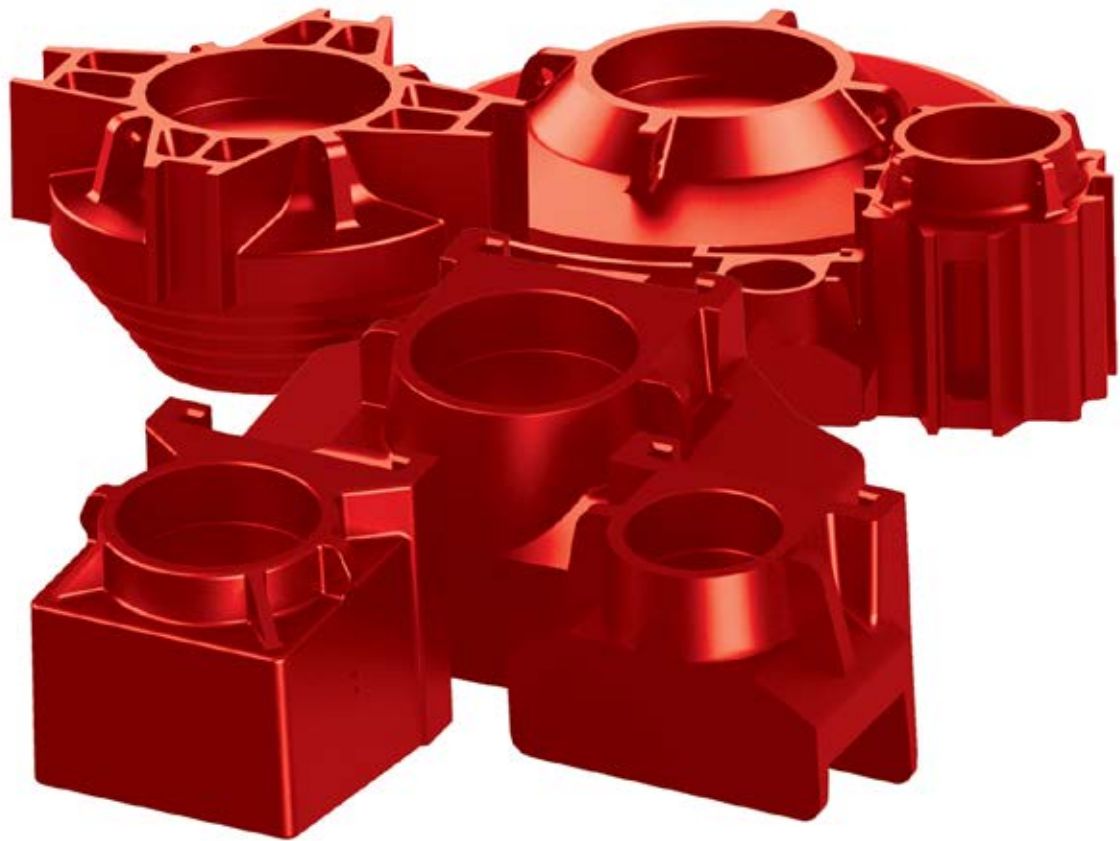


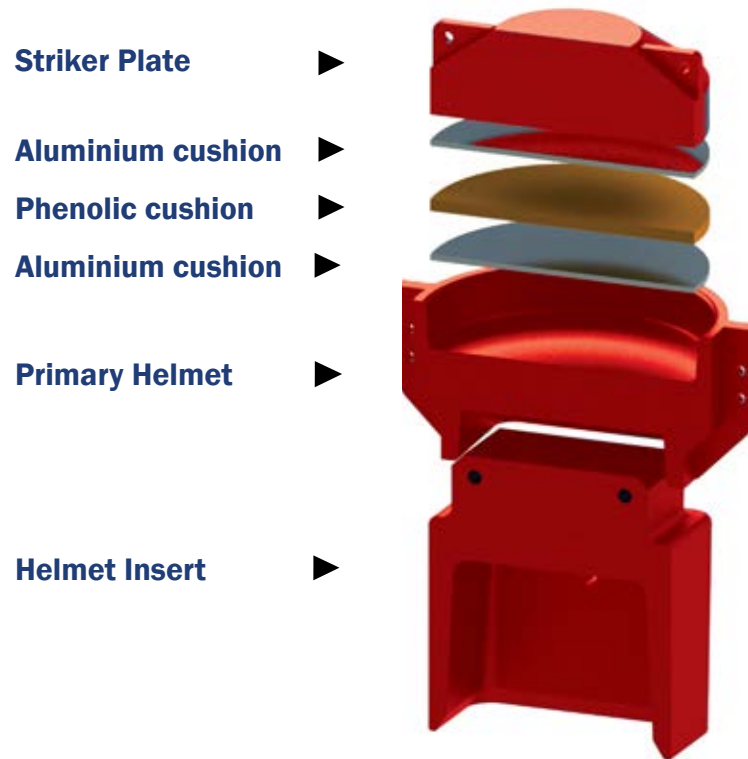
**Helmets**



<b>Primary Helmet Assembly Diagram</b>	<b>3</b>
<b>Primary Helmet Assembly</b>	<b>4</b>
<b>Helmet Inserts</b>	<b>5</b>
<b>Offshore Helmet Assembly</b>	<b>6-7</b>
<b>Neck Adapters</b>	<b>8</b>
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<b>Square Concrete Helmet Assembly</b>	<b>10</b>
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<b>Universal Helmet Assembly</b>	<b>12</b>
<b>EU Helmets Assembly</b>	<b>13-14</b>

**General Layout of the 21" Primary Assembly**

**\*Larger Assemblies require cushion variations**

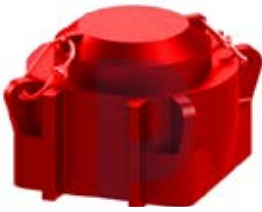






\*Items are sold separately or as an Assembly


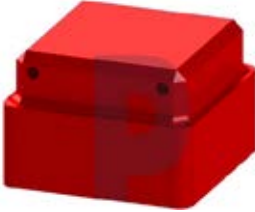




<b>Striker Plate</b>	<b>For Delivery of Impact</b>
	Striker plate is for the delivery of energy from the impact of the hammer to the helmet assembly.
<b>Hammer Cushion</b>	<b>For Diesel hammer and Helmet Protection</b>
	1" Micarta & 2 x 1/2" Aluminium <ul style="list-style-type: none"> <li>• modulus of elasticity: 350 ksi</li> <li>• coefficient of restitution: 0.8</li> </ul>
<b>Primary Helmet</b>	<b>Features</b>
	<ul style="list-style-type: none"> <li>• machined bottom receptacle for cushion and helmet insert for maximum energy transfer and lifetime</li> <li>• 17" standard square for inserts</li> <li>• integrated U-lead guiding</li> </ul>
<b>Helmet Insert</b>	<b>Features</b>
	<ul style="list-style-type: none"> <li>• machined face of 17" square for max. energy transfer</li> <li>• inserts for concrete, steelpipe, sheet and h-piles available</li> </ul>

