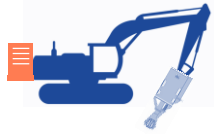


# Minimum required excavator for DOP

Based on lifting capacity only (with use of external power pack for driving the DOP)

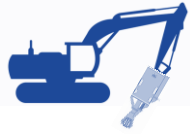


		Total weight (kg)	Caterpillar	Volvo	Liebherr	Komatsu	Hitachi
<b>DOP150</b>	Production head / Leveller	1,850	<b>311D</b>	<b>EC140E</b>	<b>R914</b>	<b>PC138USLC</b>	<b>ZX130-5</b>
	Cutter unit	1,980	<b>312E</b>	<b>EC140E</b>	<b>R914</b>	<b>PC138USLC</b>	<b>ZX130-5</b>
<b>DOP200</b>	Production head / Leveller	2,450	<b>312E</b>	<b>EC140E</b>	<b>R918</b>	<b>PC138USLC</b>	<b>ZX160LC-5</b>
	Cutter unit	2,650	<b>318E</b>	<b>EC140E</b>	<b>R918</b>	<b>PC170LC</b>	<b>ZX160LC-5</b>
<b>DOP250</b>	Production head / Leveller	3,950	<b>320E</b>	<b>EC160E</b>	<b>R924</b>	<b>PC210LC</b>	<b>ZX210LC-6</b>
	Cutter unit	4,295	<b>320E</b>	<b>EC160E</b>	<b>R924</b>	<b>PC210LC</b>	<b>ZX210LC-6</b>
<b>DOP350L</b>	Production head / Leveller	7,250	<b>336E</b>	<b>EC300D</b>	<b>R934</b>	<b>PC290LC</b>	<b>ZX350LC-6</b>
	Cutter unit	8,060	<b>336E</b>	<b>EC380D</b>	<b>R934</b>	<b>PC360LC</b>	<b>ZX350LC-6</b>
<b>DOP350</b>	Production head / Leveller	8,000	<b>336E</b>	<b>EC380D</b>	<b>R946</b>	<b>PC360LC</b>	<b>ZX-350LC-6</b>
	Cutter unit	8,810	<b>336E</b>	<b>EC380D</b>	<b>R946</b>	<b>PC360LC</b>	<b>ZX-380LC-6</b>
<b>DOP450L</b>	Production head / Leveller	11,600	<b>349E</b>	<b>EC480E</b>	<b>R956</b>	<b>PC490LC</b>	<b>ZX470LC-6</b>
	Cutter unit	13,100	<b>349E</b>	<b>EC480E</b>	<b>R956</b>	<b>PC490LC</b>	<b>ZX470LC-6</b>



# Minimum required excavator for DOP

Based on lifting capacity and hydraulic supply by the excavator to the DOP



		Total required hydraulic oil flow (L/min) @ 250 bar	Total weight (kg)	Caterpillar	Volvo	Liebherr	Komatsu	Hitachi
<b>DOP150</b>	Production head / Leveller	200	1,850	<b>329E</b>	<b>EC250D</b>	<b>R936</b>	<b>PC360LC</b>	<b>ZX300LC-6</b>
	Cutter unit	235	1,980	<b>329E</b>	<b>EC300E</b>	<b>R944</b>	<b>PC360LC</b>	<b>ZX300LC-6</b>
<b>DOP200</b>	Production head / Leveller	300	2,450	<b>336E</b>	<b>EC480D</b>	<b>R950</b>	<b>PC490LC</b>	<b>ZX470LC-6</b>
	Cutter unit	345	2,650	<b>336E</b>	<b>EC480D</b>	<b>R960</b>	<b>PC490LC</b>	<b>ZX470LC-6</b>
<b>DOP250</b>	Production head / Leveller	483	3,950	<b>374D L</b>	-	<b>R976</b>	<b>PC650LC</b>	<b>ZX670LC-6</b>
	Cutter unit	558	4,295	<b>374F</b>	-	<b>R976</b>	<b>PC800LC</b>	<b>ZX870LC-6</b>
<b>DOP350L</b>	Production head / Leveller	600	7,250	<b>390D L</b>	-	<b>R980</b>	<b>PC1250-8</b>	-
	Cutter unit	725	8,060	-	-	-	-	-
<b>DOP350</b>	Production head / Leveller	900	8,000	-	-	-	-	-
	Cutter unit	1,025	8,810	-	-	-	-	-
<b>DOP450L</b>	Production head / Leveller	1,000	11,600	-	-	-	-	-
	Cutter unit	1,160	13,100	-	-	-	-	-



## General remarks

- Mentioned excavators are the standard execution, parameters can deviate due to **longer boom/stick** or other adaptations.
- An excavator can work with a **load sensing** unit. The DOP pump needs a constant flow to maintain constant revolutions for optimal use. Therefore the internally installed load sensing unit in the excavator must be replaced by a constant flow control unit. The available hydraulic power remains the same.
- Be aware that the excavator itself also has access to sufficient hydraulic **power for operation**. The DOP pump must be able to operate during simultaneous operation of the excavator.
- Minimum specifications are based on a excavator **boom range of 6 meter**. A larger required range will also require more lifting capacity of your excavator.
- Total weight **includes the hose package** with a length of 10m suspended on the excavator boom.
- Damen is no excavator supplier and can therefore not fully consult in this field. It is strongly recommended that the final choice is **confirmed with your excavator supplier**.

