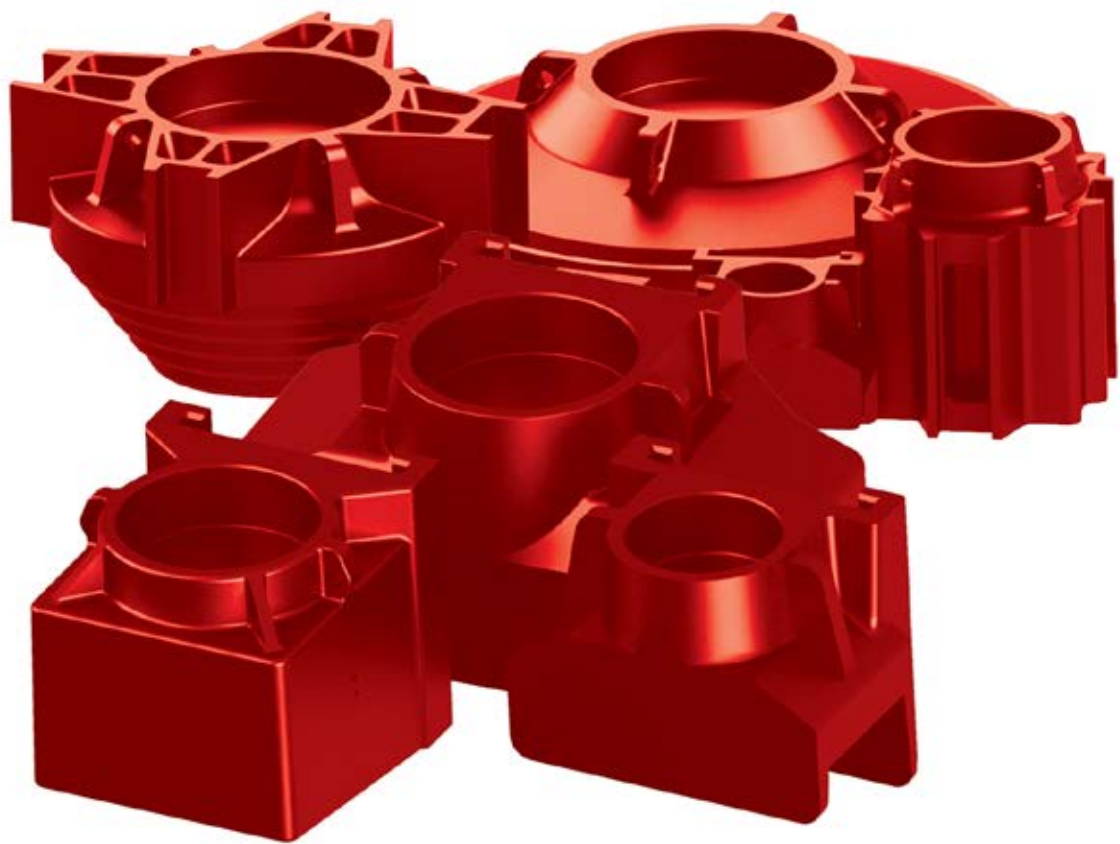


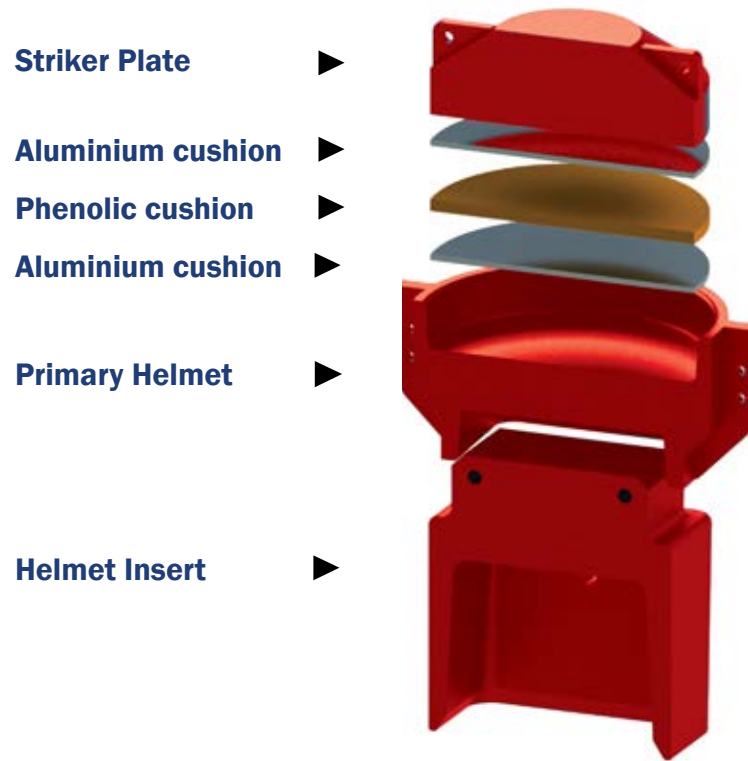
Helmets



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General Layout of the 21" Primary Assembly






***Larger Assemblies require cushion variations**




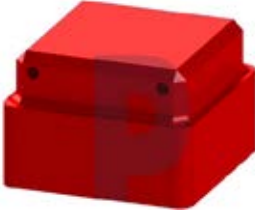
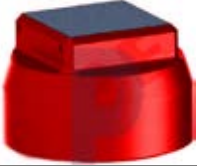



*Items are sold separately or as an Assembly




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

Primary Helmet Assembly





P-500 21" Primary Helmet					
	#	Assembly	Qty	Weights lbs.	Accessories
	500521	Primary Helmet	1	1050	(8005537) 1/2" x 16" to 20" 6x36 IWRC steel cable(2 ea)
	500307	Striker Plate Ø 17"x6"	1	330	(8001749) 7/16"-1/2" cable clamp crosby G-450 (2 ea)
	500157	aluminium cushion Ø 17"x1/2"	2	22(for 2)	
	500107	phenolic cushion Ø 17"x1"	1	12	
U-Lead Guiding: 21" x 8"			Total approx. weight= 1,414 lbs		
P-501 26" Primary Helmet					
	500526	Primary Helmet	1	2200	8005537) 1/2" x 16" to 20" 6x36 IWRC steel cable(2 ea)
	500309HD	Striker Plate Ø 23"x8"	1	798	(8001749) 7/16"-1/2" cable clamp crosby G-450 (2 ea)
	500159	aluminium cushion Ø 23"x1/2"	2	42 (for 2)	
	500109	phenolic cushion Ø 23"x1"	1	28	
U-Lead Guiding: 26" x 8"			Total approx. weight= 3,068 lbs		
P-503 32" Primary Helmet					
	500532	Primary Helmet	1	2750	(8005537) 1/2" x 16" to 20" 6x36 IWRC steel cable(2 ea)
	500309HD	Striker Plate Ø 23"x8"	1	798	(8001749) 7/16"-1/2" cable clamp crosby G-450 (2 ea)
