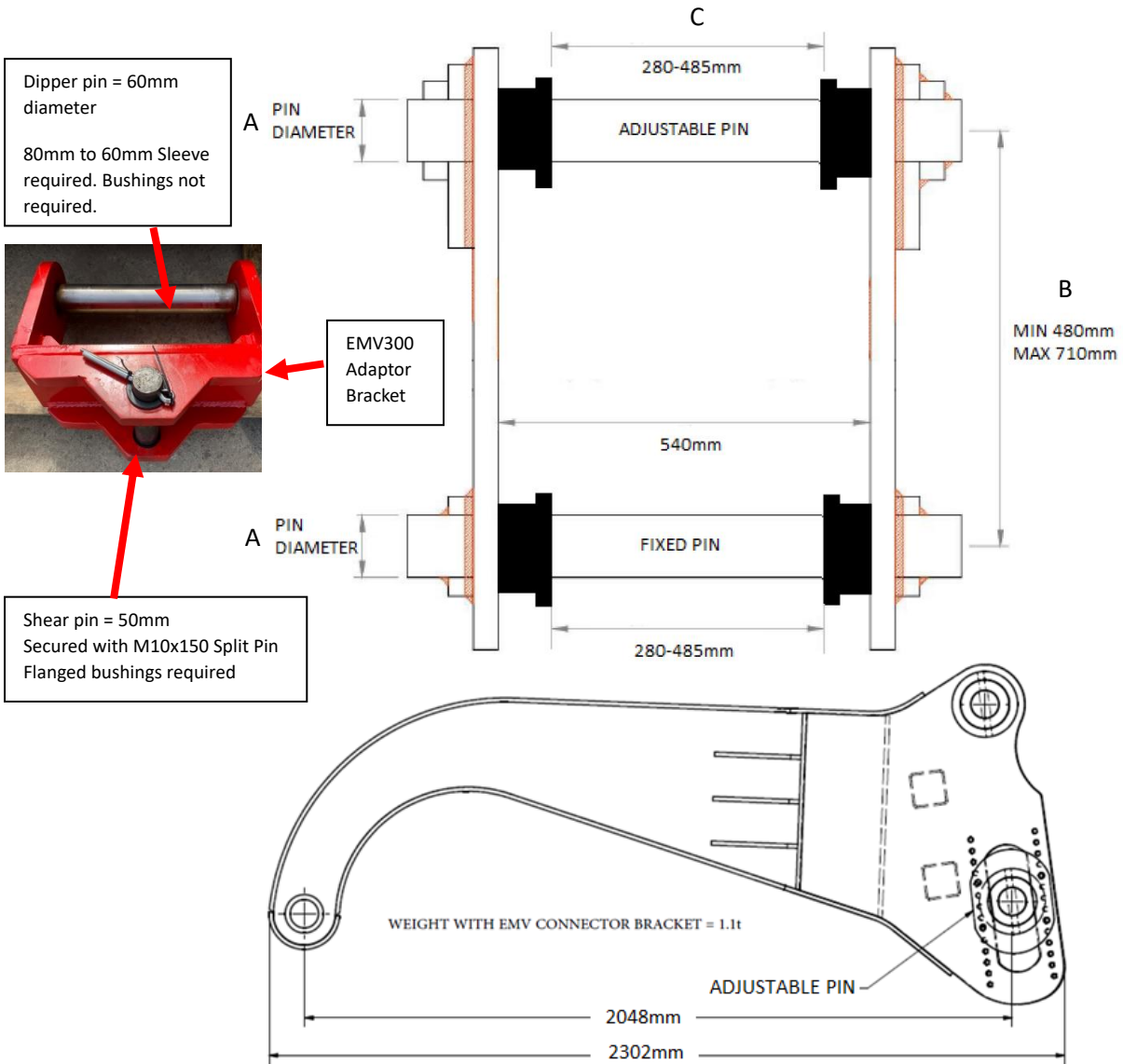
- Quick Hitch Adaptor size will vary depending on machine size, so complete the checklist carefully.

Please tick to make selection:

SELECTION:



