

PDS

PENEN DRILLING SYSTEM NV.

YOUR PARTNER FOR ALL YOUR SELFDRILLING ANCHORS AND STRANDANCHORS



www.pdsnv.be



SELFDRILLING ANCHORS

COUPLERS AND NUTS

BITS

STRANDANCHORS

PDS Penen Drilling System N.V.
is a daughter company of
Studding Company J. Penen & Co N.V.

Nijverheidsstraat 5 Industriezone B-2390 Oostmalle België - Belgium www.pdsnv.be

Technical data

Chart version: PDS-A-10

Date: 03/09/2012

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Remarks:

PDS drill pipes $\geq 40/16$ are manufactured with a 13mm coil, diam. 103/78 and 103/51 : double threaded.

PDS drill pipes $\geq 40/16$ are manufactured with right-handed thread. Left-handed thread on request.

PDS drill pipes R32N, R32S and R38N have a left-handed thread in accordance with ISO 10208.

All PDS drill pipes have a standard length of 6000mm.

PDS drill pipes and couplings (sleeves) $\geq 40/16$ are manufactured from S460NH material, other materials on request.

All PDS items can be delivered with a crane truck to all construction sites throughout Belgium.

Drilling anchors

		PDS R32N	PDS R32S	PDS R38N S6	PDS R38N S7	PDS 40/16	PDS 53/34	PDS 53/26	PDS 73/53	PDS 73/45	PDS 73/35	PDS 103/78	PDS 103/51
Diam OD	mm	32,0	32,0	37,5	37,5	39,4	52,9	52,9	72,0	72,0	72,0	104,2	104,2
Diam ID	mm	18,5 *	15,0 *	21,0 *	19,0 *	16,0	32,4	26,0	51,0	45,0	35,0	78,0	51,5
Weight G	kg/m	3,2	4,0	4,7	5,5	7,1	9,4	11,6	14,0	17,7	22,5	26,3	47,4
Section A **	mm ²	340	460	640	720	899	1193	1486	1781	2252	2880	3341	6036
F _n max (0,2% stretch)	kN	221	299	400	460	525	613	706	915	1163	1421	1637	2777
F _n breuk (min)	kN	272	368	500	560	660	788	916	1173	1498	1859	2088	3587

* Average value

** Values are determined experimentally. Using the above data, it is not possible to calculate the section, maximum tensile force (0,2% stretch) and the minimum fracture force.

Anchor sleeves

		SLEEVE R32N - R32S	SLEEVE R38N S6 - S7	SLEEVE 40/16	SLEEVE 53/34 - 53/26	SLEEVE 73/53	SLEEVE 73/45 - 73/35	SLEEVE 103/78	SLEEVE 103/51
Diam OD	mm	42	52	57	70	89	95	123	133
Length - L	mm	160	220	140	160	235	245	255	291
Weight - W	kg	0,7	1,7	1,5	2,1	4,1	5,9	6,9	12,6

Anchor nuts

		NUT R32N - R32S	NUT R38N S6 -	NUT 40/16	NUT 53/34 - 53/26	NUT 73/53 - 73/45 - 73/35	NUT 103/78 - 103/51
Diam OD	mm	-	S7	75	95	110	145
SW	mm	46	50	65	80	95	125
Length - L	mm	45	55	50	70	70	80
Weight - W	kg	0,35	0,55	1,1	2,2	2,4	4,1

Modifications possible!

Technical data

Chart version: PDS-A-10
 Date: 03/09/2012
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Remarks

Drill bits PDS R32/51 and PDS R32/76 can be used with both the PDS R32N and PDS R32S drilling anchors.
 Likewise: drill bits PDS 38/76 and PDS 38/90 with anchors PDS R38N S6 and PDS R38N S7.
 Likewise: drill bits PDS 53/130, PDS 53/150 and PDS 53/175 with anchors PDS 53/34 and PDS 53/26.
 Likewise: drill bits PDS 73/150, PDS 73/175 and PDS 73/200 with anchors PDS 73/45 and PDS 73/35.
 Likewise: drill bits PDS 103/220 and PDS 103/250 with anchors PDS 103/78 and PDS 103/51.