	500159	aluminium cushion Ø 23"x1/2"	2	42 (for 2)	
	500109	phenolic cushion Ø 23"x1"	1	28	
U-Lead Guiding: 26" x 8", 32" x 8"			Total approx. weight= 3,618 lbs		
P-504 32" HD Primary Helmet					
	500532 HD	Primary Helmet	1	2820	(8005537) 1/2" x 16" to 20" 6x36 IWRC steel cable(2 ea)
	500315	Striker Plate Ø 23"x10"	1	974	(8001749) 7/16"-1/2" cable clamp crosby G-450 (2 ea)
	500159	aluminium cushion Ø 23"x1/2"	3	63 (for 3)	
	500109	phenolic cushion Ø 23"x1"	2	56 (for 2)	
U-Lead Guiding: 32" x 8"			Total approx. weight= 3,913 lbs		
P-507 42" Primary Helmet					
	500542	Primary Helmet	1	5400	(8005537) 1/2" x 16" to 20" 6x36 IWRC steel cable(2 ea)
	500315	Striker Plate Ø 23"x10"	1	974	(8001749) 7/16"-1/2" cable clamp crosby G-450 (2 ea)
	500159	aluminium cushion Ø 23"x1/2"	3	63 (for 3)	
	500109	phenolic cushion Ø 23"x1"	2	56 (for 2)	
U-Lead Guiding: 42" x 8", 36" x 8"			Total approx. weight= 6,493 lbs		

All weights are approximate


	Inserts For Concrete Piles				
	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.			
	Inserts For H-Piles				
	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.		
	Inserts For Pipe-Piles				
	500508-C	12",14",16" Ø	760 lbs approx.		
	500509-1	18", 24" Ø	1,380 lbs approx.		
	500509-2	16", 24",30" Ø	2,210 lbs approx.		
	Inserts For Sheet				
		Length	Width	min. U-lead	Weight
	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.	
	Inserts For Timber-Piles				
	500506	up to 12" Ø	560 lbs approx.		