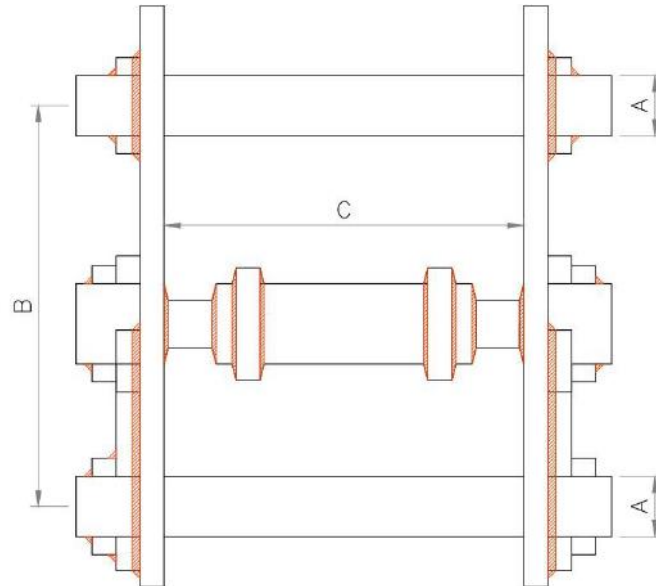
Section 5 – Swan Neck Selection



SWAN NECK COMPONENT	RANGE AVAILABLE	CUSTOMER REQUIREMENT
Pin Diameter (A)	80/90/100/110mm	
Distance Between Pins (B)	480mm – 710mm	
Distance Between Spacers (C)	280mm – 485mm	

PROVIDED HOSE AND FITTING CONFIGURATION FOR WHEN USING A SWAN NECK				
HOSE TYPE	HOSE LENGTH	SPIRAL GUARD	HOSE DIA	FITTING SUPPLIED
Hammer Forward	4m +2m Extension	YES	3/4"	3/4" BSP Female
Hammer Reverse	4m +2m Extension	YES	3/4"	3/4" BSP Female
Case Drain	4m +2m Extension	YES	1/2"	1/2" BSP Female
<i>Customer to ensure their machine is suitably prepared with fittings and adaptors to receive the above.</i>				
CASE DRAIN MUST FLOW DIRECTLY TO TANK WITHOUT RESTRICTION OTHERWISE COSTLY DAMAGES WILL APPLY				

Section 6 – Quick Hitch Adaptor Selection



SHORE HIRE QUICK HITCH ADAPTOR RANGE	A (circle below)	B (mm)	C (mm)	Select
12-15T Quick Hitch Adaptor	60/65/70mm	240-520	325 MAX	<input type="checkbox"/>
15-25T Quick Hitch Adaptor	80/90mm	430-515	415 MAX	<input type="checkbox"/>
25-35T Quick Hitch Adaptor	90/100mm	480-620	485 MAX	<input type="checkbox"/>

PROVIDED HOSE AND FITTING CONFIGURATION FOR WHEN USING A QUICK HITCH ADAPTOR				
HOSE TYPE	HOSE LENGTH	SPIRAL GUARD	HOSE DIA	FITTING SUPPLIED
Hammer Forward	4m	YES	3/4"	3/4" BSP Female
Hammer Reverse	4m	YES	3/4"	3/4" BSP Female
Case Drain	4m	YES	1/2"	1/2" BSP Female
<i>Customer to ensure their machine is suitably prepared with fittings and adaptors to receive the above.</i>				
<i>CASE DRAIN MUST FLOW DIRECTLY TO TANK WITHOUT RESTRICTION OTHERWISE COSTLY DAMAGES WILL APPLY</i>				

Section 7 – Check Sheet/Pile Compatibility

TRENCH SHEET / SHEET PILE TO BE USED	REQUIREMENTS	REQUIREMENTS MET?
Sheet/Pile Thickness	<25mm	YES <input type="checkbox"/> NO <input type="checkbox"/>
Minimum Sheet/Pile Width	250mm	YES <input type="checkbox"/> NO <input type="checkbox"/>
Minimum Clutch Section	150mm	YES <input type="checkbox"/> NO <input type="checkbox"/>
Ground Release Shackle Needed	2 machines	YES <input type="checkbox"/> NO <input type="checkbox"/>
Min Lifting Chain Hole Dia in Sheet	40mm	YES <input type="checkbox"/> NO <input type="checkbox"/>
Min Distance from Top of Sheet to Top of Lifting Hole	250mm	YES <input type="checkbox"/> NO <input type="checkbox"/>

Section 8 – Acceptance of EMV Hire Requirements

HIRE REQUIREMENTS	CUSTOMER ACCEPTANCE
Shore Hire EMV Daily Checklist to be completed before each shift starts	YES <input type="checkbox"/> NO <input type="checkbox"/>
The customer and the machine operator will read the operating instructions	YES <input type="checkbox"/> NO <input type="checkbox"/>
Pre-auguring will be completed, as required in section 2	YES <input type="checkbox"/> NO <input type="checkbox"/>
The customer is aware they are responsible for connecting the EMV hoses to their machine. Fittings sent to site may need adaptors, by others.	YES <input type="checkbox"/> NO <input type="checkbox"/>

Name of Hirer (In Capitals) _____

Date _____

Reviewed By (Shoring Mgr.) _____

Date _____

SECTION FOR SHOREHIRE USE ONLY

Comments / Actions:

ERF to be sent to the Yard Supervisor for mobilisation.