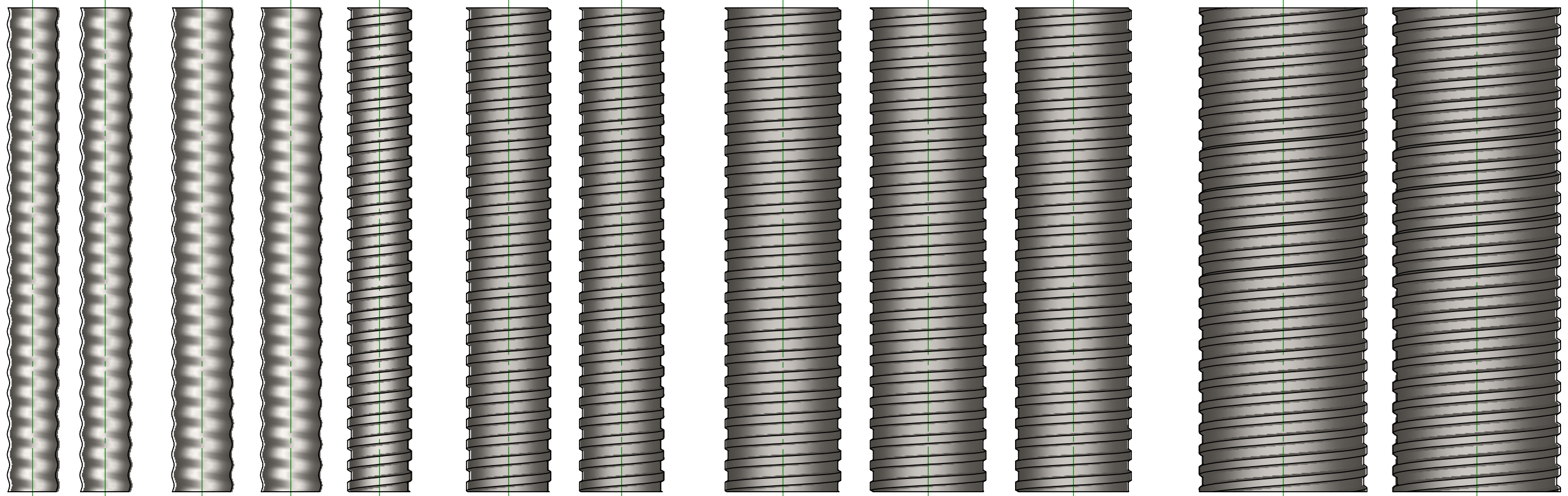
Drill bits

		PDS R32/51	PDS R32/76	PDS R38/76	PDS R38/90	PDS 40/110	PDS 40/150	PDS 53/130
Drill diam - BD	mm	51	76	76	90	110	150	130
Length - L	mm	57	70	70	90	130	140	155
Weight - W	kg/m	0,4	1,3	1,2	1,4	1,5	2,3	2,7
		PDS 53/150	PDS 53/175	PDS 73/150	PDS 73/175	PDS 73/200	PDS 103/220	PDS 103/280
Boordiam - BD	mm	150	175	150	175	200	220	280
Length - L	mm	155	155	180	180	180	265	265
Weight - W	kg/m	2,9	3,2	5,0	5,3	5,7	12,2	13,6

Spacers

		PDS R32/51	PDS R32/76	PDS R38/76	PDS R38/90	PDS 40/110	PDS 40/150	PDS 53/130
Diam OD	mm	-	-	-	-	90	130	110
Diam ID	mm	-	-	-	-	45	45	58
Length - L	mm	-	-	-	-	50	50	60
Weight - W	kg/m	-	-	-	-	0,5	0,7	0,7
		PDS 53/150	PDS 53/175	PDS 73/150	PDS 73/175	PDS 73/200	PDS 103/220	PDS 103/280
Diam OD	mm	130	155	130	155	180	200	260
Diam ID	mm	58	58	77	77	77	109	109
Length - L	mm	60	65	70	70	80	100	120
Weight - W	kg/m	0,9	1,3	1,5	1,7	2,5	4,6	7,3

Modifications possible!



PDS R32N (Li)
S = 340 mm2

PDS R38N S6 (Li)
S = 640 mm2

PDS 40/16
S = 899 mm2

PDS 53/26
S = 1486 mm2

PDS R32S (Li)
S = 460 mm2

PDS R38N S7 (Li)
S = 720 mm2

PDS 53/34
S = 1093 mm2

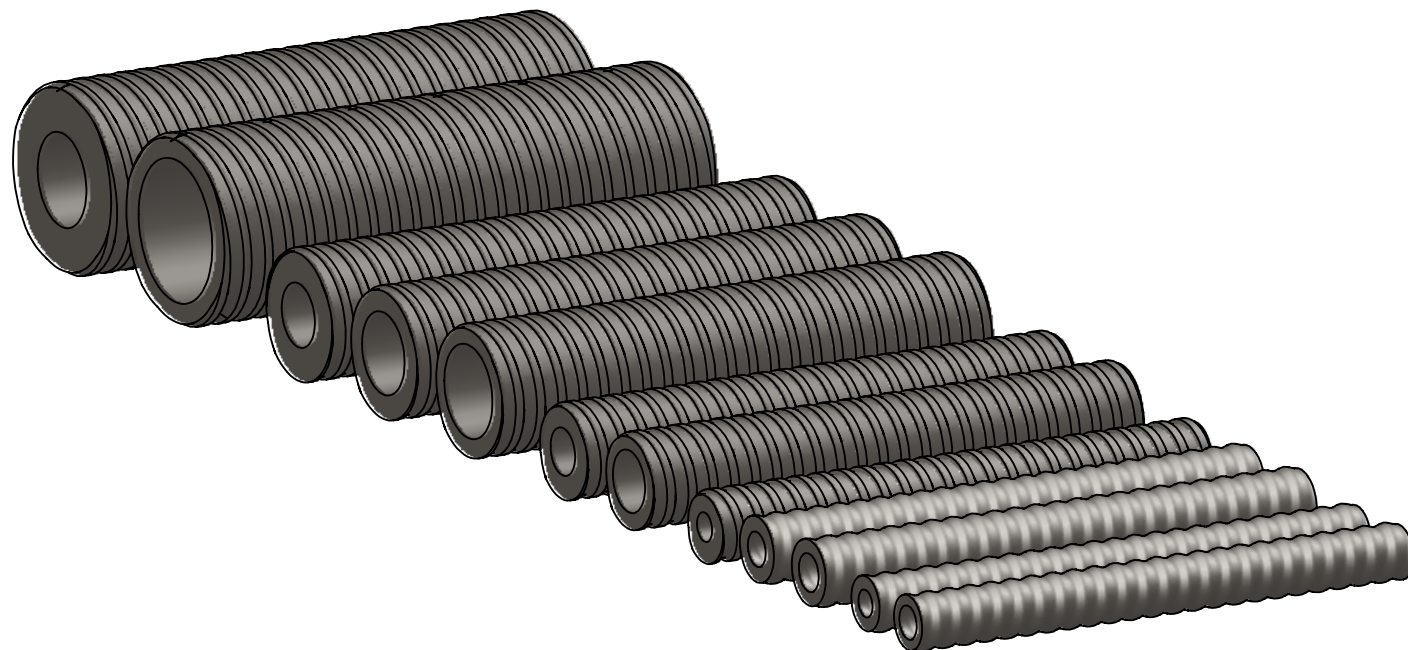
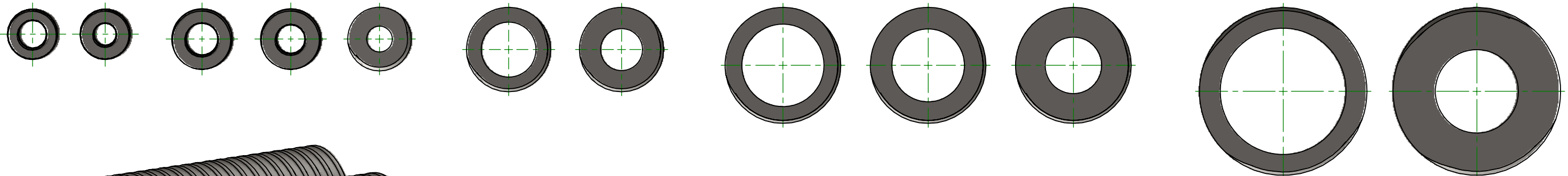
PDS 73/53
S = 1781 mm2

