Technical Data

Pump Name 3D 32-125/1.1

Customer	Date 2026-05-13	Company
Contact	Item no.	Issued by
Phone	Project	Phone
E-mail	Project ID	E-mail

Requested data

1	Pump type		CENTRIFUGAL PUMPS	Fluid		Water
2	Number of pumps / Reserve		1 / 0	Liquid temperature	°C	20
3	Flow	m³/h		Kin. viscosity	mm²/s	1.005
4	Head	m		Vapour pressure	kPa	2.34
5	Geodetic head	m		PH value		
6	Inlet pressure (pin)	kPa	0	Density	kg/m³	998.3
7	Available system NPSH			Solids	Weight %	0
8	Ambient temperature	°C	20			

Pump

9	Pump Name		3D 32-125/1.1	Frequency		Hz	50
10	Design		CENTRIFUGAL PUMPS	Installation type			STANDARD
11	Manufacturer		EBARA	Impeller Diameter	Max.	mm	133
12	Speed	1/min	2900		Designed	mm	133
13	No. of Stage		1		Min.	mm	133
14	Connection Suction side		EN 1092-2	Flow	Operating	m³/h	
15	Connection Discharge side		EN 1092-2		Max-	m³/h	20
16	Max Working Pressure	kPa	1000		Min-	m³/h	6
17	Shut-off head	kPa	225.24	Head	Operating	m	
18	Total weight	kg	See the table of "Dimensions".		- (Qmax.)	m	12.5
19	Shaft power	kW			- (Qmin.)	m	22.4
20				Max. Shaft Power at max. impeller		kW	1.12
21	Required pump NPSH	m		Efficiency		%	

Materials

22	Impeller	AISI 304		
23	Casing	Cast iron		
24	Shaft	AISI 304 (wet extension)		
25				
26				
27				

Motor

28	Manufacturer	EPE Standard	Insulation class		F
29	Type	TEFC_3D 32-125/1.1_400_Three Phase	Phases		3~
30	Specific design	IE3 / 50 Hz / Pole pairs 1	Frame size		
31	Rated power kW	1.1	Weight	kg	
32	Number of poles	2	Electric voltage	V	400
33	Speed 1/min	2900	Electric current	A	3.3
34	Degree of protection	IP 55			
35					

Remarks

EBARA

Performance Curve

Pump Name 3D 32-125/1.1

Customer	Date 2026-05-13	Company
Contact	Item no.	Issued by
Phone	Project	Phone
E-mail	Project ID	E-mail