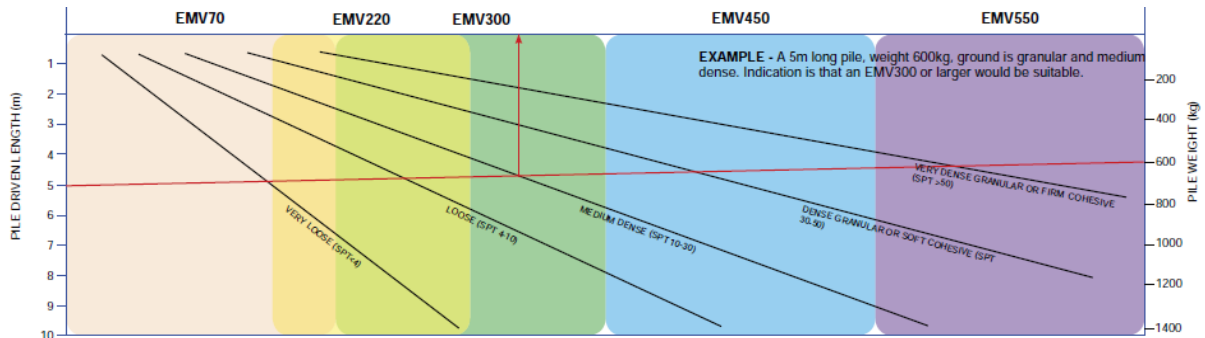
ERF to be saved under the Hire Contract by the Shoring Manager

COMPANY NAME	SITE ADDRESS	SITE CONTACT/NUMBER

ALL SECTIONS TO BE COMPLETED, SIGNED AND RETURNED BY THE CUSTOMER.

ALL SECTIONS TO BE REVIEWED & APPROVED BY THE STATE SHORING MANAGER.

Section 1 - Selection of Appropriate EMV



Section 2 – Determine Pre-Auger Requirements

GROUND CONDITIONS	LOOSE / SOFT	MEDIUM DENSE / FIRM	DENSE / STIFF OR GREATER	SELECT
ROCK	EMV NOT RECOMMENDED			<input type="checkbox"/>
CLAY / COHESIVE	OKAY	PRE-AUGERING REQUIRED		<input type="checkbox"/>
SAND / GRANULAR	OKAY	OKAY	PRE-AUGERING REQUIRED	<input type="checkbox"/>
PEAT / SILT	OKAY	OKAY	PRE-AUGERING REQUIRED	<input type="checkbox"/>

For any band of material of 1m thickness or greater

Rock needs pre-auguring regardless of thickness. Any damages where rock is present will be passed back to the customer.

Failure to pre-auger where required will result in damages and charges back to the customer.



The Borehole must be submitted with this EMV Request Form for review.

Section 3 – Check Hydraulic Compatibility

EXCAVATOR SIZING GUIDE

For completeness, the flow and pressure from the excavator to the EMV should be checked against the specification sheets to confirm adequate hydraulic power. As a guide the EMVs typically suit the following base machine sizes:

- EMV300 (requires 130 L/min, 280 bar) **12 - 35t excavator**
- EMV450 (requires 195 L/min, 270 bar) **25 - 45t excavator**
- EMV550 (requires 256 L/min, 280 bar) **30 - 55t excavator**

Section 3 – Check Hydraulic Compatibility Cont....

CUSTOMERS EXCAVATOR HYDRAULIC SYSTEM	EMV REQUIREMENTS	REQUIREMENTS MET?
Minimum Flow Rate	195 L/min	YES <input type="checkbox"/> NO <input type="checkbox"/>
Maximum Flow Rate	350 L/min	YES <input type="checkbox"/> NO <input type="checkbox"/>
Maximum Pressure	350 Bar	YES <input type="checkbox"/> NO <input type="checkbox"/>
Minimum Power	88kW	YES <input type="checkbox"/> NO <input type="checkbox"/>
Excavator has Reverse Flow (hammer forward / hammer reverse)	Required	YES <input type="checkbox"/> NO <input type="checkbox"/>
Excavator has a Case Drain Line	Required	YES <input type="checkbox"/> NO <input type="checkbox"/>
Excavator has Two Stage Release Mechanism to Prevent Accidental Opening of Jaws	<u>STRONGLY RECCOMENDED</u>	YES <input type="checkbox"/> NO <input type="checkbox"/>
<i>If the excavator does not have a 2 stage release mechanism, then accidental reversal of flow will open the jaws and unexpectedly drop the sheets/piles.</i>		

Section 4 – Swan Neck / Quick Hitch Adaptor



IF THE SWAN NECK IS REQUIRED – GO TO SECTION 5:
 Use When:

- Additional reach is required
- Required Quick Hitch Adaptor is not available
- Typically used for sheets >6m long

Consider:

- Increased weight and reach may increase risk of machine overturning and reduce WLL

Please tick to make selection:

SELECTION:

Section 4 – Swan Neck / Quick Hitch Adaptor Cont...