PDS 73/45
S = 2252 mm2

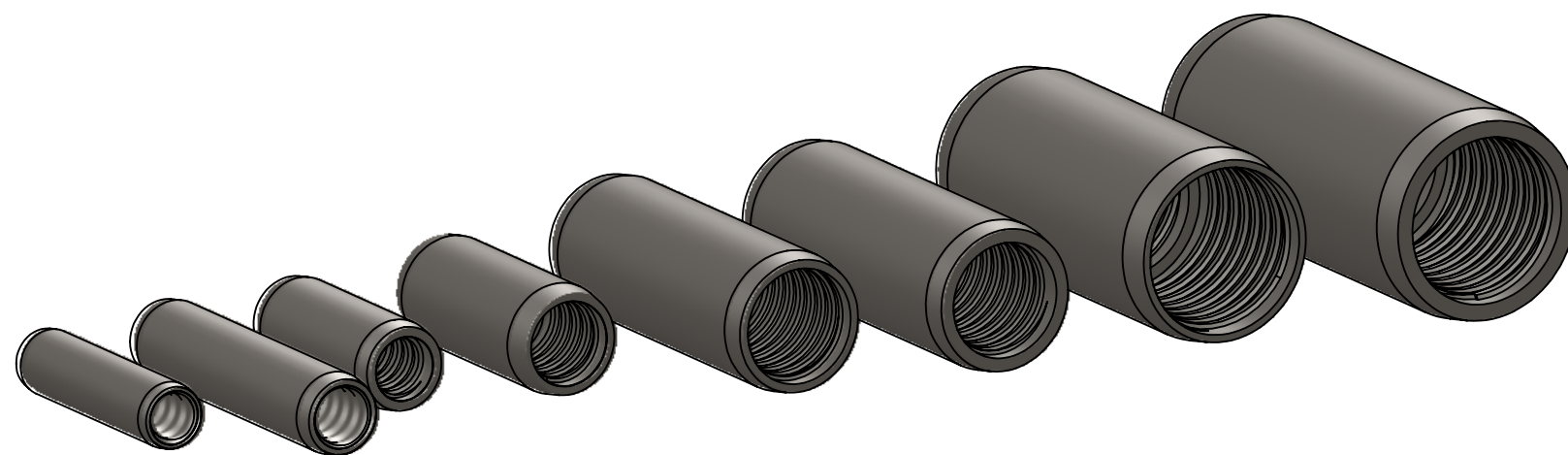
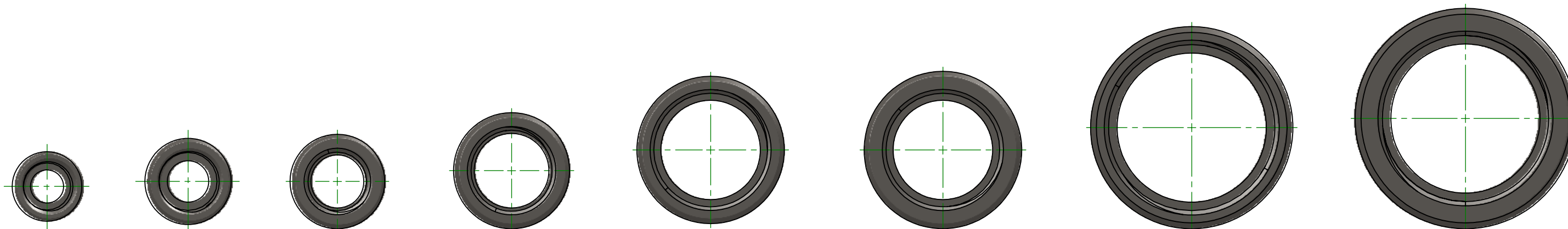
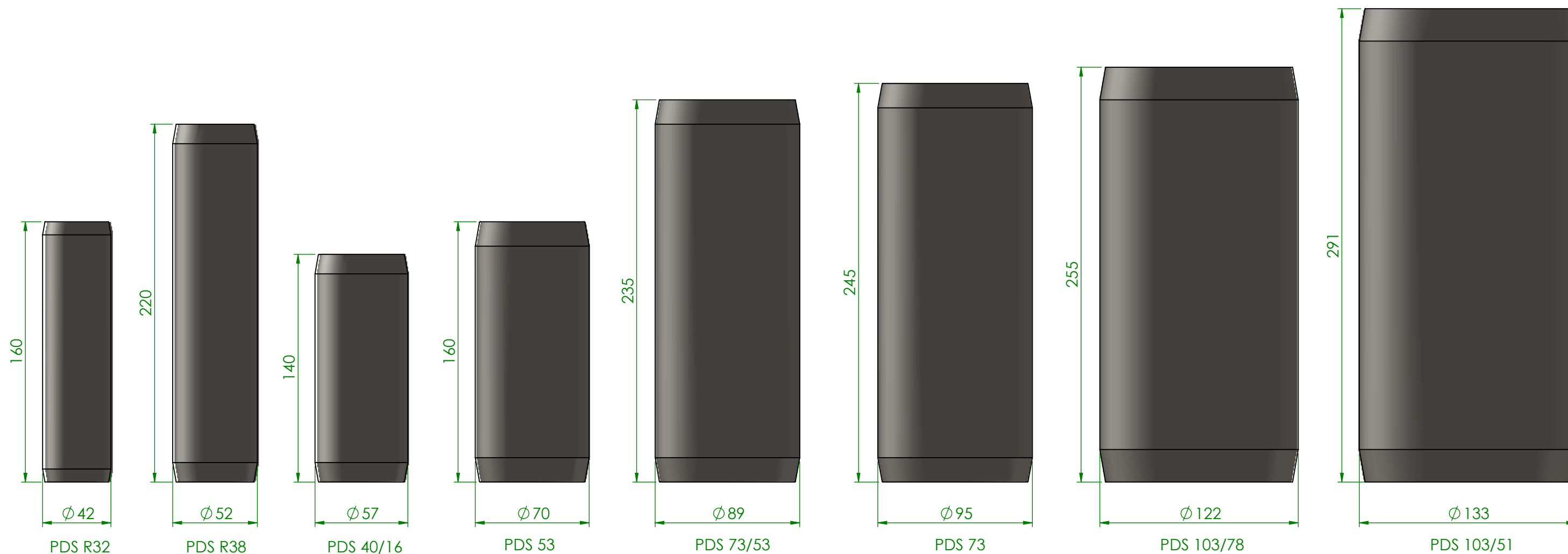
PDS 73/35
S = 2880 mm2