## Primary Helmet Assembly

All weights are approximate




P-500 21" Primary Helmet					
	#	Assembly	Qty	Weights lbs.	Accessories
	500521	Primary Helmet	1	1050	steel cable 2
	500307	Striker Plate Ø 17"x6"	1	330	cable clamp 2
	500157	aluminium cushion Ø 17"x1/2"	2	22(for 2)	
	500107	phenolic cushion Ø 17"x1"	1	12	
<b>U-Lead Guiding: 21" x 8"</b>				<b>Total approx. weight= 1,414 lbs</b>	
P-501 26" Primary Helmet					
	500526	Primary Helmet	1	2200	steel cable 2
	500309HD	Striker Plate Ø 23"x8"	1	798	cable clamp 2
	500159	aluminium cushion Ø 23"x1/2"	2	42 (for 2)	
	500109	phenolic cushion Ø 23"x1"	1	28	
<b>U-Lead Guiding: 26" x 8"</b>				<b>Total approx. weight= 3,068 lbs</b>	
P-503 32" Primary Helmet					
	500532	Primary Helmet	1	2750	steel clamp 2
	500309HD	Striker Plate Ø 23"x8"	1	798	cable clamp 2
	500159	aluminium cushion Ø 23"x1/2"	2	42 (for 2)	
	500109	phenolic cushion Ø 23"x1"	1	28	
<b>U-Lead Guiding: 26" x 8", 32" x 8"</b>				<b>Total approx. weight= 3,618 lbs</b>	
P-504 32" HD Primary Helmet					
	500532 HD	Primary Helmet	1	2820	steel cable 2
	500315	Striker Plate Ø 23"x10"	1	974	cable clamp 2
	500159	aluminium cushion Ø 23"x1/2"	3	63 (for 3)	
	500109	phenolic cushion Ø 23"x1"	2	56 (for 2)	
<b>U-Lead Guiding: 32" x 8"</b>				<b>Total approx. weight= 3,913 lbs</b>	
P-507 42" Primary Helmet					
	500542	Primary Helmet	1	5400	steel cable 2
	500315	Striker Plate Ø 23"x10"	1	974	cable clamp 2
	500159	aluminium cushion Ø 23"x1/2"	3	63 (for 3)	
	500109	phenolic cushion Ø 23"x1"	2	56 (for 2)	
<b>U-Lead Guiding: 42" x 8", 36" x 8"</b>				<b>Total approx. weight= 6,493 lbs</b>	