IF THE QUICK HITCH ADAPTOR IS REQUIRED – GO TO SECTION 6:

Use When:

- A swan neck is not required
- Excavator has sufficient reach

Consider:

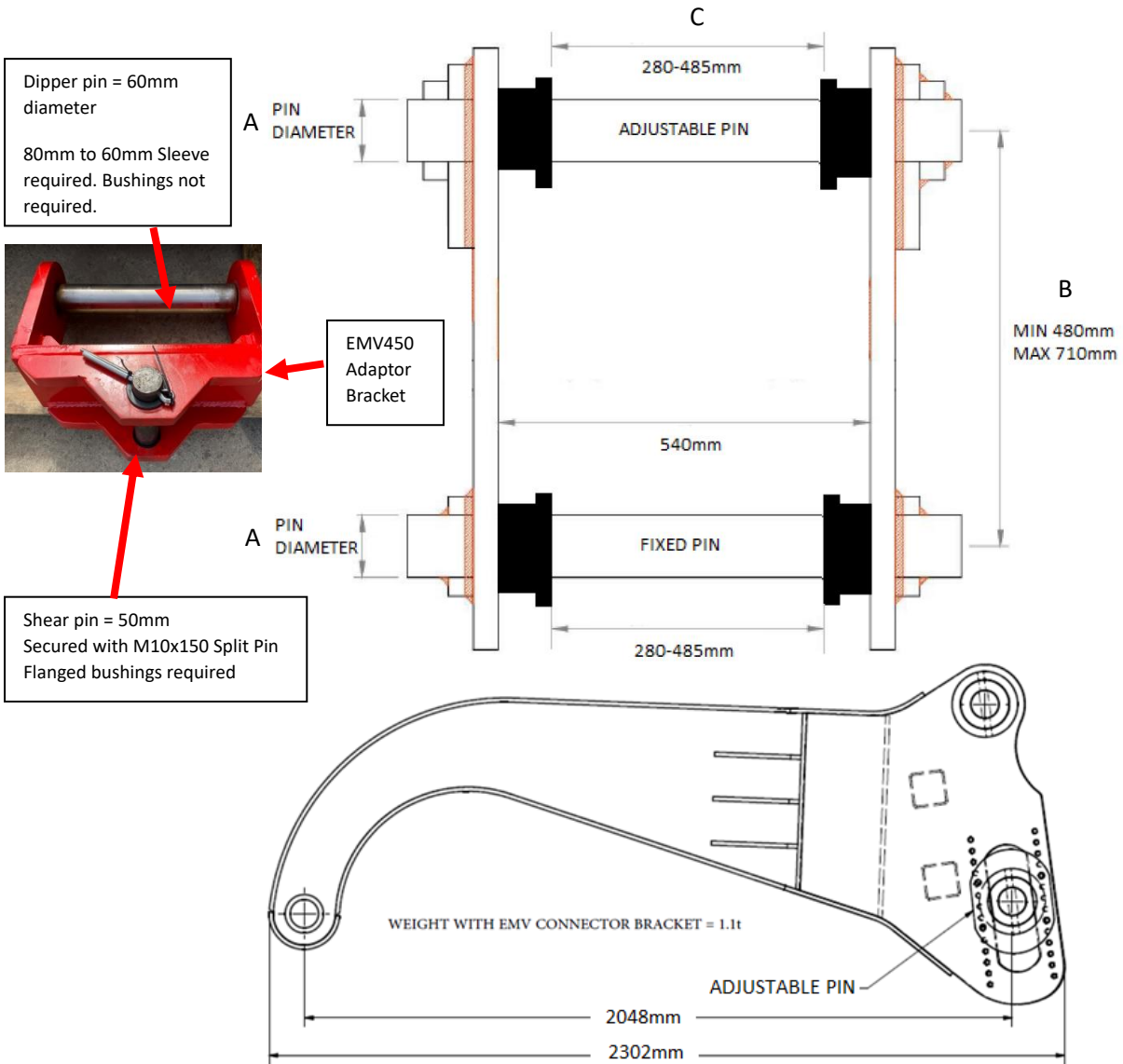
- Quick Hitch Adaptor size will vary depending on machine size, so complete the checklist carefully.