P-514 36" OFFSHORE MALE TYPE HELMET ASSEMBLY					
	#	Assembly	Qty	Weights lbs. approx.	Accessories
	410455	Male type Offshore Helmet	1	6,300	(8005537) 1/2" x 16" to 20" 6x36 IWRC steel cable(2 ea)
	500315	striker plate, Ø 23"x10"	1	974	(8001749) 7/16"-1/2" cable clamp crosby G-450 (2 ea)
	500159	aluminium cushion,Ø 23"x1/2"	3	63 (for 3)	
	500109	phenolic cushion, Ø 23"x1"	2	56 (for 2)	
				Total: 7,393 lbs	
Pipe Pile Size: 16"x 1", 20"x 1" 24"x 1-1/2", 30"x 1-1/2", 36"x 1-1/2" U-Lead Size: 36.5" x 8", 42.5" x 8"					
P-515 48" OFFSHORE MALE TYPE HELMET ASSEMBLY					
	410452	Male type Offshore Helmet	1	14,400	(8005537) 1/2" x 16" to 20" 6x36 IWRC steel cable(2 ea)
	500330	striker plate, Ø 27"x12"	1	1,532	(8001749) 7/16"-1/2" cable clamp crosby G-450 (2 ea)
	500160	aluminium cushion,Ø 27"x1/2"	3	84 (for 3)	
	500110	phenolic cushion, Ø 27"x1"	2	76 (for 2)	
					Total: 16,092 lbs
Pipe Pile Size: 24" x 1", 30" x 1", 36" x 2", 42" x 2", 48" x 2" U-Lead Size: 48.5" x 8", 54.5" x 8"					
P-516 66" OFFSHORE MALE TYPE HELMET ASSEMBLY					
	410453	Male type Offshore Helmet	1	26,600	(8005537) 1/2" x 16" to 20" 6x36 IWRC steel cable(2 ea)
	500335	striker plate, Ø 37"x 12"	1	3,080	(8001749) 7/16"-1/2" cable clamp crosby G-450 (2 ea)
	500165	aluminium cushion,Ø 37"x 1/2"	3	159 (for 3)	
	500115	phenolic cushion, Ø 37"x 1"	2	142 (for 2)	
					Total: 29,981 lbs
Pipe Pile Size: 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" U-Lead Size: 66.5"x 8",68.5"x 12"					