All weights are approximate

	<b>Inserts For Concrete Piles</b>				
	500512	12" Square	1,120 lbs approx.		
	500514	14" Square	1,170 lbs approx.		
	500516	16" Square	1,570 lbs approx.		
	500516-L	16" Square Long	1,600 lbs approx.		
	500518	18" Square	1,715 lbs approx.		
	500518-L	18" Square Long	1,800 lbs approx.		
	500520	20" Square	1,724 lbs approx.		
500524	24" Square	3,272 lbs approx.			
	<b>Inserts For H-Piles</b>				
	500515	10", 12", 14" H-pile	890 lbs approx.		
	500518-H	16" , 18"	1,884 lbs approx.		
	500515-AR	HANDLES 14" HP BEAM UP TO 117	1,507 lbs approx.		
	<b>Inserts For Pipe-Piles</b>				
	500508-C	up to 16" Ø	760 lbs approx.		
	500509-1	up to 24" Ø	1,380 lbs approx.		
	500509-2	up to 30" Ø	2,210 lbs approx.		
	<b>Inserts For Sheet</b>				
		<b>Length</b>	<b>Width</b>	<b>min. U-lead</b>	<b>Weight</b>
	500513	30.5"	13.5"	26.5" x 8"	870 lbs approx.
	500513-2	38"	16.5"	32.5" x 8"	1,400 lbs approx.
	500513-4A	43"/39"	19.6"	32.5" x 8"	2,600 lbs approx.
	500513-5	51"	19"	42.5" x 8"	3,600 lbs approx.
	500513-6	51"	22"	42.5" x 8"	3,800 lbs approx.
	<b>Inserts For Timber-Piles</b>				
	500506	up to 12" Ø	560 lbs approx.		


## Offshore Helmet Assembly


All weights are approximate


<b>P-514 36" OFFSHORE MALE TYPE HELMET ASSEMBLY</b>					
	#	Assembly	Qty	Weights lbs. approx.	Accessories
	410455	Male type Offshore Helmet	1	6,300	steel cable 2
	500315	striker plate, Ø 23"x10"	1	974	(910-CBCP-12MM) cable clamp 2
	500159	aluminium cushion, Ø 23"x1/2"	3	63 (for 3)	
	500109	phenolic cushion, Ø 23"x1"	2	56 (for 2)	
				<b>Total: 7,393 lbs</b>	
<b>Pipe Pile Size:</b> 16" x 1", 20" x 1" 24" x 1-1/2", 30" x 1-1/2", 36" x 1-1/2" <b>U-Lead Size:</b> 36.5" x 8", 42.5" x 8"					
<b>P-515 48" OFFSHORE MALE TYPE HELMET ASSEMBLY</b>					
	410452	Male type Offshore Helmet	1	14,400	steel cable 2
	500330	striker plate, Ø 27"x12"	1	1,532	(910-CBCP-12MM) cable clamp 2
	500160	aluminium cushion, Ø 27"x1/2"	3	84 (for 3)	
	500110	phenolic cushion, Ø 27"x1"	2	76 (for 2)	
					<b>Total: 16,092 lbs</b>
<b>Pipe Pile Size:</b> 24" x 1", 30" x 1", 36" x 2" , 42" x 2", 48" x 2" <b>U-Lead Size:</b> 48.5" x 8", 54.5" x 8"					
<b>P-516 66" OFFSHORE MALE TYPE HELMET ASSEMBLY</b>					
	410453	Male type Offshore Helmet	1	26,600	steel cable 2
	500335	striker plate, Ø 37"x 12"	1	3,080	(910-CBCP-12MM) cable clamp 2
	500165	aluminium cushion, Ø 37"x 1/2"	3	159 (for 3)	
	500115	phenolic cushion, Ø 37"x 1"	2	142 (for 2)	
					<b>Total: 29,981 lbs</b>
<b>Pipe Pile Size:</b> 42" x 1-1/2", 48" x 1-1/2", 54" x 1-1/2", 60" x 1-1/2", 66" x 1-1/2" <b>U-Lead Size:</b> 66.5"x 8", 68.5"x 12"					