Requested data

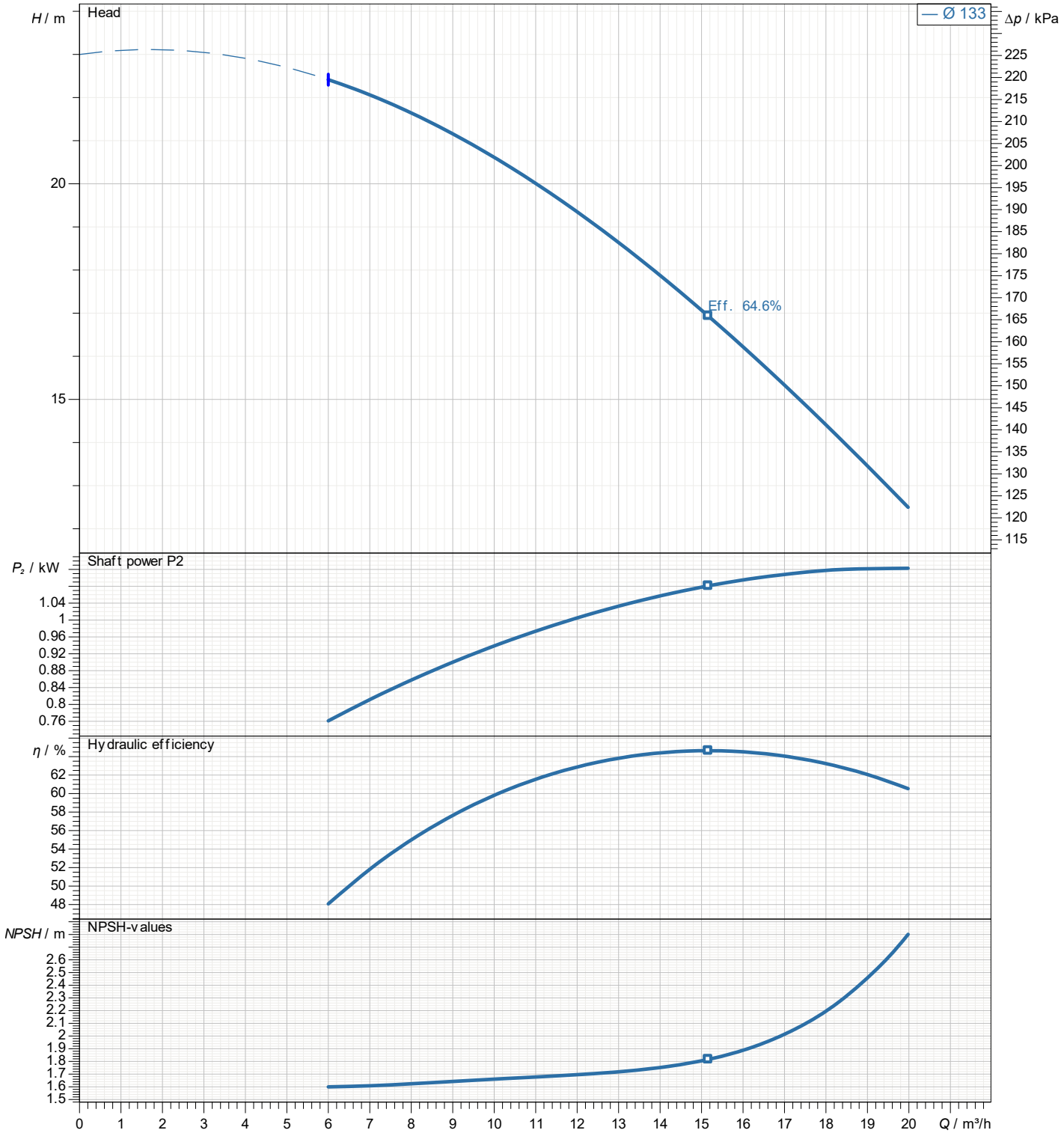
1	Flow	m³/h	
2	Head	m	
3	Geodetic head	m	

Pump

Operating flow	m³/h		Frequency	Hz	50
Operating head	m		Number of poles		2
Impeller diameter designed	mm	133	Speed	1/min	2900