All weights are approximate


P-517 98" LARGE DIAMETER DRIVE PLATES					
	410454	98" Drive Plates Diameter	1	38,400	(8005537) 1/2" x 16" to 20" 6x36 IWRC steel cable(2 ea)
	500335-B	striker plate, Ø 37" x 16"	1	4,217	(8001749) 7/16"-1/2" cable clamp crosby G-450 (2 ea)
	500165	aluminium cushion, Ø 37" x 1/2"	3	159 (for 3)	
	500115	phenolic cushion, Ø 37" x 1"	2	142 (for 2)	
				Total:	42,918 lbs
Pipe Pile Size: Up to 98-1/2"Ø , Use guide shoes for Ø 66", 72", 84", 96" OS Type Lead: OS 98					
P-518 120" LARGE DIAMETER DRIVE PLATES					
	410456	120" Drive Plates Diameter	1	61,001	(8005537) 1/2" x 16" to 20" 6x36 IWRC steel cable(2 ea)
	500335-B	striker plate, Ø 37" x 16"	1	4,217	(8001749) 7/16"-1/2" cable clamp crosby G-450 (2 ea)
	500165	aluminium cushion, Ø 37" x 1/2"	3	159 (for 3)	
	500115	phenolic cushion, Ø 37" x 1"	2	142 (for 2)	
				Total:	65,519 lbs
Pipe Pile Size: Up to 120"Ø Use guide shoes for Ø 84", 96", 98", 108",114" OS Type Lead: 10120					
P-528 98" LARGE DIAMETER STEP DRIVE PLATES					
	410474	98" Step Drive Plates Diameter	1	46,578	(8005537) 1/2" x 16" to 20" 6x36 IWRC steel cable(2 ea)
	500335-B	striker plate, Ø 37" x 16"	1	4,217	(8001749) 7/16"-1/2" cable clamp crosby G-450 (2 ea)
	500165	aluminium cushion, Ø 37" x 1/2"	3	159 (for 3)	
	500115	phenolic cushion, Ø 37" x 1"	2	142 (for 2)	
				Total:	51,096 lbs
Pipe Pile Size: 54", 60", 66", 72", 84", 96" 98" Ø OS Type Lead : 10098					
P-529 120" LARGE DIAMETER STEP DRIVE PLATES					
	410464	120" Step Drive Plates Diameter	1	74,621	(8005537) 1/2" x 16" to 20" 6x36 IWRC steel cable(2 ea)
	500335-B	striker plate, Ø 37" x 16"	1	4,217	(8001749) 7/16"-1/2" cable clamp crosby G-450 (2 ea)
	500165	aluminium cushion, Ø 37" x 1/2"	3	159 (for 3)	
	500115	phenolic cushion, Ø 37" x 1"	2	142 (for 2)	
				Total:	79,139 lbs
Pipe Pile Size: 96", 108", 114" & 120" Ø OS Type Lead: 10120					


All weights are approximate

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




All weights are approximate

18 inch Followers			
	#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




18 inch Follower Lift Sleeve w/ Guiding			
	#8001429		U-26
	#8000795	452 lbs. approx.	U-32
	#8001400	583 lbs approx.	U-42
	#8001430		U-48

18 inch Follower Lift Sleeve Non Guiding			
	#8000890	302.05 lbs. approx.	18"

Modified Helmet to fit A Follower Pipe (follower pipe seperate)

#	Helmet	Description
8005732	500508-C	MODIFIED HELMET TO FIT 18" FOLLOWER PIPE
8005733	500509-1	MODIFIED HELMET TO FIT 18" FOLLOWER PIPE
8001787	500509-2	MODIFIED HELMET TO FIT 18" FOLLOWER PIPE
		
8005720	500513	MODIFICATION TO FIT 18" FOLLOWER PIPE
8005721	500513-2	MODIFICATION TO FIT 18" FOLLOWER PIPE
8002242	500513-4A	MODIFICATION TO FIT 18" FOLLOWER PIPE
8005722	500513-5	MODIFICATION TO FIT 18" FOLLOWER PIPE
8005723	500513-6	MODIFICATION TO FIT 18" FOLLOWER PIPE
		
8005724	500512	12" HELMET MODIFICATION TO FIT 18" FOLLOWER PIPE
8005690	500514	14" HELMET MODIFICATION TO FIT 18" FOLLOWER PIPE
8005725	500516	16" HELMET MODIFICATION TO FIT 18" FOLLOWER PIPE
8005726	500516-L	16" LONG HELMET MODIFICATION TO FIT 18" FOLLOWER PIPE
8001418	500518	18" MODIFIED HELMET TO FIT 18" FOLLOWER PIPE
8005371	500518	18" CONCRETE INSERT MODIFICATION TO FIT REBAR PILE
8005727	500518-L	18" LONG HELMET MODIFICATION TO FIT 18" FOLLOWER PIPE
8005728	500520	20" MODIFIED HELMET TO FIT 18" FOLLOWER PIPE
8005729	500524	24" MODIFIED HELMET TO FIT 18" FOLLOWER PIPE
		
8005028	500515	10", 12",14" MODIFIED HELMET TO FIT 18" FOLLOWER PIPE
8005730	500518-H	16", 18" MODIFIED HELMET TO FIT 18" FOLLOWER PIPE
8005015	500515-AR	14" HP BEAM ROUND MODIFIED HELMET TO FIT 18" FOLLOWER PIPE


