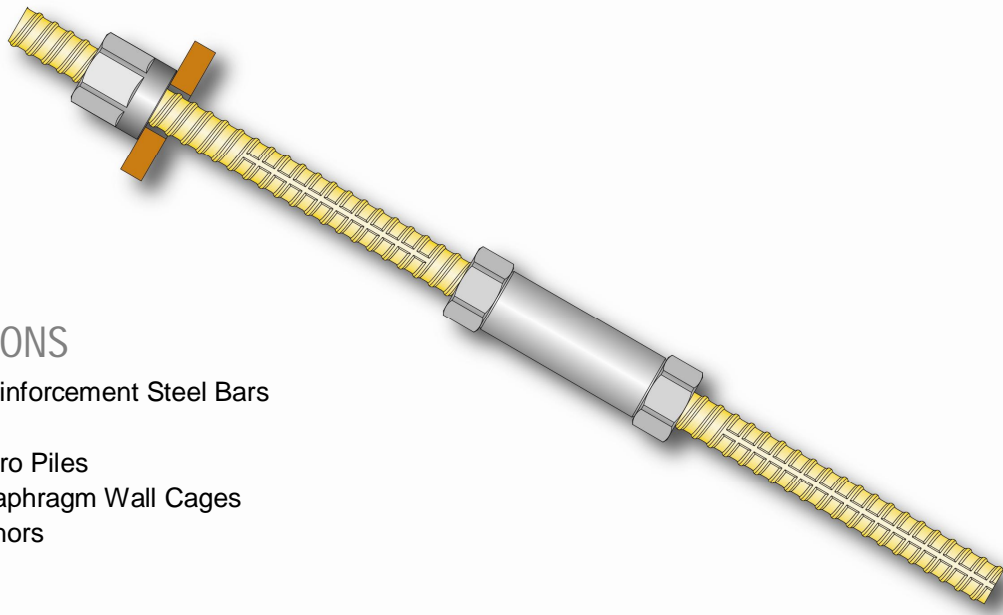


TEREX® BAR SYSTEM

Conforming to all major international rebar standards and produced under quality control system ISO9001 : 2008. The Terex® bars unique threadlike deformation for multipurpose application can be cut at any length and spliced with the Terex® coupler with minimal preparation without reducing the capacity of the bar.

The Terex® thread-like deformations, rolled as a typical rebar may be prepared by eliminating the longitudinal ribs at the end of the bar over a desired length leaving a highly durable coarse thread.

The elimination of longitudinal ribs can be performed with a small hand held hydraulic press, applied until the required length of thread has been achieved. The Terex® bar offers all the advantages of a fully threaded bar at the cost of a reinforcing bar. Ideal for heavy construction and geotechnical application.



APPLICATIONS

- Concrete Reinforcement Steel Bars
- Rock Bolts
- Mini and Micro Piles
- Piles and Diaphragm Wall Cages
- Ground Anchors
- Soil Nails
- Tie Rods

TEREX® BAR PROPERTIES

Steel Grade*	N/mm ²	500W (500/625)								
Nominal Bar Diameter	mm	16	18	20	25	28	32	40	50	63.5
Article No. 643 00 _ _ _ 3300	-	516	518	520	525	528	532	540	550	563
Nominal Sectional Area	mm ²	201	254	314	491	616	804	1257	1964	3167
Nominal Weight	kg/m	1.578	1.998	2.466	3.853	4.834	6.313	9.865	15.413	24.860
Bar Diameter D1	mm	15.1	17.2	19	23.8	26.2	30.5	38.4	48.1	60.6
Bar Diameter D2	mm	-	-	-	-	-	-	-	-	-
Over Thread Diameter DO	mm	17.3	19.4	21.4	27.2	30.2	34.9	43.4	53.5	66.0
Pitch, Left-hand Thread	mm	9	9	9	11	13	14	16	18	21
Min. Ultimate Load	kN	126	159	196	307	385	503	786	1228	1979
Min. Yield Load	kN	101	127	157	246	308	402	629	982	1584
Min. Elongation in 200mm	%	12	12	12	12	10	10	10	10	10