All weights are approximate


<b>P-517 98" LARGE DIAMETER DRIVE PLATES</b>					
	410454	98" Drive Plates Diameter	1	38,400	steel cable 2
	500335-B	striker plate, Ø 37" x 16"	1	4,217	(910-CBCP-12MM) cable clamp 2
	500165	aluminium cushion, Ø 37" x 1/2"	3	159 (for 3)	
	500115	phenolic cushion, Ø 37" x 1"	2	142 (for 2)	
					<b>Total:</b> 42,918 lbs
<b>Pipe Pile Size:</b> Up to 98-1/2"Ø , Use guide shoes for Ø 66", 72", 84", 96"				<b>OS Type Lead:</b> OS 98	

<b>P-518 120" LARGE DIAMETER DRIVE PLATES</b>					
	410456	120" Drive Plates Diameter	1	61,001	steel cable 2
	500335-B	striker plate, Ø 37" x 16"	1	4,217	(910-CBCP-12MM) cable clamp 2
	500165	aluminium cushion, Ø 37" x 1/2"	3	159 (for 3)	
	500115	phenolic cushion, Ø 37" x 1"	2	142 (for 2)	
					<b>Total:</b> 65,519 lbs
<b>Pipe Pile Size:</b> Up to 120"Ø Use guide shoes for Ø 84", 96", 98", 108",114"				<b>OS Type Lead:</b> 10120	

<b>P-528 98" LARGE DIAMETER STEP DRIVE PLATES</b>					
	410474	98" Step Drive Plates Diameter	1	46,578	steel cable 2
	500335-B	striker plate, Ø 37" x 16"	1	4,217	(910-CBCP-12MM) cable clamp 2
	500165	aluminium cushion, Ø 37" x 1/2"	3	159 (for 3)	
	500115	phenolic cushion, Ø 37" x 1"	2	142 (for 2)	
					<b>Total: 51,096 lbs</b>
<b>Pipe Pile Size:</b> 54", 60", 66", 72", 84", 96" 98" Ø				<b>OS Type Lead :</b> 10098	


<b>P-529 120" LARGE DIAMETER STEP DRIVE PLATES</b>					
	410464	120" Step Drive Plates Diameter	1	74,621	steel cable 2
	500335-B	striker plate, Ø 37" x 16"	1	4,217	(910-CBCP-12MM) cable clamp 2
	500165	aluminium cushion, Ø 37" x 1/2"	3	159 (for 3)	
	500115	phenolic cushion, Ø 37" x 1"	2	142 (for 2)	
					<b>Total: 79,139 lbs</b>
<b>Pipe Pile Size:</b> 96", 108", 114" & 120" Ø				<b>OS Type Lead:</b> 10120	


All weights are approximate


<b>A104-48 Neck Adapter for 78 inch</b>		
	48078	31,000 lbs approx.
<b>Pipe Pile Size: 78", 72", 66", 60", 54"</b>		



All weights are approximate

<b>18 inch Followers</b>			
	#8001425	3,293 lbs approx.	18" X 10 FT FOLLOWER PIPE ASSEMBLY
	#8001426	6,586.34 lbs approx.	18" X 20 FT FOLLOWER PIPE ASSEMBLY
	#8001427	9,331.49 lbs approx.	18" X 30 FT FOLLOWER PIPE ASSEMBLY
	#8001428	12,076.64 lbs approx.	18" X 40 FT FOLLOWER PIPE ASSEMBLY


<b>18 inch Follower Lift Sleeve w/ Guiding</b>			
	#8001429		U-26
	#8000795	451.98 lbs. approx.	U-32
	#8001400	582.73 lbs approx.	U-42
	#8001430		U-48

<b>18 inch Follower Lift Sleeve Non Guiding</b>			
	#8000890	302.05 lbs. approx.	18"

## Square Concrete Helmets Assembly


All weights are approximate

### P-510 24" CONCRETE HELMET ASSEMBLY

	#	Assembly	Qty	Weight lbs. approx.	Accessories
	500024-B	24"sq Concrete Helmet	1	7,099 lbs	steel cable 2
	500315	striker plate 23" X 10"	1	974	(910-CBCP-12MM) cable clamp 2
	500159	aluminium cushion 23" X ½"	3	63 (for 3)	
	500109	phenolic cushion 23" X 1"	2	56 (for 2)	