PDS 103/78
S = 3341 mm2

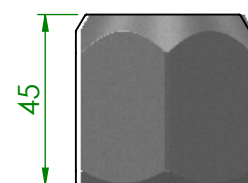
PDS 103/51
S = 6036 mm2



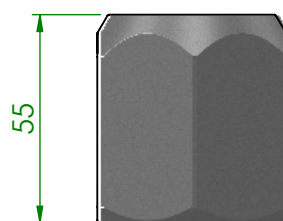
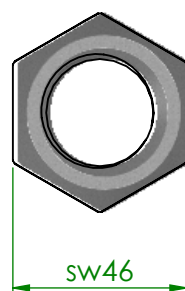
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Datum	Naam	Paraaf	Rev	Wijziging		
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Schaal		PDS Zelfboorankers Zelfboorankers				Type Nr
1/2,5						PDS R32... - R38N... 40/16 - 53/... 73/... - 103/...
Code Nr						
ZBA ...						
 PENEN DRILLING SYSTEM NV.				Tekeningnummer P-N-01-00-4 A3		
Nijverheidsstraat 5				Tel: 0032(0)3 311 50 80		
B-2390 Oostmalle				Fax: 0032(0)3 311 52 75		



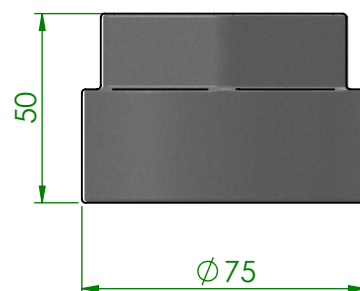
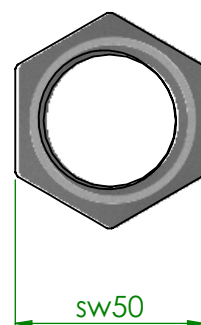
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Datum	Naam	Paraaf	Rev	Wijziging	
30.05.2012			3	Materiaal: S460NH	
Schaal		PDS Zelfboorankers Ankermoffen			Type Nr
1/2,5 - 1/4					PDS
Code Nr					R32 - R38
AMF					40/16 - 53
					73/... - 103/...
 PENEN DRILLING SYSTEM NV.				Tekeningnummer	
				P-N-02-00-3 A3	
Nijverheidsstraat 5		Tel: 0032(0)3 311 50 80			
B-2390 Oostmalle		Fax: 0032(0)3 311 52 75			



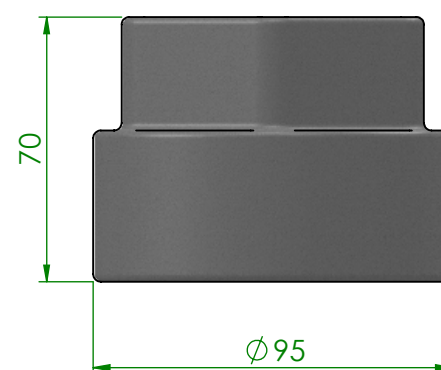
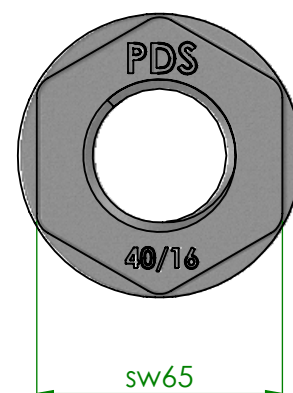
PDS R32/46
0,35 kg



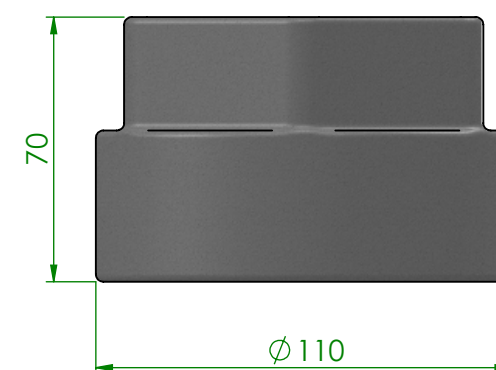
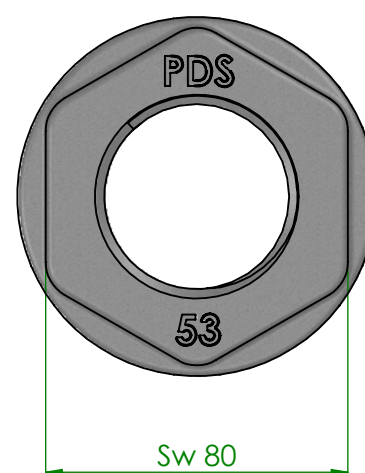
PDS R38/50
0,55 kg



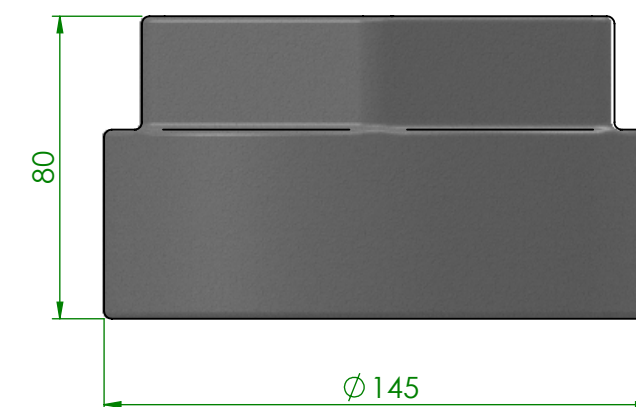
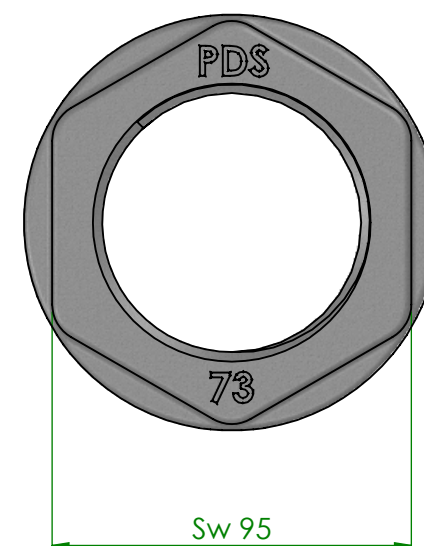
PDS 40/65
1,1 kg



