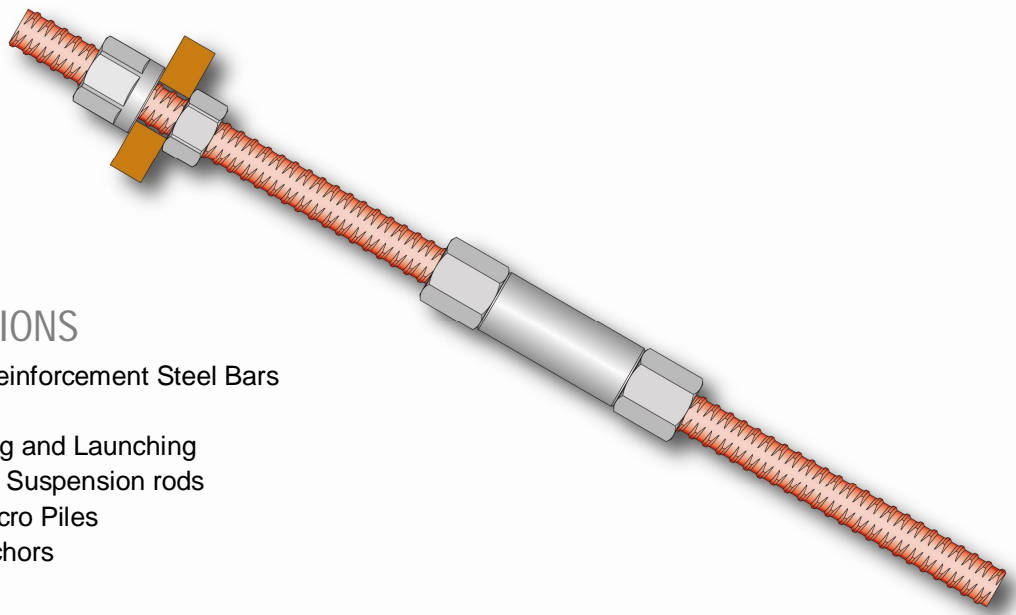


BAREX BAR SYSTEM

Conforming to all major international standards and produced under quality control system ISO9001 : 2008 with a robust hot rolled continues thread profile offering high durability and bond strength.

Can be cut off and spliced at any length with BBV standard coupler without any further preparation. supported with a wide range of proprietary accessories for multiple application.

Ideal for permanent or temporary ground anchors and mini piles. May be supplied with Double Corrosion protection (DCP) including factory pre grouted encapsulation within corrugated sheathing in accordance with BS8081 & EN1537 for aggressive ground conditions.



APPLICATIONS

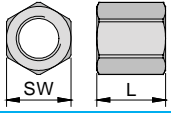
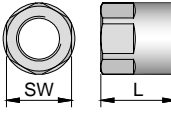
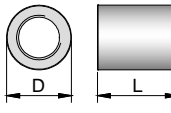
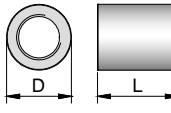
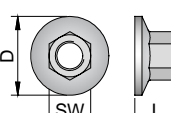
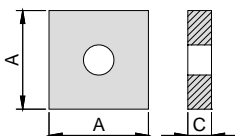
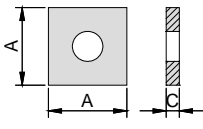
- Concrete Reinforcement Steel Bars
- Tie Rods
- Heavy Lifting and Launching
- Hanger and Suspension rods
- Mini and Micro Piles
- Ground Anchors
- Soil Nails
- Rock Bolts

BAREX BAR PROPERTIES

Steel Grade*	N/mm ²	500/550					555/700				
Nominal Bar Diameter	mm	25	32	40	50	63.5	25	32	40	50	63.5
Article No. 642 00 ___ 3100	-	432	434	435	436	437	442	444	445	446	447
Nominal Sectional Area	mm ²	491	804	1260	1963	3167	491	804	1260	1963	3167
Nominal Weight	kg/m	3.85	6.31	9.87	15.4	24.86	3.85	6.31	9.87	15.4	24.86
Bar Diameter D1	mm	24.5	31.3	39.1	48.8	62.4	24.5	31.3	39.1	48.8	62.4
Bar Diameter D2	mm	24.0	30.7	38.5	48.2	61.6	24.0	30.7	38.5	48.2	61.6
Over Thread Diameter DO	mm	27.7	35.5	43.9	54.2	67.8	27.7	35.5	43.9	54.2	67.8
Pitch, left-hand thread	mm	12.5	16	20	20	21	12.5	16	20	20	21
Ultimate Load	kN	270	442	693	1080	1742	344	563	882	1374	2217
Yield Load	kN	246	402	630	982	1584	273	446	699	1089	1758