* Yield Strength at 0.2% Offset ($R_{0.2}$) / Ultimate Tensile Strength (R_m)

FLAT ANCHORAGE ACCESSORIES

System Grade	500W (500/625)								
Bar Diameter	16	18	20	25	28	32	40	50	63.5

NUTS

Anchor Nut (Casting) ¹		Article No. 478 ___ 3300	00 516	00 518	00 520	00 525	00 528	00 532	00 540	00 550	01 563
	L	mm	35	38	40	50	59	63	72	90	110
	SW	mm	27	30	36	41	46	55	65	85	100
	Unit Weight	kg	0.11	0.15	0.24	0.36	0.54	0.86	1.32	2.90	4.73

Anchor Nut (Machined)		Article No. 478 ___ 3300						11 532		02 550	11 563
	L	mm						63		85	110
	SW	mm						55		80	100
	Unit Weight	kg						0.97		2.60	5.03

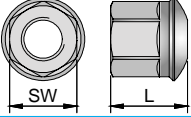
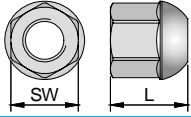
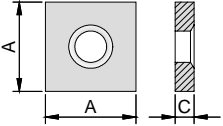
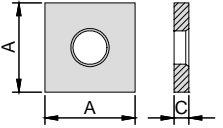
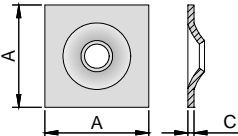
Anchor Piece (Casting)		Article No. 028 ___ 3300	00 516	00 518	00 520	00 525	00 528	00 532	00 540	00 550	00 563
	L	mm	35	38	40	50	59	63	72	90	110
	SW	mm	27	30	36	41	46	55	65	85	100
	D	mm	58	65	73	90	102	116	145	180	230
	Unit Weight	kg	0.23	0.31	0.46	0.81	1.21	1.81	3.22	6.30	12.38

PLATES

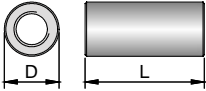
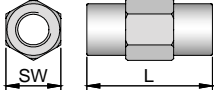
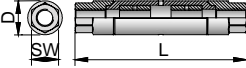
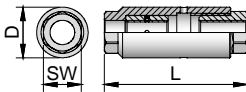
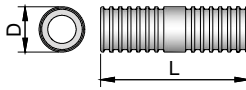
Anchor Plate		Article No. 021 ___ 3300	00 516	00 518	00 520	00 525	00 528	00 532	00 540	00 550	00 563
	A	mm	60	65	75	90	100	120	145	180	225
	C	mm	10	12	12	15	20	25	25	30	40
	Unit Weight	kg	0.26	0.36	0.48	0.87	1.44	2.58	3.80	7.05	14.69