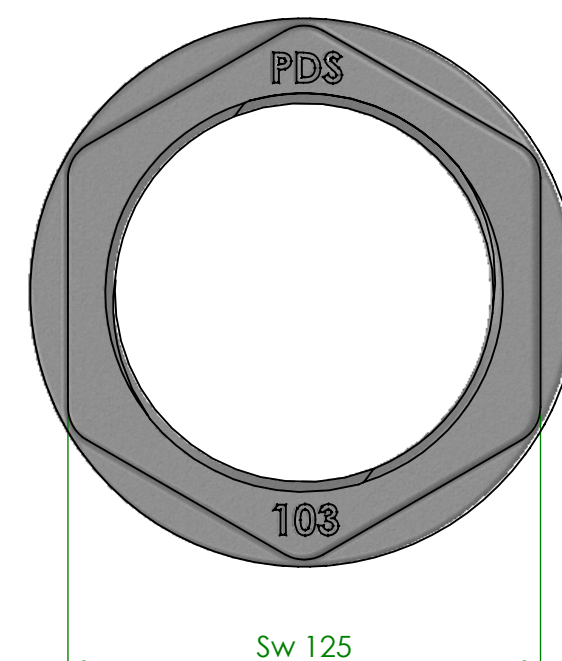
PDS 53/80
2,2 kg



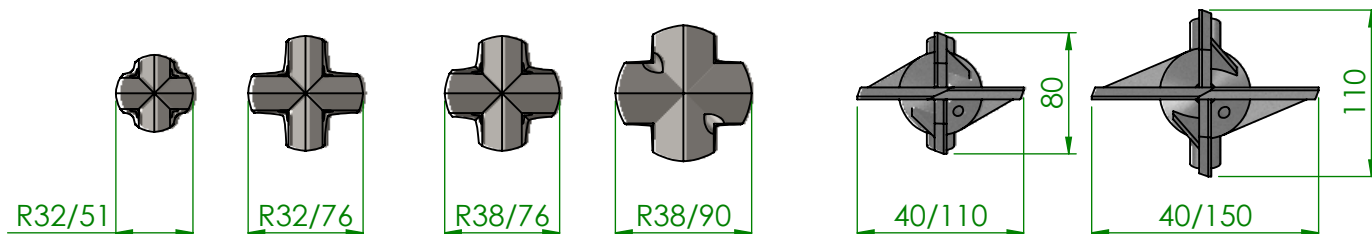
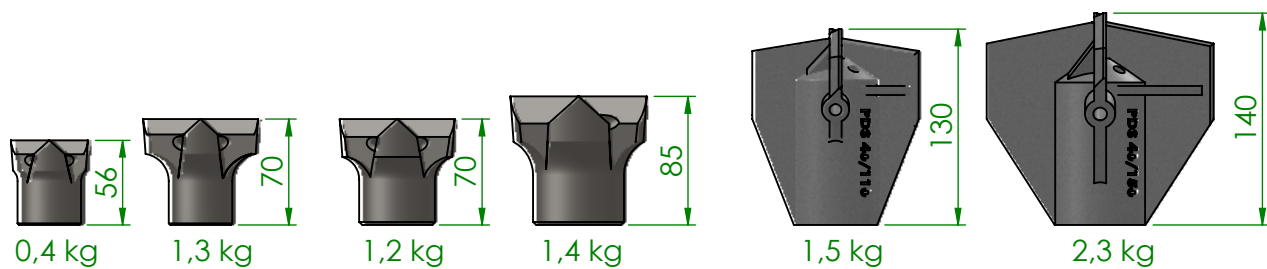
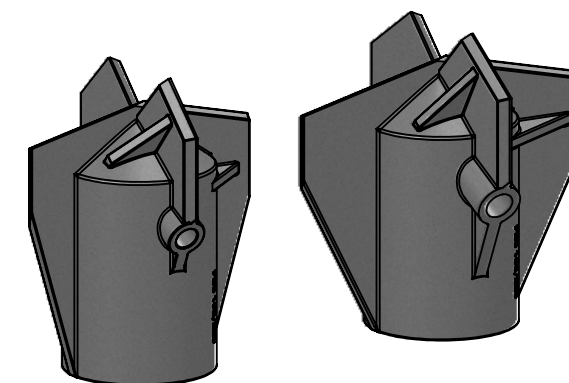
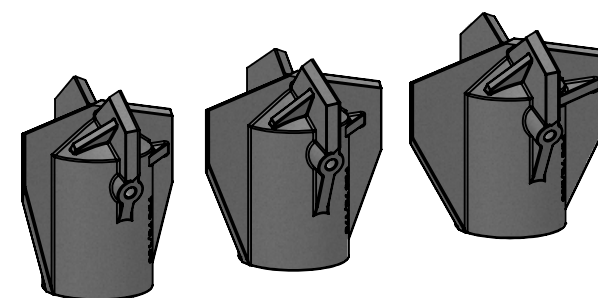
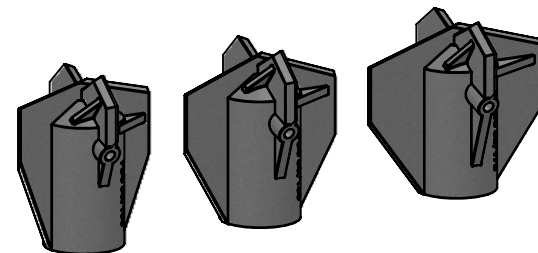