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	(8005537) 1/2" x 16" to 20" 6x36 IWRC steel cable(2 ea)
	500315	striker plate 23" x 10"	1	974	(8001749) 7/16"-1/2" cable clamp crosby G-450 (2 ea)
	500159	aluminium cushion 23" x 1/2"	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					
	500030-D HD	30" sq Concrete Helmet (heavy duty)	1	14,440	(8005537) 1/2" x 16" to 20" 6x36 IWRC steel cable(2 ea)
	500330	striker plate, Ø 27" x 12"	1	1,532	(8001749) 7/16"-1/2" cable clamp crosby G-450 (2 ea)
	500160	aluminium cushion Ø 27" x 1/2"	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					
	500036-D HD	36" sq Concrete Helmet (heavy duty)	1	14,529	(8005537) 1/2" x 16" to 20" 6x36 IWRC steel cable(2 ea)
	500330	striker plate, Ø 27" x 12"	1	1,532	(8001749) 7/16"-1/2" cable clamp crosby G-450 (2 ea)
	500160	aluminium cushion, Ø 27" x 1/2"	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	(8005537) 1/2" x 16" to 20" 6x36 IWRC steel cable(2 ea)
	500330	striker plate, Ø 27" X 12"	1	1,532	(8001749) 7/16"-1/2" cable clamp crosby G-450 (2 ea)
	500160	aluminium cushion, Ø 27" X 1/2"	3	84(for 3)	
	500110	phenolic cushion, Ø 27" X 1"	2	76 (for 2)	
					Total approx: 11,819 lbs

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	(8005537) 1/2" x 16" to 20" 6x36 IWRC steel cable(2 ea)
	500335	striker plate, Ø 37" x 12"	1	3,080	(8001749) 7/16"-1/2" cable clamp crosby G-450 (2 ea)
	500165	aluminium cushion, Ø 37" x 1/2"	3	159 (for 3)	
	500115	phenolic cushion, Ø 37" x 1"	2	142 (for 2)	
					Total approx:: 29,398 lbs

Concrete Cylinder Pile Size: 54"

U-Lead Size: 66.5" x 8"




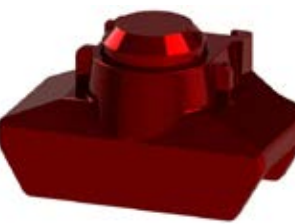
All weights are approximate

P-513 21" UNIVERSAL HELMET ASSEMBLY





	#	Assembly	Qty	Weight lbs. approx.	Accessories
	500000	21" Universal Helmet	1	904	(8005537) 1/2" x 16" to 20" 6x36 IWRC steel cable(2 ea)
	500307	striker plate, Ø 17"x 6"	1	330	(8001749) 7/16"-1/2" cable clamp crosby G-450 (2 ea)
	500157	aluminium cushion, Ø 17" x 1/2"	2	22 (for 2)	
	500107	phenolic cushion, Ø 17" x 1"	1	12	
					Total approx. : 1,268 lbs

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

*All weights are approximate

P-505					
	#	Assembly	Qty	*Weight lbs.	Accessories
	500013	Sheet Pile Helmet	1	1,360	(8005537) ½" x 16" to 20" 6x36 IWRC steel cable(2 ea)
	500302	striker plate, sq 13"x6"	1	285	(8001749) 7/16"-½" cable clamp crosby G-450 (2 ea)
	500151	aluminium cushion sq 13"x1/2"	3	33 (for 3)	(41981) clip 1-¼" (1 ea)
	500101	phenolic cushion sq 13"x1"	2	24 (for 2)	(41766) special clamp (1 ea)
Pile Size: 30.5"x 13.25", Sheet Piles, using Diesel Hammer up to D19-42 Total Weight: 1,702 approx.					
P-524					
	500013 HD1	Sheet Pile Helmet	1	1,900	(8005537) ½" x 16" to 20" 6x36 IWRC steel cable(2 ea)
	500300	Striker plate, Ø 13"x4"	1	119	(8001749) 7/16"-½" cable clamp crosby G-450 (2 ea)
	500172	aluminium cushion Ø 13"x1/2"	3	33 (for 3)	(41980) clip 1-¼" (1 ea)
	500122	phenolic cushion Ø 13"x1"	2	24 (for 2)	(41949) special clamp (1 ea)
Pile Size: 30" x 12.5", Sheet Piles, using Diesel Hammer larger then D19-42 Total Weight: 2,076 approx.					
P-525					
	500013 HD2	Sheet Pile Helmet	1	3,280	(8005537) ½" x 16" to 20" 6x36 IWRC steel cable(2 ea)
	500307	striker plate, Ø 17"x6"	1	330	(8001749) 7/16"-½" cable clamp crosby G-450 (2 ea)
	500157	aluminium cushion Ø 17"x1/2"	3	33 (for 3)	(41980) clip 1-¼" (1 ea)
	500107	phenolic cushion Ø 17"x1"	2	24 (for 2)	(41949) special clamp (1 ea)
Pile Size: 38" x 14.5", Sheet Piles, using Diesel Hammer larger then D19-42 Total Weight: 3,667 approx.					
P-526					
	500013-HD5	Sheet Pile Helmet	1	4,380	(8005537) ½" x 16" to 20" 6x36 IWRC steel cable(2 ea)
	500308-HD	striker plate, Ø 19"x7"	1	507	(8001749) 7/16"-½" cable clamp crosby G-450 (2 ea)
	500158	aluminium cushion Ø 19"x1/2"	3	42 (for 3)	(41980) clip 1-¼" (1 ea)
	500108	phenolic cushion Ø 19"x1"	2	38 (for 2)	(41949) special clamp (1 ea)
Pile Size: 52" x 19", Sheet Piles, using Diesel Hammer larger then D19-42 Total Weight: 4,967 approx.					