Test standard: ISO 9906:2012 - Grade3B

Water; 20°C; 998.3kg/m³; 1mm²/s

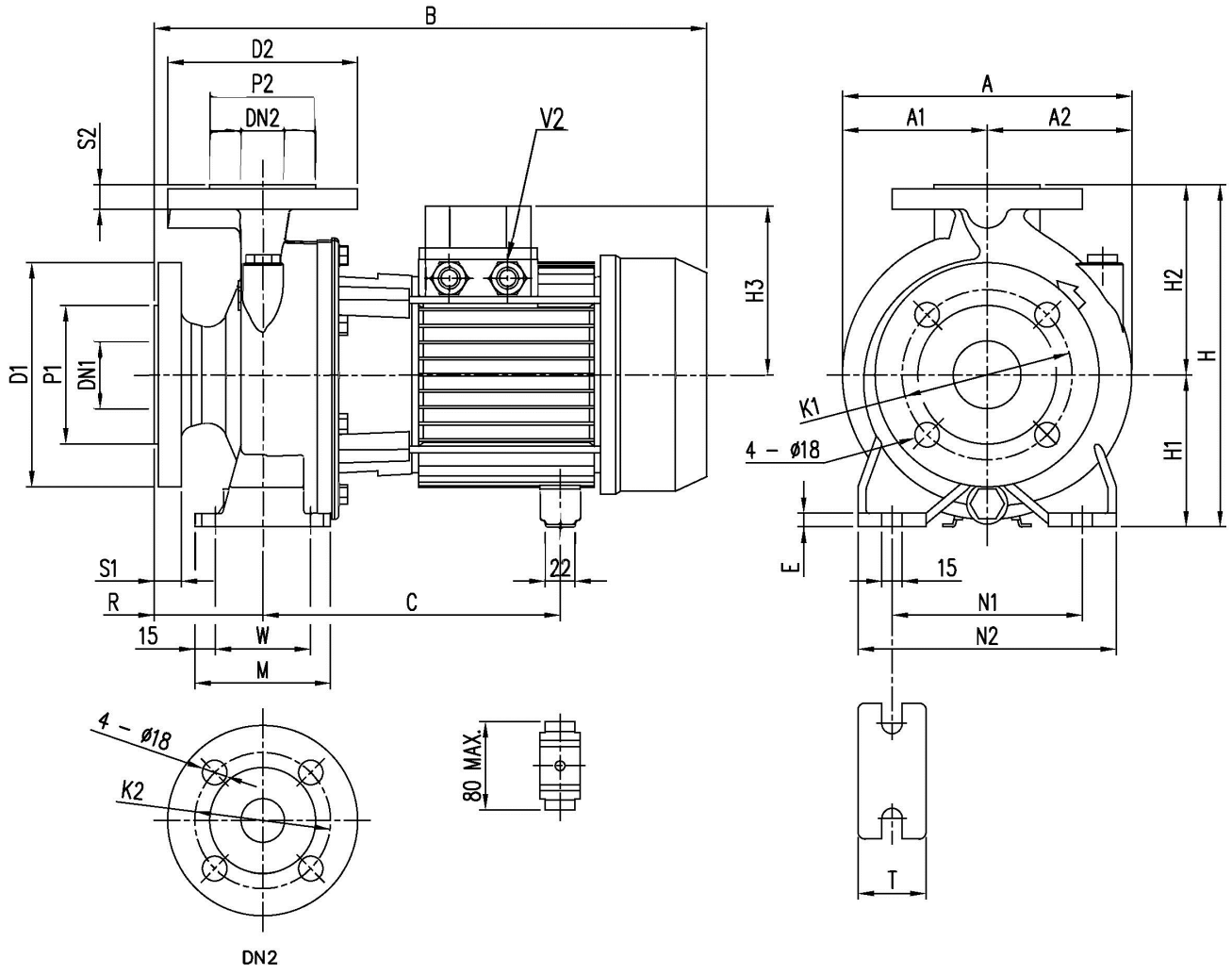


EBARA

Dimensions

Pump Name 3D 32-125/1.1

Customer	Date 2026-05-13	Company
Contact	Item no.	Issued by
Phone	Project	Phone
E-mail	Project ID	E-mail



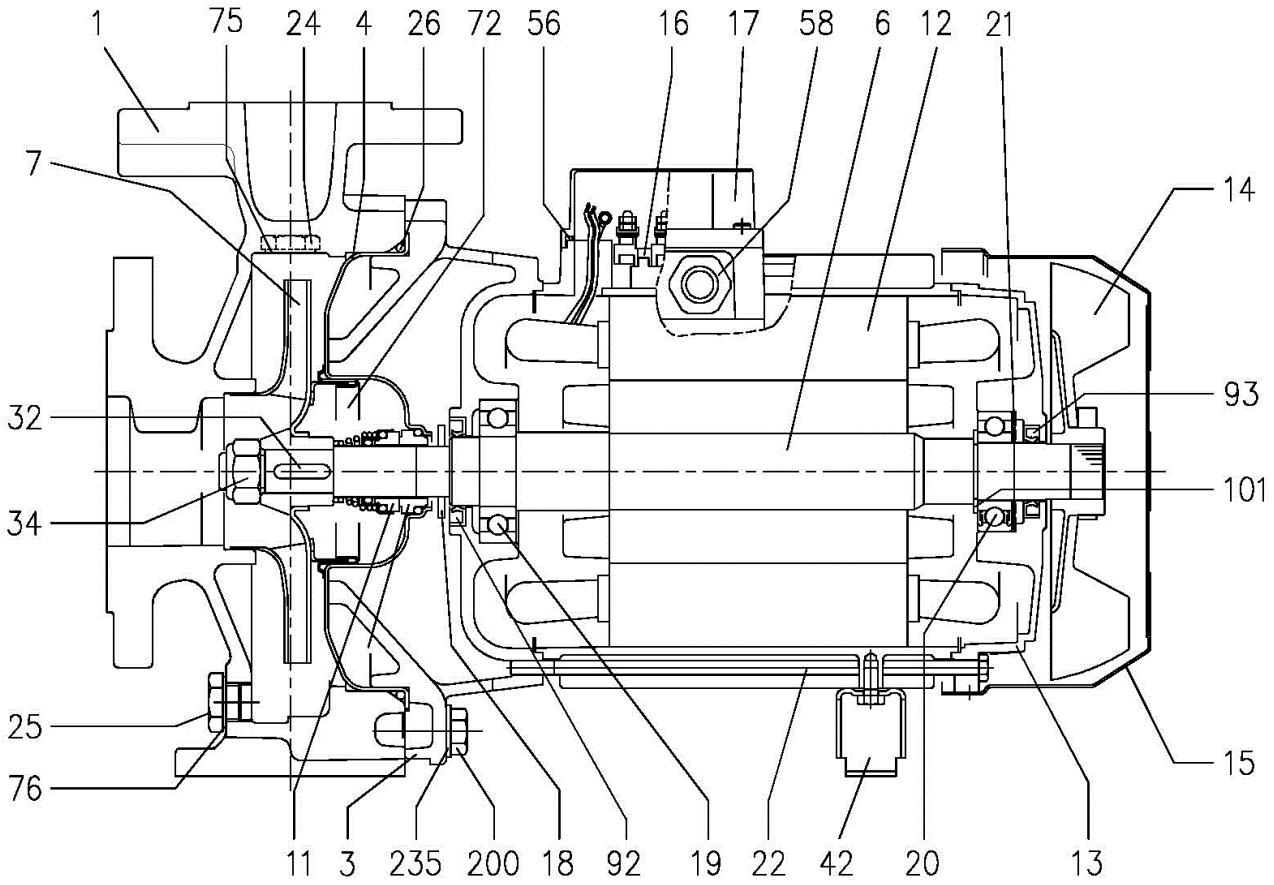
Dimensions in mm								
1	A	213	H1	112				
2	A1	106.5	H2	140				
3	A2	106.5	H3	119				
4	B	431	M	100				
5	C	232	N1	140				
6	Dia D1	165	N2	190				
7	Dia D2	140	R	80				
8	Dia DN1	50	S1	20				
9	Dia DN2	32	S2	18				
10	Dia K1	125	T	50				
11	Dia K2	100	V2	M16X1,5				
12	Dia P1	102	W	70				
13	Dia P2	78	Weight P&M	29,5 kg				
14	E	10						
15	H	252						