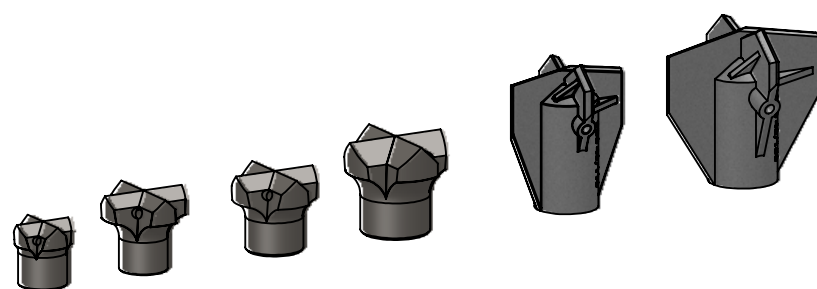
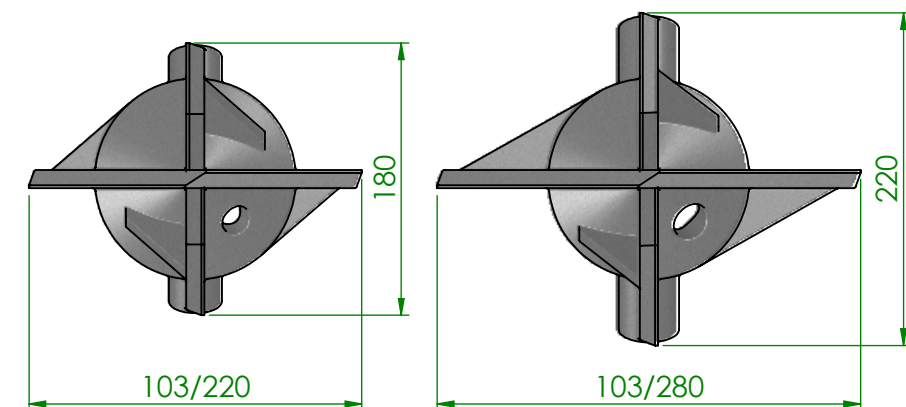
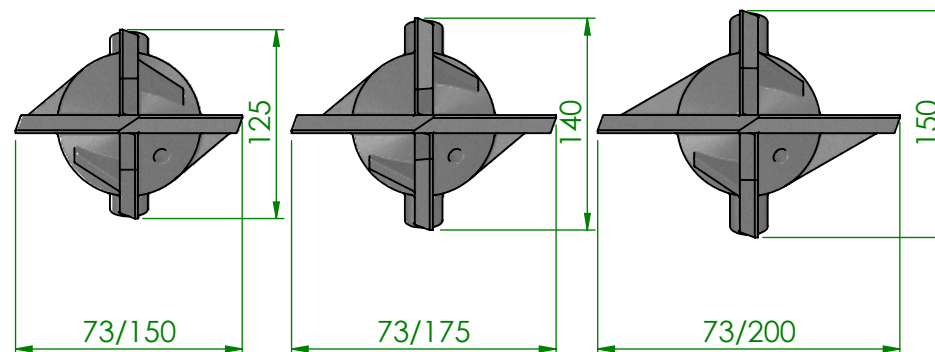
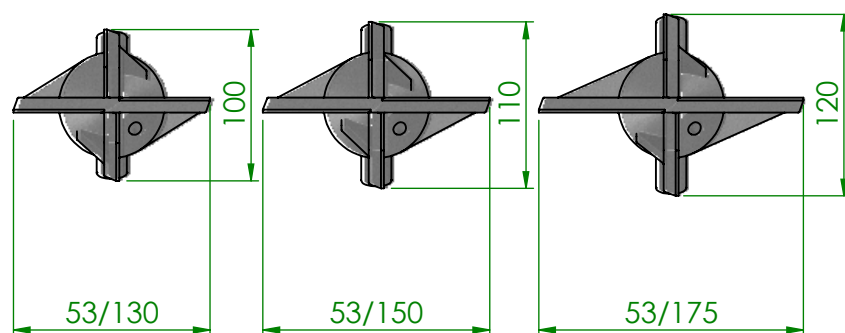
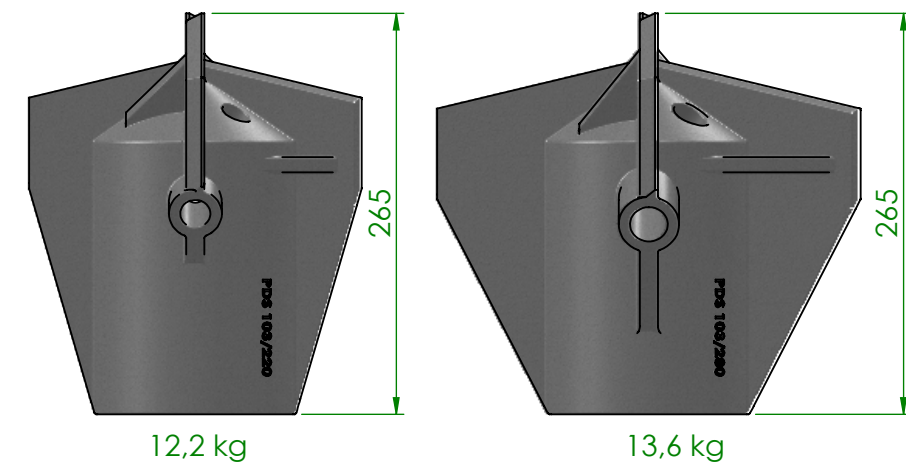
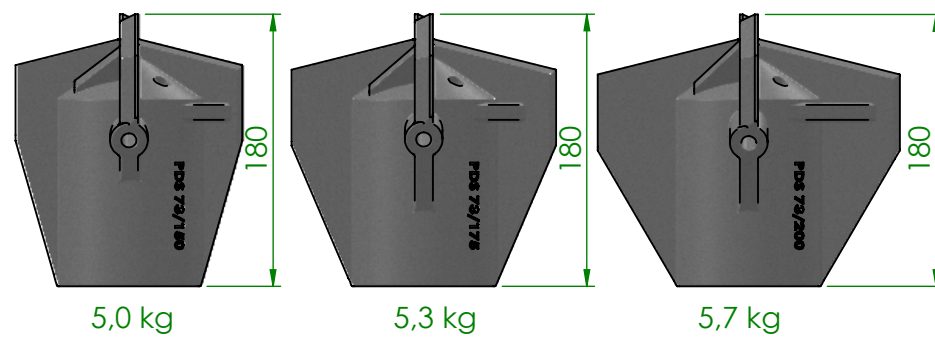
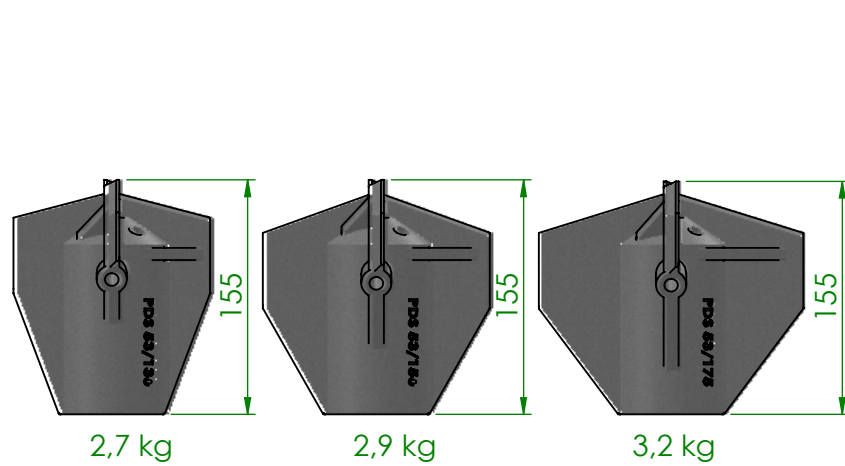
PDS 73/95
2,4 kg