**Square Pile Size: 24" U-Lead Guiding: 32.5"x 8", 42.5"x 8" Total weight approx. = 8,192 lbs**

### P-511HD 30" CONCRETE HELMET ASSEMBLY

	#	Assembly	Qty	Weight lbs. approx.	Accessories
	500030-D HD	30" sq Concrete Helmet (heavy duty)	1	14,440	steel cable 2
	500330	striker plate, Ø 27" x 12"	1	1,532	(910-CBCP-12MM) cable clamp 2
	500160	aluminium cushion Ø 27" X ½"	3	84 (for 3)	
500110	phenolic cushion, Ø 27" x 1"	2	76 (for 2)		

**Square Pile Size: 30" U-Lead Guiding: 42.5" x 8", 48.5" x 8" Total weight approx. = 16,132 lbs**

### P-512HD 36" CONCRETE HELMET ASSEMBLY


	#	Assembly	Qty	Weight lbs. approx.	Accessories
	500036-D HD	36" sq Concrete Helmet (heavy duty)	1	14,529	steel cable 2
	500330	striker plate, Ø 27" x 12"	1	1,532	(910-CBCP-12MM) cable clamp 2
	500160	aluminium cushion, Ø 27" X ½"	3	84 (for 3)	
500110	phenolic cushion, Ø 27" x 1"	2	76 (for 2)		

**Square Pile Size: 36" U-Lead Guiding: 42.5" x 8", 48.5" x 8" Total weight approx. = 16,221 lbs**

## Cylinder Concrete Helmets Assembly

All weights are approximate


### P-531 36" CONCRETE CYLINDER HELMET ASSEMBLY

	410467	36" Concrete Cylinder Pile Helmet	1	10,127	steel cable 2
	500330	striker plate, Ø 27" X 12"	1	1,532	(910-CBCP-12MM) cable clamp 2
	500160	aluminium cushion, Ø 27" X ½"	3	84(for 3)	
	500110	phenolic cushion, Ø 27" X 1"	2	76 (for 2)	
				<b>Total approx: 11,819 lbs</b>	

**Concrete Cylinder Pile Size:** 36"

**U-Lead Size:** 42.5" x 8", 48.5" x 8"

### P-519 54" CONCRETE CYLINDER (SOLID CAP) HELMET ASSEMBLY


	25081-B	54" Concrete Cylinder Solid Cap	1	26,017	steel cable 2
	500335	striker plate, Ø 37" x 12"	1	3,080	(910-CBCP-12MM) cable clamp 2
	500165	aluminium cushion, Ø 37" x 1/2"	3	159 (for 3)	
	500115	phenolic cushion, Ø 37" x 1"	2	142 (for 2)	
				<b>Total approx:: 29,398 lbs</b>	

**Concrete Cylinder Pile Size:** 54"

**U-Lead Size:** 66.5" x 8"





All weights are approximate

**P-513 21" UNIVERSAL HELMET ASSEMBLY**



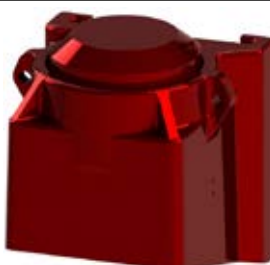

	#	Assembly	Qty	Weight lbs. approx.	Accessories
	500000	21" Universal Helmet	1	904	steel cable 2
	500307	striker plate, Ø 17"x 6"	1	330	(910-CBCP-12MM) cable clamp 2
	500157	aluminium cushion, Ø 17" x ½"	2	22 (for 2)	
	500107	phenolic cushion, Ø 17" x 1"	1	12	
					<b>Total approx. : 1,268 lbs</b>