Please tick to make selection:

SELECTION:



Section 5 – Swan Neck Selection

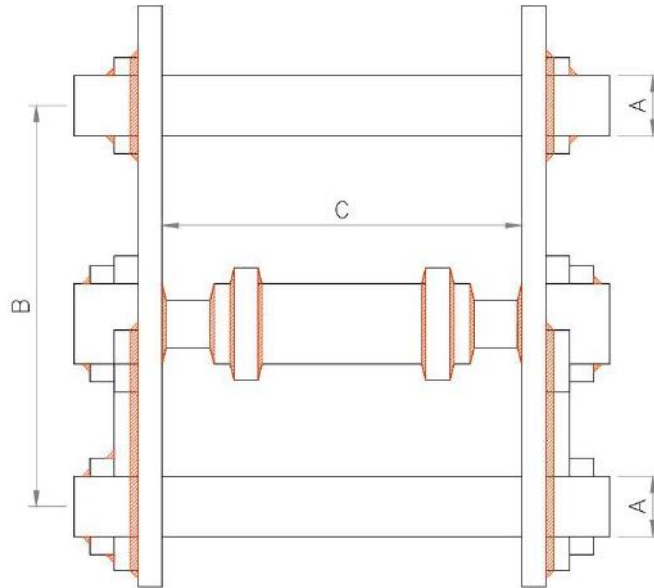


SWAN NECK COMPONENT	RANGE AVAILABLE	CUSTOMER REQUIREMENT
Pin Diameter (A)	80/90/100/110mm	
Distance Between Pins (B)	480mm – 710mm	
Distance Between Spacers (C)	280mm – 485mm	

PROVIDED HOSE AND FITTING CONFIGURATION FOR WHEN USING A SWAN NECK				
HOSE TYPE	HOSE LENGTH	SPIRAL GUARD	HOSE DIA	FITTING SUPPLIED
Hammer Forward	4m +2m Extension	YES	1	1" BSP Female
Hammer Reverse	4m +2m Extension	YES	1"	1" BSP Female
Case Drain	4m +2m Extension	YES	1/2"	1/2" BSP Female

Customer to ensure their machine is suitably prepared with fittings and adaptors to receive the above.
CASE DRAIN MUST FLOW DIRECTLY TO TANK WITHOUT RESTRICTION OTHERWISE COSTLY DAMAGES WILL APPLY

Section 6 – Quick Hitch Adaptor Selection



SHORE HIRE QUICK HITCH ADAPTOR RANGE	A (circle below)	B (mm)	C (mm)	Select
25T Quick Hitch Adaptor	80/90mm	430-515	415 MAX	<input type="checkbox"/>
25-35T Quick Hitch Adaptor	90/100mm	480-620	485 MAX	<input type="checkbox"/>
35-45T Quick Hitch Adaptor	90/100/110mm	490-700	470 MAX	<input type="checkbox"/>

PROVIDED HOSE AND FITTING CONFIGURATION FOR WHEN USING A QUICK HITCH ADAPTOR				
HOSE TYPE	HOSE LENGTH	SPIRAL GUARD	HOSE DIA	FITTING SUPPLIED
Hammer Forward	4m	YES	1	1" BSP Female
Hammer Reverse	4m	YES	1"	1" BSP Female
Case Drain	4m	YES	1/2"	1/2" BSP Female
<i>Customer to ensure their machine is suitably prepared with fittings and adaptors to receive the above.</i>				
CASE DRAIN MUST FLOW DIRECTLY TO TANK WITHOUT RESTRICTION OTHERWISE COSTLY DAMAGES WILL APPLY				

Section 7 – Check Sheet/Pile Compatibility

TRENCH SHEET / SHEET PILE TO BE USED	REQUIREMENTS	REQUIREMENTS MET?
Sheet/Pile Thickness	<25mm	YES <input type="checkbox"/> NO <input type="checkbox"/>
Minimum Sheet/Pile Width	250mm	YES <input type="checkbox"/> NO <input type="checkbox"/>
Minimum Clutch Section	150mm	YES <input type="checkbox"/> NO <input type="checkbox"/>
Ground Release Shackle Needed	2 machines	YES <input type="checkbox"/> NO <input type="checkbox"/>
Min Lifting Chain Hole Dia in Sheet	40mm	YES <input type="checkbox"/> NO <input type="checkbox"/>
Min Distance from Top of Sheet to Top of Lifting Hole	250mm	YES <input type="checkbox"/> NO <input type="checkbox"/>

Section 8 – Acceptance of EMV Hire Requirements

HIRE REQUIREMENTS	CUSTOMER ACCEPTANCE
Shore Hire EMV Daily Checklist to be completed before each shift starts	YES <input type="checkbox"/> NO <input type="checkbox"/>
The customer and the machine operator will read the operating instructions	YES <input type="checkbox"/> NO <input type="checkbox"/>
Pre-auguring will be completed, as required in section 2	YES <input type="checkbox"/> NO <input type="checkbox"/>
The customer is aware they are responsible for connecting the EMV hoses to their machine. Fittings sent to site may need adaptors, by others.	YES <input type="checkbox"/> NO <input type="checkbox"/>

Name of Hirer (In Capitals) _____

Date _____

Reviewed By (Shoring Mgr.) _____

Date _____

SECTION FOR SHOREHIRE USE ONLY

Comments / Actions:

ERF to be sent to the Yard Supervisor for mobilisation.