PDS 103/125
4,1 kg



Nauwkeurigheidsgraad		Verspanende bewerkingen: DIN 7168-m		Lasconstructies: DIN 8570-A	
Datum	Naam	Paraaf	Rev	Wijziging	
30.05.2012			2	Materiaal: GGG50	
Schaal		PDS Zelfboorankers Ankermoeren			Type Nr
1/2					PDS
Code Nr					R32/46
AMR...					R38/50
					40/65
					53/80
					73/95
					103/125
 PENEN DRILLING SYSTEM NV.				Tekeningnummer	
				P-N-03-00-2 A3	
Nijverheidsstraat 5		Tel: 0032(0)3 311 50 80			
B-2390 Oostmalle		Fax: 0032(0)3 311 52 75			



Nauwkeurigheidsgraad		Verspanende bewerkingen: DIN 7168-m		Lasconstructies: DIN 8570-A	
Datum	Naam	Paraaf	Rev	Wijziging	
22.08.2012			3	Materiaal: GGG50	
Schaal		PDS Zelfboorankers Leemboorkronen			Type nr.
1/5					PDS R32/...- R38/...
Code Nr					40/...- 53/...
LBK					73/...- 103/...
 PENEN DRILLING SYSTEM NV.				Tekeningnummer	
				P-N-04-00-3 A3	
Nijverheidsstraat 5 B-2390 Oostmalle				Tel: 0032(0)3 311 50 80 Fax: 0032(0)3 311 52 75	