1. Cast ductile iron for static load only

SPHERICAL ANCHORAGE ACCESSORIES

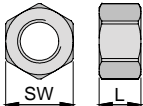
System Grade		500W (500/625)									
Bar Diameter		16	18	20	25	28	32	40	50	63.5	
NUTS											
Spherical Nut 30°		Article No. 475 ___ 3300	30 516	30 518	30 520	30 525	30 528	30 532	30 540	30 550	30 563
	L	mm	35	38	40	50	59	63	72	90	110
	SW	mm	27	30	36	41	46	55	65	85	100
	Unit Weight	kg	0.12	0.16	0.24	0.36	0.53	0.82	1.26	2.82	4.51
Spherical Nut 55°		Article No. 475 ___ 3300	00 516	00 518	00 520	00 525	00 528	00 532	00 540	00 550	00 563
	L	mm	35	38	45	57	59	63	72	90	110
	SW	mm	27	30	36	41	46	55	65	85	100
	Unit Weight	kg	0.11	0.15	0.25	0.39	0.51	0.78	1.24	2.74	4.46
PLATES											
Anchor Plate 30° max ±2°		Article No. 022 ___ 3300	30 516	30 518	30 520	30 525	30 528	30 532	30 540	30 550	30 563
	A	mm	60	70	80	100	110	120	150	190	240
	C	mm	12	15	15	20	25	25	30	40	50
	Unit Weight	kg	0.30	0.52	0.68	1.43	2.16	2.53	4.78	10.24	20.60
Anchor Plate 55° max ±7°		Article No. 022 ___ 3300	50 516	50 518	50 520	50 525	50 528	50 532	50 540	50 550	50 563
	A	mm	60	70	80	100	110	120	150	190	240
	C	mm	12	15	15	20	25	25	30	40	50
	Unit Weight	kg	0.29	0.51	0.66	1.39	2.08	2.46	4.62	9.92	19.93
Dish Anchor Plate		Article No. 037 ___ 3300	00 516	00 518	00 520	00 525	00 528	00 532			
	A	mm	150	150	150	180	200	200			
	C	mm	8	8	8	8	10	12			
	Unit Weight	kg	1.41	1.40	1.40	2.01	3.09	3.68			

COUPLER ACCESSORIES

System Grade		500W (500/625)									
Bar Diameter		16	18	20	25	28	32	40	50	63.5	
COUPLERS											
Standard Coupler ¹		Article No. 526 ___ 3300	00 516	00 518	00 520	00 525	00 528	00 532	00 540	00 550	00 563
	L	mm	70	80	90	100	117	120	144	180	220
	D	mm	30	30	34	42	50	55	70	85	100
	Unit Weight	kg	0.28	0.28	0.41	0.67	1.2	1.41	2.45	5.11	7.97
Cast Coupler ²		Article No. 527 ___ 3300	00 516	00 518	00 520	00 525	00 528	00 532	00 540	01 550	01 563
	L	mm	70	80	90	100	117	126	144	180	220
	SW	mm	27	30	32	41	46	55	65	85	100
	D	mm	27	30	32	41	46	53	65	85	100
	Unit Weight	kg	0.20	0.27	0.34	0.63	0.91	1.36	2.21	4.98	7.81
BBV Twin Shell Coupler		Article No. 545 ___ 3300						22 532	22 540	22 550	22 563
	L	mm						348	408	515	614
	D	mm						70	90	115	130
	SW	mm						55	65	80	100
	Unit Weight	kg						6.62	12.30	27.00	40.36
BBV CF Coupler		Article No. 547 ___ 3300						00 532	00 540	00 550	
	L	mm						328	375	442	
	SW	mm						55	65	80	
	D	mm						75	90	115	
	Unit Weight	kg						6.07	10.00	19.42	
Squeeze Coupler		Article No. 546 ___ 3300	00 516		00 520	00 525		00 532	00 540	00 550	
	L	mm	110		120	150		180	230	340	
	D	mm	30		36	45		57	71	86.5	
	Unit Weight	kg	0.34		0.53	1.04		2.09	4.02	8.99	

1. Machined steel
2. Cast ductile iron for predominantly static load only

LOCK NUT ACCESSORIES

System Grade		500W (500/625)									
Bar Diameter		16	18	20	25	28	32	40	50	63.5	
NUTS											
Lock Nut - Small ¹		Article No. 477 ___ 3300	01 516	01 518	01 520	01 525	01 528	01 532	01 540	01 550	01 563
	L	mm	20	20	20	25	30	34	40	50	70
	SW	mm	27	30	36	41	46	55	65	85	100
	Unit Weight	kg	0.06	0.08	0.11	0.17	0.26	0.43	0.68	1.51	2.74

1. Lock Nut or Counter Nut are used to engage the threads only and should not be use to transfer structural loads.
2. Use Anchor Nuts as Lock Nut big w hen using hydraulic torque w rench.

We reserve the right to make changes and improvements to the products and/or the process which may result in benefit and/or changes to physical/mechanical characteristics.

The data contained herein are considered representative of current production and is believed to be reliable and to represent the best available characterization of the product as of July 2011