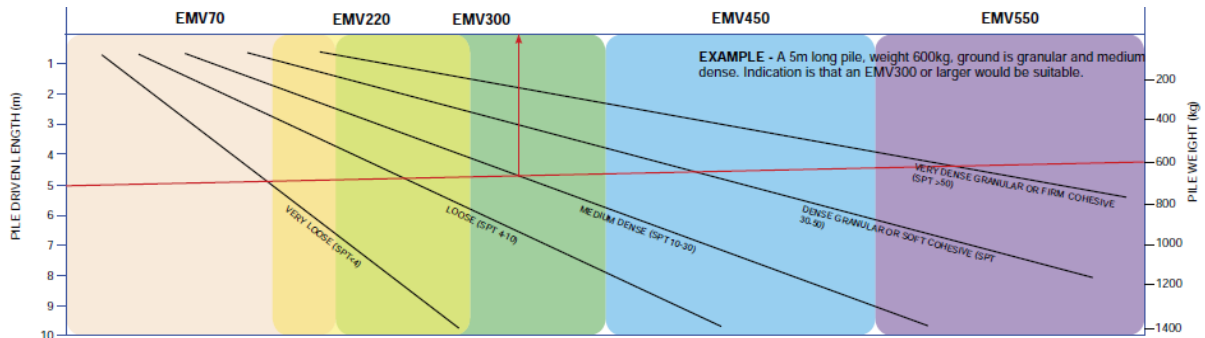
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COMPANY NAME	SITE ADDRESS	SITE CONTACT/NUMBER

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ALL SECTIONS TO BE REVIEWED & APPROVED BY THE STATE SHORING MANAGER.

Section 1 - Selection of Appropriate EMV



Section 2 – Determine Pre-Auger Requirements

GROUND CONDITIONS	LOOSE / SOFT	MEDIUM DENSE / FIRM	DENSE / STIFF OR GREATER	SELECT
ROCK	EMV NOT RECOMMENDED			<input type="checkbox"/>
CLAY / COHESIVE	OKAY	PRE-AUGERING REQUIRED		<input type="checkbox"/>
SAND / GRANULAR	OKAY	OKAY	PRE-AUGERING REQUIRED	<input type="checkbox"/>
PEAT / SILT	OKAY	OKAY	PRE-AUGERING REQUIRED	<input type="checkbox"/>

For any band of material of 1m thickness or greater

Rock needs pre-auguring regardless of thickness. Any damages where rock is present will be passed back to the customer.

Failure to pre-auger where required will result in damages and charges back to the customer.



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Section 3 – Check Hydraulic Compatibility

EXCAVATOR SIZING GUIDE

For completeness, the flow and pressure from the excavator to the EMV should be checked against the specification sheets to confirm adequate hydraulic power. As a guide the EMVs typically suit the following base machine sizes:

- EMV300 (requires 130 L/min, 280 bar) **12 - 35t excavator**
- EMV450 (requires 195 L/min, 270 bar) **25 - 45t excavator**
- EMV550 (requires 256 L/min, 280 bar) **30 - 55t excavator**

Section 3 – Check Hydraulic Compatibility Cont....

CUSTOMERS EXCAVATOR HYDRAULIC SYSTEM	EMV REQUIREMENTS	REQUIREMENTS MET?
Minimum Flow Rate	256 L/min	YES <input type="checkbox"/> NO <input type="checkbox"/>
Maximum Flow Rate	400 L/min	YES <input type="checkbox"/> NO <input type="checkbox"/>
Maximum Pressure	350 Bar	YES <input type="checkbox"/> NO <input type="checkbox"/>
Minimum Power	120kW	YES <input type="checkbox"/> NO <input type="checkbox"/>
Excavator has Reverse Flow (hammer forward / hammer reverse)	Required	YES <input type="checkbox"/> NO <input type="checkbox"/>
Excavator has a case drain line	Required	YES <input type="checkbox"/> NO <input type="checkbox"/>
Excavator has Two Stage Release Mechanism to Prevent Accidental Opening of Jaws	<u>STRONGLY RECCOMENDED</u>	YES <input type="checkbox"/> NO <input type="checkbox"/>
<i>If the excavator does not have a 2 stage release mechanism, then accidental reversal of flow will open the jaws and unexpectedly drop the sheets/piles.</i>		

Section 4 – Swan Neck / Quick Hitch Adaptor



IF THE SWAN NECK IS REQUIRED – GO TO SECTION 5:
 Use When:

- Additional reach is required
- Required Quick Hitch Adaptor is not available
- Typically used for sheets >6m long

Consider:

- Increased weight and reach may increase risk of machine overturning and reduce WLL

Please tick to make selection:

SELECTION:

Section 4 – Swan Neck / Quick Hitch Adaptor Cont...