PDS - SELFDRILLING ANCHORS,

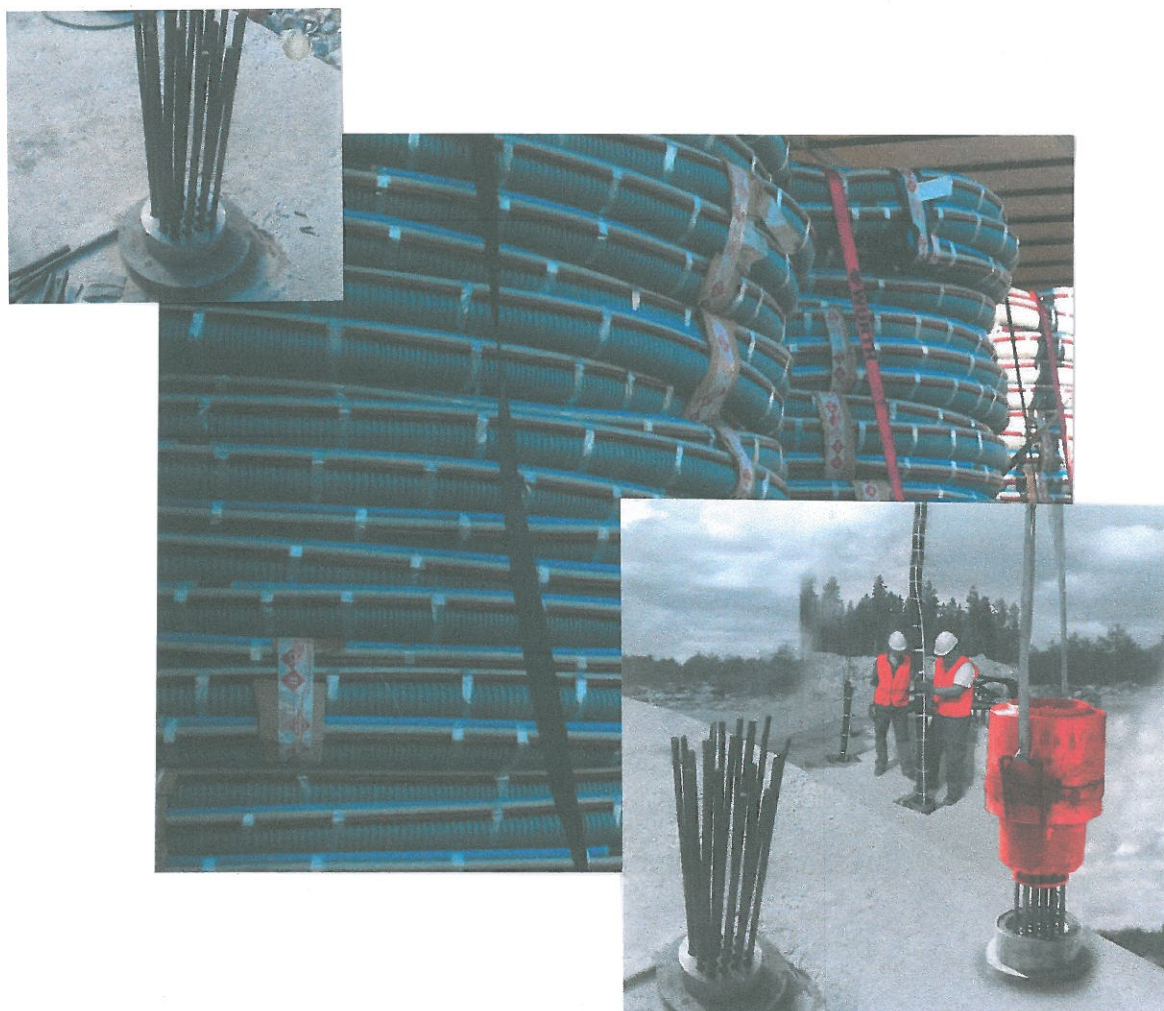
PDS - COUPLERS,

PDS - DRILLBITS

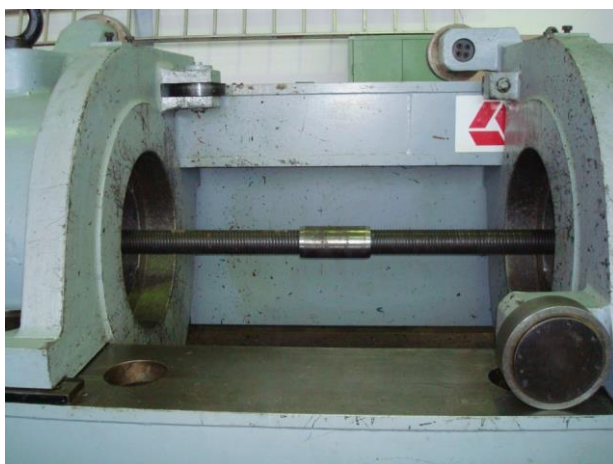


STRANDANCHORS

FOR STRANDANCHORS PDS REPRESENTS "CA.TI CARNICA TIRANTI SRL" ON THE BENELUX- AND SCANDINAVIAN MARKET



If you have any inquiry for provisional (P0) or permanent (P2) strandanchors please don't hesitate to contact us. We look forward to make a suitable and competitive offer.

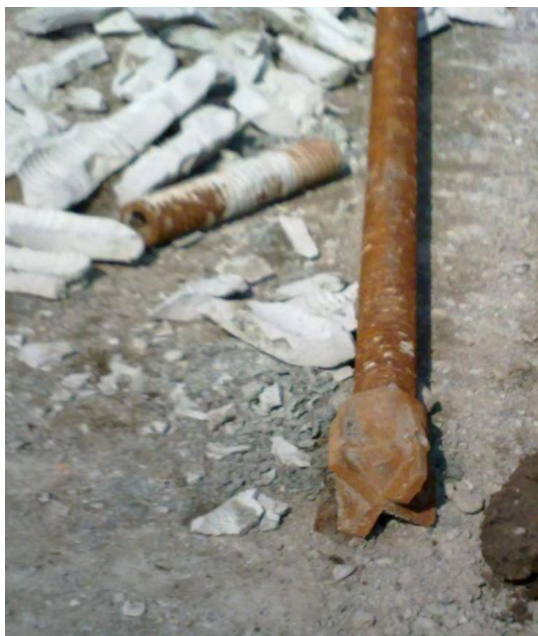


TESTS:

All PDS-selfdrillinganchors

are subject to extensive

testing and are CE marked

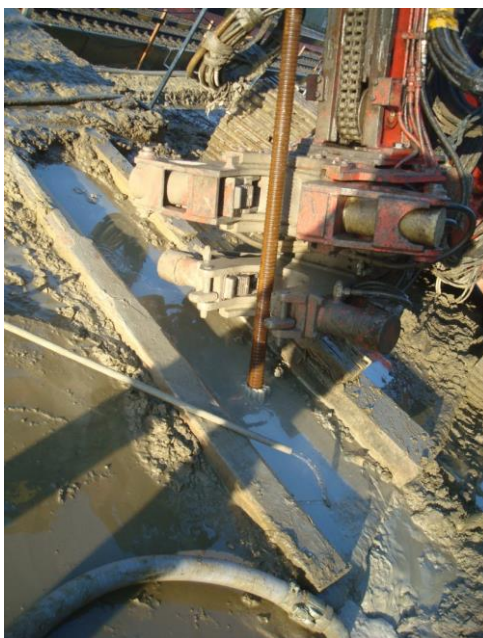


Also proven after use and

digging up,

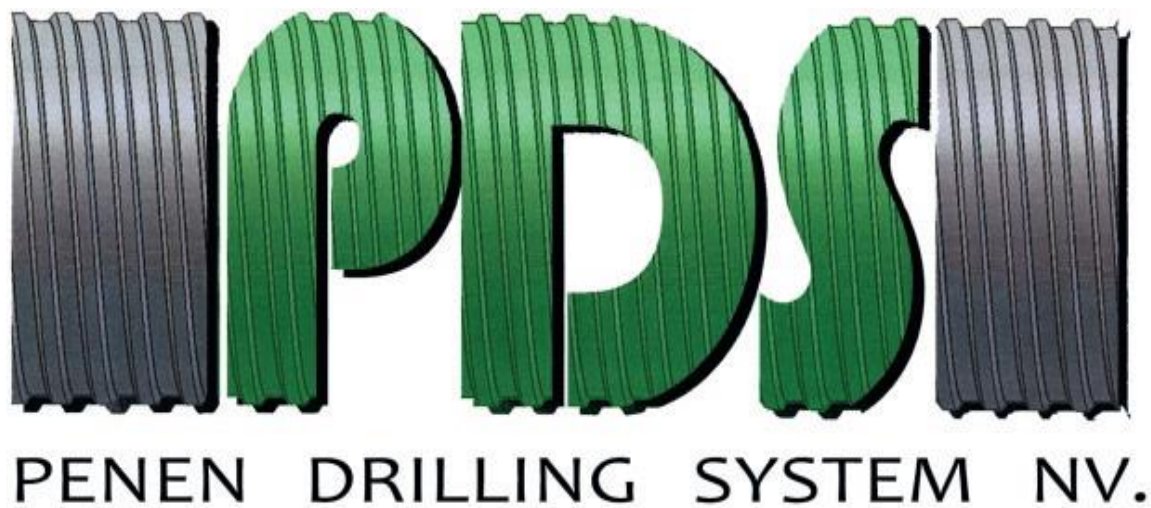
no unacceptable wear

to the PDS drillbits









YOUR PARTNER FOR ALL YOUR SELFDRILLING ANCHORS AND STRANDANCHORS

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