EBARA

(1/3)
Construction

Pump Name 3D 32-125/1.1

Customer	Date 2026-05-13	Company
Contact	Item no.	Issued by
Phone	Project	Phone
E-mail	Project ID	E-mail



(2/3)
Construction

Pump Name 3D 32-125/1.1

Customer	Date	2026-05-13	Company
Contact	Item no.		Issued by
Phone	Project		Phone
E-mail	Project ID		E-mail

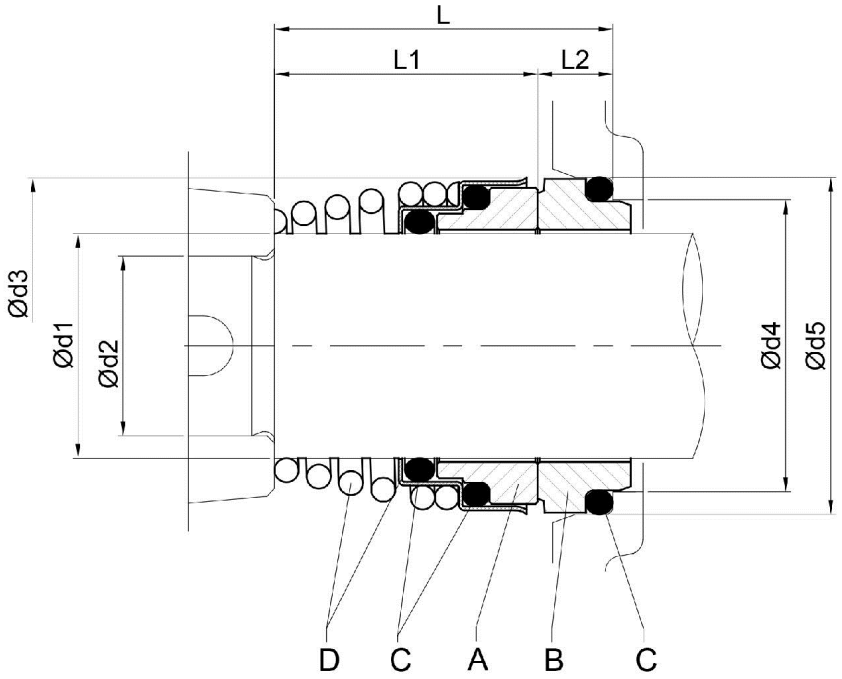
N°	PART NAME	MATERIAL	DIMENSIONS	STANDARD	Q.TY
1	Casing	Cast iron EN-GJL-250-EN 1561			1
3	Motor bracket [1]	-			1
4	Casing cover	EN 1.4301 (AISI 304)			1
6	Shaft with rotor - Wet extension	EN 1.4301 (AISI 304)			1
7	Impeller [2]	-			1
11	Mechanical seal [3]	-			1
12	Motor frame with stator	-			1
13	Motor cover	Aluminium			1
14	Fan	PA			1
15	Fan cover	Fe P04 Galvanized			1
16	Terminal	-			1
17	Terminal box cover	Aluminium (three phase version)			1
18	Splash ring Up to 11 kW	NBR	40x21.5x2	EBARA DRAWING	1
19	Bearing [10]	-			1
20	Bearing [10]	-			1
21	Adjusting ring	Steel C70			1
22	Tie rod — Up to 3 kW	Fe 42 Galvanized	M5	EBARA DRAWING	4
	Tie rod — For 4 - 5.5 - 7.5 kW		M6		
	Tie rod — 9.2 e 11 kW		M8		
24	Priming plug	Brass	G 3/8" L=8		1
25	Draing plug	Brass	G 3/8" L=8		1
26	O-ring — 32-125, 40-125 [4]	NBR/FPM/EPDM	158.11x5.34	OR 6625	1
	O-ring — 32-160, 40-160, 50-125, 65-125 [4]		183.52x5.34	OR 6720	
	O-ring — 32-200, 40-200, 50-160, 50-200/9.2, 50-200/11, 65-160/7.5, 65-160/9.2, 65-160/11 [4]		227.96x5.34	OR 6895	
32	Key Up to 11 kW	EN 1.4401 (AISI 316)	A 6x6x25	UNI 6604	1
34	Impeller nut Up to 11 kW	EN 1.4301 (AISI 304)	M16x1.5	UNI 7474	1
42	Foot	Aluminium / Galvanized steel		EBARA DRAWING	1
56	Box gasket	NBR			1
58	Cable gland	-			1
72	Casing ring [5]	EN 1.4301 (AISI 304)			1
75	Washer	Aluminum	22x17x1.5	EBARA DRAWING	1
76	Washer	Aluminum			1
92	Lip seal — Up to 3 kW	-	25x40x7	DIN 3760 without spring	1
	Lip seal — From 4 to 7.5 kW		30x47X7		
	Lip seal — From 9.2 kW to 11 kW		40x55x7		
93	Lip seal — Up to 4 kW	-	25x40x7	DIN 3760 without spring	1
	Lip seal — From 5.5 kW to 7.5 kW		30x47X7		
	Lip seal — From 9.2 kW to 11 kW		40x55x7		
101	Snap ring [6]	Carbon tool steels TC 80	Ø 40	UNI 7435	1
200	Screw — 32-125, 40-125	Gv. Steel 8.8 strenght class ISO 898-1	M 8x30	UNI 5739	8
	Screw — 32-160, 40-160, 50-125, 65-125		M 10x35		10
	Screw — 32-200, 40-200, 50-160, 50-200/9.2, 50-200/11, 65-160/7.5, 65-160/9.2, 65-160/11				12
235	Washer — 32-125, 40-125	Galvanized Steel	8.4x17	UNI 6592	8
	Washer — 32-160, 40-160, 50-125, 65-125		10.5x21		10
	Washer — 32-200, 40-200, 50-160, 50-200/9.2, 50-200/11, 65-160/7.5, 65-160/9.2, 65-160/11				12

[1] Cast iron EN-GJL-200-EN 1561 for 3D 32-200/3
Aluminum AL-EN-1706-AC-46000-D for all the others
[2] EN 1.4301 (AISI 304) for 32, 40, 50 series
EN 1.4401 (AISI 316) for 65 series
[3] See **CONSTRUCTION 3**
[4] See **CONSTRUCTION 3**, "O-ring" column
[5] Only for: 32-200, 40-200, 50-160, 50-200/9.2, 50-200/11
[6] Only for pumps with 9.2 and 11 kW motor

(3/3)
Construction

Pump Name 3D 32-125/1.1

Customer	Date 2026-05-13	Company
Contact	Item no.	Issued by
Phone	Project	Phone
E-mail	Project ID	E-mail



Pump type	Dimensions [mm]								Material Standard			
	d1	d2	d3	d4	d5	L	L1	L2	A Rotary seal ring	B Stationary seal ring	C O-ring	D Frame + Spring
32-125/160/200 40-125/160/200 50-125/160/200 65-125 65-160/7.5-9.2-11	22	19	38	31	37	37.5	27.5	10	Ceramic	Carbon	NBR	EN 1.4301 (AISI 304)