IF THE QUICK HITCH ADAPTOR IS REQUIRED – GO TO SECTION 6:

Use When:

- A swan neck is not required
- Excavator has sufficient reach

Consider:

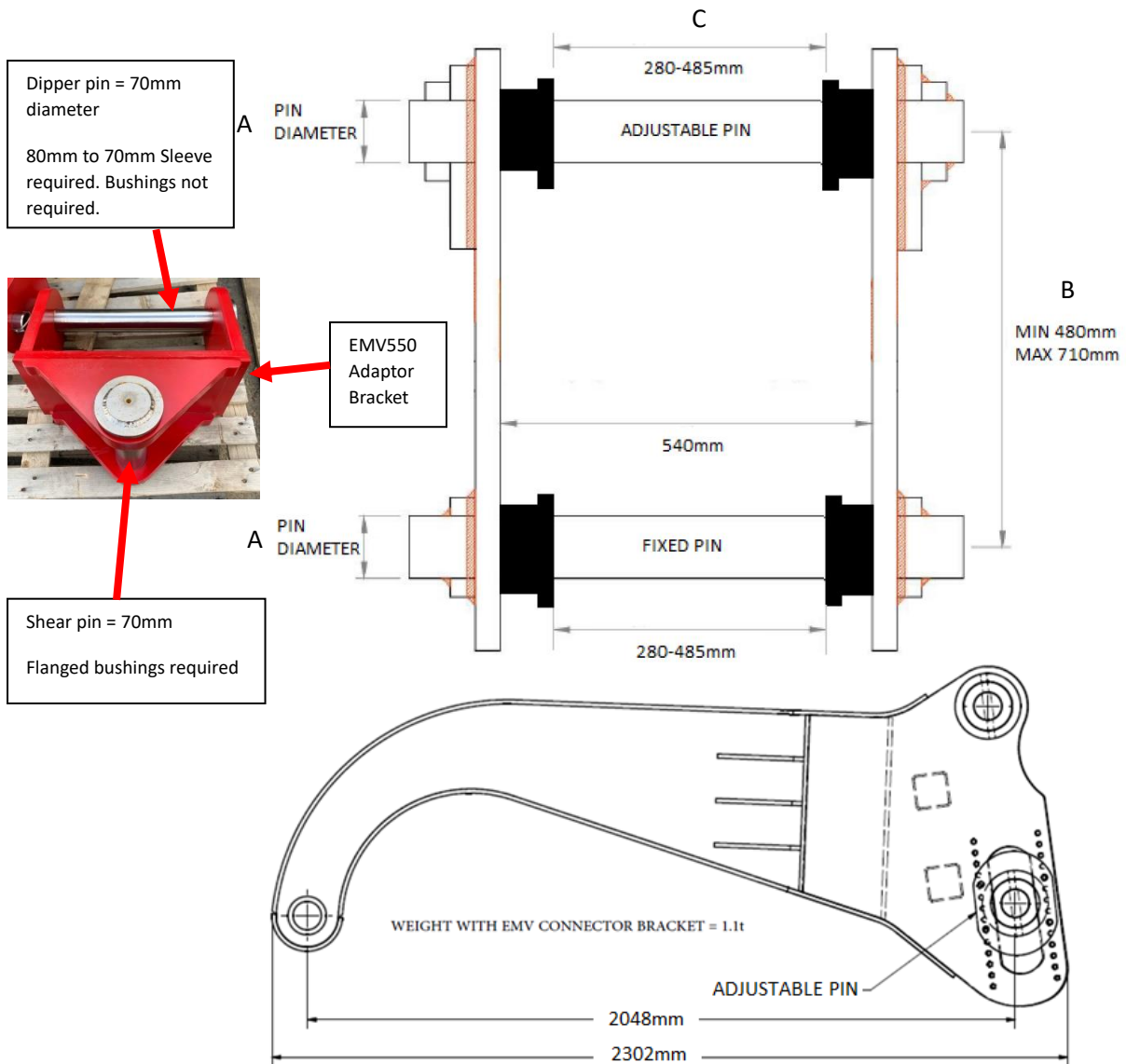
- Quick Hitch Adaptor size will vary depending on machine size, so complete the checklist carefully.