**Pile Type:** Steel beams: 8", 10", 12" Steel Pipe Ø: 10", 12", 14" **U-Lead Guiding:** 21" x 8"

\*All weights are approximate

<b>P-505</b>					
	#	Assembly	Qty	*Weight lbs.	Accessories
	500013	Sheet Pile Helmet	1	1,360	steel cable 2
	500302	striker plate, sq 13"x6"	1	285	910-CBCP-12MM cable clamp 2
	500151	aluminium cushion sq 13"x1/2"	3	33 (for 3)	210-41981 clip 1-1/4" 1
	500101	phenolic cushion sq 13"x1"	2	24 (for 2)	special clamp 210-41766 1
<b>Pile Size: 30.5"x 13.25", Sheet Piles, using Diesel Hammer up to D19-42</b>			<b>Total Weight: 1,702 approx.</b>		
<b>P-524</b>					
	500013 HD1	Sheet Pile Helmet	1	1,900	steel cable 2
	500300	Striker plate, Ø 13"x4"	1	119	cable clamp 2 910-CBCP-12MM
	500172	aluminium cushion Ø 13"x1/2"	3	33 (for 3)	clip 1-1/2" 1 210-41980
	500122	phenolic cushion Ø 13"x1"	2	24 (for 2)	special clamp 1 210-41949
<b>Pile Size: 30" x 12.5", Sheet Piles, using Diesel Hammer larger then D19-42</b>			<b>Total Weight: 2,076 approx.</b>		
<b>P-525</b>					
	500013 HD2	Sheet Pile Helmet	1	3,280	steel cable 2
	500307	striker plate, Ø 17"x6"	1	330	cable clamp 2 910-CBCP-12MM
	500157	aluminium cushion Ø 17"x1/2"	3	33 (for 3)	clip 1-1/2" 1 210-41980
	500107	phenolic cushion Ø 17"x1"	2	24 (for 2)	special clamp 1 210-41949
<b>Pile Size: 38" x 14.5", Sheet Piles, using Diesel Hammer larger then D19-42</b>			<b>Total Weight: 3,667 approx.</b>		
<b>P-526</b>					
	500013-HD5	Sheet Pile Helmet	1	4,380	steel cable 2
	500308-HD	striker plate, Ø 19"x7"	1	507	cable clamp 2 910-CBCP-12MM
	500158	aluminium cushion Ø 19"x1/2"	3	42 (for 3)	clip 1-1/2" 1 210-41980
	500108	phenolic cushion Ø 19"x1"	2	38 (for 2)	special clamp 1 210-41949
<b>Pile Size: 52" x 19", Sheet Piles, using Diesel Hammer larger then D19-42</b>			<b>Total Weight: 4,967 approx.</b>		

\*All weights are approximate

<b>P-520</b>					
	#	Assembly	Qty.	*Weight lbs	Accessories
	500012-HD	12" Square Concrete Helmet	1	1250	steel cable 2
	500300	striker plate, Ø 13" x 4"	1	119	cable clamp 2 910-CBCP-12MM
	500172	aluminium cushion Ø 13" x 1/2"	3	33 (for 3)	clip 1-1/2" 1 210-41980
	500122	phenolic cushion Ø 13" x 1"	2	24 (for 2)	special clamp 1 210-41949
<b>Pile Size: sq. 12", Concrete Piles, Pipe Piles, and H-beams, using Diesel Hammer larger then D19-42 Total Weight: 1,426 approx.</b>					
<b>P-521</b>					
	500014 HD	14" Square Concrete Helmet	1	1400	steel cable 2
	500300	striker plate, Ø 13" x 4"	1	119	cable clamp 2 910-CBCP-12MM
	500172	aluminium cushion Ø 13" x 1/2"	3	33 (for 3)	clip 1-1/2" 1 210-41980
	500122	phenolic cushion Ø 13" x 1"	2	24 (for 2)	special clamp 1 210-41949
<b>Pile Size: square 14", Concrete Piles, Pipe Piles, and H-beams, using Diesel Hammer larger then D19-42 Total Weight: 1,576 approx.</b>					
<b>P-522</b>					
	500016 HD	16" Square Concrete Helmet	1	1,700	steel cable 2
	500307	striker plate, Ø17"x6"	1	330	cable clamp 2 910-CBCP-12MM
	500157	aluminium cushion Ø17"x1/2"	3	33 (for 3)	clip 1-1/2" 1 210-41980
	500107	phenolic cushion Ø17"x1"	2	24 (for 2)	special clamp 1 210-41949
<b>Pile Size: square 16", Concrete Piles, Pipe Piles, and H-beams, using Diesel Hammer larger then D19-42 Total Weight: 2,087 approx.</b>					
<b>P-523</b>					
	500020 HD	20" Square Concrete Helmet	1	2,150	steel cable 2
	500307	striker plate, Ø17"x6"	1	330	cable clamp 2 910-CBCP-12MM
	500157	aluminium cushion Ø17"x1/2"	3	33 (for 3)	clip 1-1/2" 1 210-41980
	500107	phenolic cushion Ø17"x1"	2	24 (for 2)	special clamp 1 210-41949
<b>Pile Size: square 20", Concrete Piles, Pipe Piles, and H-beams, using Diesel Hammer larger then D19-42 Total Weight: 2,537 approx.</b>					