*All weights are approximate

P-520					
	#	Assembly	Qty.	* Weight lbs	Accessories
	500012-HD	12" Square Concrete Helmet	1	1250	(8005537) 1/2" x 16" to 20" 6x36 IWRC steel cable (2 ea)
	500300	striker plate, Ø 13" x 4"	1	119	(8001749) 7/16"-1/2" cable clamp crosby G-450 (2 ea)
	500172	aluminium cushion Ø 13" x 1/2"	3	33 (for 3)	(41980) clip 1-1/4" (1 ea)
	500122	phenolic cushion Ø 13" x 1"	2	24 (for 2)	(41949) special clamp (1 ea)
Pile Size: sq. 12", Concrete Piles, Pipe Piles, and H-beams, using Diesel Hammer larger then D19-42 Total Weight: 1,426 approx.					
P-521					
	500014 HD	14" Square Concrete Helmet	1	1400	(8005537) 1/2" x 16" to 20" 6x36 IWRC steel cable(2 ea)
	500300	striker plate, Ø 13" x 4"	1	119	(8001749) 7/16"-1/2" cable clamp crosby G-450 (2 ea)
	500172	aluminium cushion Ø 13" x 1/2"	3	33 (for 3)	(41980) clip 1-1/4" (1 ea)
	500122	phenolic cushion Ø 13" x 1"	2	24 (for 2)	(41949) special clamp (1 ea)
Pile Size: square 14", Concrete Piles, Pipe Piles, and H-beams, using Diesel Hammer larger then D19-42 Total Weight: 1,576 approx.					
P-522					
	500016 HD	16" Square Concrete Helmet	1	1,700	(8005537) 1/2" x 16" to 20" 6x36 IWRC steel cable(2 ea)
	500307	striker plate, Ø17"x6"	1	330	(8001749) 7/16"-1/2" cable clamp crosby G-450 (2 ea)
	500157	aluminium cushion Ø17"x1/2"	3	33 (for 3)	(41980) clip 1-1/4" (1 ea)
	500107	phenolic cushion Ø17"x1"	2	24 (for 2)	(41949) special clamp (1 ea)
Pile Size: square 16", Concrete Piles, Pipe Piles, and H-beams, using Diesel Hammer larger then D19-42 Total Weight: 2,087 approx.					
P-523					
	500020 HD	20" Square Concrete Helmet	1	2,150	(8005537) 1/2" x 16" to 20" 6x36 IWRC steel cable(2 ea)
	500307	striker plate, Ø17"x6"	1	330	(8001749) 7/16"-1/2" cable clamp crosby G-450 (2 ea)
	500157	aluminium cushion Ø17"x1/2"	3	33 (for 3)	(41980) clip 1-1/4" (1 ea)
	500107	phenolic cushion Ø17"x1"	2	24 (for 2)	(41949) special clamp (1 ea)
Pile Size: square 20", Concrete Piles, Pipe Piles, and H-beams, using Diesel Hammer larger then D19-42 Total Weight: 2,537 approx.					