Please tick to make selection:

SELECTION:



Section 5 – Swan Neck Selection

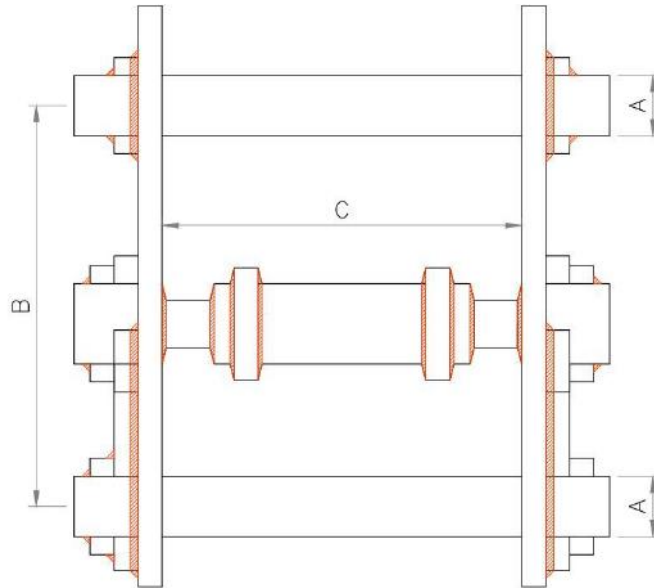


SWAN NECK COMPONENT	RANGE AVAILABLE	CUSTOMER REQUIREMENT
Pin Diameter (A)	80/90/100/110mm	
Distance Between Pins (B)	480mm – 710mm	
Distance Between Spacers (C)	280mm – 485mm	

PROVIDED HOSE AND FITTING CONFIGURATION FOR WHEN USING A SWAN NECK				
HOSE TYPE	HOSE LENGTH	SPIRAL GUARD	HOSE DIA	FITTING SUPPLIED
Hammer Forward	4m +2m Extension	YES	1 ¼"	1 ¼" BSP Female
Hammer Reverse	4m +2m Extension	YES	1 ¼"	1 ¼" BSP Female
Case Drain	4m +2m Extension	YES	1" or 3/4"	1" BSP Female

Customer to ensure their machine is suitably prepared with fittings and adaptors to receive the above.
CASE DRAIN MUST FLOW DIRECTLY TO TANK WITHOUT RESTRICTION OTHERWISE COSTLY DAMAGES WILL APPLY

Section 6 – Quick Hitch Adaptor Selection



SHORE HIRE QUICK HITCH ADAPTOR RANGE	A (circle below)	B (mm)	C (mm)	Select
30T-35T Excavator	90/100mm	480-620	485 MAX	<input type="checkbox"/>
35-55T Excavator	90/100/110mm	490-700	470 MAX	<input type="checkbox"/>

PROVIDED HOSE AND FITTING CONFIGURATION FOR WHEN USING A QUICK HITCH ADAPTOR				
HOSE TYPE	HOSE LENGTH	SPIRAL GUARD	HOSE DIA	FITTING SUPPLIED
Hammer Forward	4m	YES	1 ¼"	1 ¼" BSP Female
Hammer Reverse	4m	YES	1 ¼"	1 ¼" BSP Female
Case Drain	4m	YES	1" or 3/4"	1" BSP Female

Customer to ensure their machine is suitably prepared with fittings and adaptors to receive the above.

CASE DRAIN MUST FLOW DIRECTLY TO TANK WITHOUT RESTRICTION OTHERWISE COSTLY DAMAGES WILL APPLY

Section 7 – Check Sheet/Pile Compatibility

TRENCH SHEET / SHEET PILE TO BE USED	REQUIREMENTS	REQUIREMENTS MET?
Sheet Pile Thickness	<50mm	YES <input type="checkbox"/> NO <input type="checkbox"/>
Minimum Sheet Width	370mm	YES <input type="checkbox"/> NO <input type="checkbox"/>
Minimum Clutch Section	190mm	YES <input type="checkbox"/> NO <input type="checkbox"/>
Ground Release Shackle Needed	2 machines	YES <input type="checkbox"/> NO <input type="checkbox"/>
Min Lifting Chain Hole Dia in Sheet	40mm	YES <input type="checkbox"/> NO <input type="checkbox"/>
Min Distance from Top of Sheet to Top of Lifting Hole	250mm	YES <input type="checkbox"/> NO <input type="checkbox"/>

Section 8 – Acceptance of EMV Hire Requirements

HIRE REQUIREMENTS	CUSTOMER ACCEPTANCE
Shore Hire EMV Daily Checklist to be completed before each shift starts	YES <input type="checkbox"/> NO <input type="checkbox"/>
The customer and the machine operator will read the operating instructions	YES <input type="checkbox"/> NO <input type="checkbox"/>
Pre-auguring will be completed, as required in section 2	YES <input type="checkbox"/> NO <input type="checkbox"/>
The customer is aware they are responsible for connecting the EMV hoses to their machine. Fittings sent to site may need adaptors, by others.	YES <input type="checkbox"/> NO <input type="checkbox"/>

Name of Hirer (In Capitals) _____

Date _____

Reviewed By (Shoring Mgr.) _____

Date _____

SECTION FOR SHOREHIRE USE ONLY

Comments / Actions:

ERF to be sent to the Yard Supervisor for mobilisation.

ERF to be saved under the Hire Contract by the Shoring Manager

COMPANY NAME	SITE ADDRESS	SITE CONTACT/NUMBER