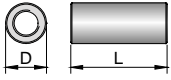
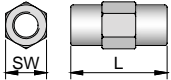
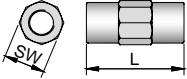
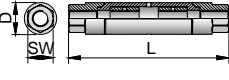
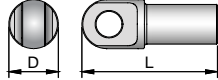
* Yield Strength at 0.2% Offset ($R_{0.2}$) / Ultimate Tensile Strength (R_m)

FLAT ANCHORAGE ACCESSORIES

System Grade		500/550 or 555/700				
Bar Diameter		25	32	40	50	63.5
NUTS						
Anchor Nut - Full Hex	Article No. 478 __ __ 3100	00 442	00 444	00 445	01 446	
	L mm	50	60	70	85	
	SW mm	41	55	60	80	
	Unit Weight kg	0.35	0.80	0.96	2.26	
Anchor Nut - Partial Hex	Article No. 478 __ __ 3100				00 446	00 447
	L mm				85	115
	D mm				95	110
	SW mm				85	100
	Unit Weight kg				2.89	5.08
Round Nut	Article No. 482 __ __ 3100	00 442	00 444	00 445	00 446	00 447
	L mm	50	60	70	85	115
	D mm	42	55	60	80	100
	Unit Weight kg	0.32	0.69	0.79	1.93	4.00
Round Nut - half coupler	Article No. 482 __ __ 3100					01 447
	L mm					125
	D mm					100
	Unit Weight kg					4.35
Anchor Piece	Article No. 028 __ __ 3100	00 442	00 444	00 445	00 446	00 447
	L mm	45	60	70	85	115
	D mm	70	100	120	150	250
	SW mm	41	55	60	80	100
	Unit Weight kg	0.46	1.22	1.70	3.99	11.66
PLATES						
Anchor Plate S02	Article No. 021 __ __ 3100	02 442	02 444	02 445	02 446	02 447
	A mm	90	120	150	190	240
	C mm	20	25	30	40	50
	Unit Weight kg	1.16	2.58	4.87	10.51	21.10
Anchor Plate S03	Article No. 021 __ __ 3100	03 442	03 444	03 445	03 446	03 447
	A mm	80	100	130	160	200
	C mm	15	20	25	30	40
	Unit Weight kg	0.67	1.37	2.96	5.41	11.35

1. Special size anchor plates can also be produced upon special arrangement.


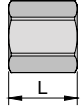

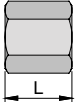

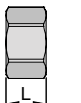
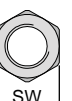
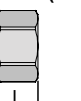
COUPLER ACCESSORIES

System Grade		500/550 or 555/700				
Bar Diameter		25	32	40	50	63.5
COUPLERS						
Straight Round Coupler ¹						
	Article No. 526 ___ 3100	00 442	00 444	00 445	00 446	00 447
L	mm	115	140	160	200	260
D	mm	40	55	70	85	100
Unit Weight	kg	0.62	1.60	3.08	5.56	8.99
Cast Coupler ²						
	Article No. 527 ___ 3100	00 442	00 444	00 445	00 446	
L	mm	115	140	160	200	
SW	mm	41	55	70	85	
Unit Weight	kg	0.68	1.56	3.03	5.43	
Cast Coupler ²						
	Article No. 527 ___ 3100					00 447
L	mm					260
SW	mm					110
Unit Weight	kg					11.72
BBV Twin Shell Coupler®						
	Article No. 545 ___ 3100		22 444	22 445	22 446	22 447
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
Lifting Coupler ¹						
	Article No. 529 ___ 3100				00 446	
L	mm				288	
D	mm				105	
Unit Weight	kg				8.78	

1. Machined steel

2. Cast ductile iron for predominantly static load only

LOCK NUT ACCESSORIES

System Grade		500/550 or 555/700					
Bar Diameter		25	32	40	50	63.5	
NUTS							
Lock Nut Big (Casting)		Article No. 447 ___ 3100	00 442	00 444	00 445	00 446	00 447
		L mm	40	50	70	85	110
		SW mm	41	50	60	80	90
		Unit Weight kg	0.28	0.44	0.89	2.10	2.84
Lock Nut Big (Machined)		Article No. 447 ___ 3100				30 446	
		L mm				80	
		SW mm				80	
		Unit Weight kg				2.12	
Lock Nut Small (Casting)		Article No. 447 ___ 3100	01 442	01 444	01 445	01 446	01 447
		L mm	25	30	35	50	75
		SW mm	41	50	60	80	90
		Unit Weight kg	0.16	0.27	0.45	1.22	1.92
Lock Nut Small (Machined)		Article No. 447 ___ 3100				03 446	
		L mm				50	
		SW mm				80	
		Unit Weight kg				1.32	

1. Lock nut or counter nut are used to engage the threads only and should not be use to transfer structural loads.
2. Use Lock Nut big or Full Force Hex Nuts 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 June 2011