

Číslo certifikátu	Názov produktu	DN	Potrúbná trieda	Materiál
Number of certificate	Produkt	DN	Pipe class	Materiál
007801	Koleno 60°/ Elbow 60°	150	BA 25 C1	ST 35.81
008069	Koleno 90°/ Elbow 90°	15	AA 10 C1	ST 35.81
008070	Navarovacia prírubá/ Welding neck flange	15	ZB 10 C1	1.4541
008071	Rúra / Pipe welded	15	ZB 10 C1	1.4541
008072	Koleno 90°/ Elbow 90°	25	ZB 10 C1	1.4541
008073	Rúra / Pipe welded	25	ZB 40 C1	1.4541
008074	Koleno 90°/ Elbow 90°	25	AA 10 C1	1.0254
008075	Navarovacia prírubá/ Welding neck flange	25	ZB 10 C1	1.4541
008076	Navarovacia prírubá/ Welding neck flange	25	AA 10 C1	1.0038
008077	Koleno 90°/ Elbow 90°	50	ZB 10 C1	1.4541
008078	T-kus -redukcia/ Tee, reduced	25/15	ZB 10 C1	1.4541
008079	Navarovacia prírubá/ Welding neck flange	40	AA 10 C1	1.0038
008080	Rúra / Pipe welded	25	AA 10 C1	1.0254
008081	T-kus -redukcia/ Tee, reduced	25/15	AA 10 C1	1.0254
008082	Redukcia konc. / Reducer, concentric	50 – 25	AA 10 C1	1.0254
008083	Redukcia konc. / Reducer, concentric	50 – 40	AA 10 C1	1.0254
008084	Redukcia konc. / Reducer, concentric	50 – 25	AA 10 C1	1.0254
008085	T – kus / Tee	50	AA 10 C1	1.0254
008086	Koleno 90°/ Elbow 90°	50	AA 10 C1	1.0254
008087	Blind prírubá / Blind flange PN 16	50	AA 10 C1	1.0038
008088	Navarovacia prírubá/ Welding neck flange	50	ZB 10 C1	1.4541
008089	Skrutky / Bolts			
008090	Koleno 90°/ Elbow 90°	15	ZB 10 C1	1.4541
008091	Navarovacia prírubá/ Welding neck flange	15	AA 10 C1	1.0038
008092	Navarovacia prírubá/ Welding neck flange	50	AA 10 C1	1.0038
008093	Koleno 90°/ Elbow 90°	65	AA 16 C1	1.0254
008094	Navarovacia prírubá/ Welding neck flange	65	AA 10 C1	1.0254
008095	Koleno 90°/ Elbow 90°	80	AA 10 C1	1.0254
008096	Blind prírubá / Blind flange PN 16	80	AA 10 C1	1.0038
008097	Navarovacia prírubá/ Welding neck flange	80	ZB 10 C1	1.4541
008098	Navarovacia prírubá/ Welding neck flange	80	AA 10 C1	1.0038
008099	Koleno 90°/ Elbow 90°	100	AA 10 C1	1.0254
008100	Navarovacia prírubá/ Welding neck flange	100		1.0254
008101	T-kus -redukcia/ Tee, reduced	80/50		1.0254
008102	T-kus -redukcia/ Tee, reduced	80/40	AA 16 C1	1.0254
008103	T – kus / Tee	80	AA 10 C1	1.0254
008104	T-kus -redukcia/ Tee, reduced	80/50	AA 16 C1	1.0254
008105	Dienko/Cap	80	AA 10 C1	1.0254
008106	Redukcia konc. / Reducer, concentric	50 – 25	AA 10 C1	1.0254
008107	T – kus / Tee	25	AA 10 C1	1.0254
008108	Dienko/Cap	25	AA 10 C1	1.0254
008109	T – kus / Tee	15	AA 10 C1	1.0254
008110	Rúra / Pipe seamless	15	AA 10 C1	1.0254
008111	Rúra / Pipe seamless	50	AA 10 C1	1.0254
008112	Rúra / Pipe seamless	65	AA 16 C1	1.0254

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Number of certificate	Produkt	DN	Pipe class	Materiál
008113	Rúra / Pipe seamless	80	AA 10 C1	1.0254
008114	Rúra / Pipe seamless	100		1.0254
008115	T – kus / Tee	15	ZB 10 C1	1.4541
008116	Redukcia konc. / Reducer,concentric	50 – 25	ZB 10 C1	1.4541
008117	Redukcia konc. / Reducer,concentric	80 – 50		1.4541
008118	Navarovacia príruha/ Welding neck flange	100	BA 25 C1	C22.8
008119	Navarovacia príruha/ Welding neck flange	150	BA 25 C1	C22.8
008120	Navarovacia príruha/ Welding neck flange	200	BA 25 C1	C22.8
008121	Navarovacia príruha/ Welding neck flange	50	ZB 10 C1	1.4541
008122	Navarovacia príruha/ Welding neck flange	250	ZB 25 C1	1.4541
008123	Navarovacia príruha/ Welding neck flange	25	ZB 40 C1	1.4541
008124	Navarovacia príruha/ Welding neck flange	100	AA 63 C1	C22.8
008125	Rúra / Pipe seamless	10		1.4541
008126	Rúra / Pipe welded	100	AA 63 C1	ST 35.81
008127	Rúra / Pipe welded	50	ZB 40 C1	1.4541
008128	Rúra / Pipe welded	150	ZB 40 C1	1.4541
008129	Rúra / Pipe welded	250	ZB 40 C1	1.4541
008130	Rúra / Pipe welded	350	AA 40 C1	ST 35.81
008131	Rúra / Pipe welded	25	BA 25 C1	ST 35.81
008132	Rúra / Pipe welded	200	BA 25 C1	ST 35.81
008133	Rúra / Pipe welded	100	ZB 40 C1	1.4541
008134	Redukcia konc. / Reducer,concentric	100 – 50	AA 40 C1	ST 35.81
008135	Redukcia konc. / Reducer,concentric	150 – 80	ZB 40 C1	1.4541
008136	Redukcia konc. / Reducer,concentric	80 – 65	ZB 40 C1	1.4541
008137	T – kus / Tee	50	ZB 10 C1	1.4541
008138	T – kus / Tee	25	ZB 40 C1	1.4541
008139	T-kus -redukcia/ Tee,reduced	350 – 300	AA 40 C1	ST 35.81
008140	Skrutky / Bolts		BA 25 C1/ZB 40	
008141	Blind príruha / Blind flange PN 40	100	BA 25 C1	C22.8
008142	Blind príruha / Blind flange PN 40	25	ZB 40 C1	1.4541
008143	Koleno 90° - 45°/ Elbow 90°- 45°	200	BA 25 C1	C22.8
008144	Koleno 90°/ Elbow 90°	25	ZB 25 C1	1.4541
008145	Koleno 90°/ Elbow 90°	250	ZB 40 C1	1.4541
008146	Koleno 30°/ Elbow 30°	150	BA 25 C1	C22.8
008147	Koleno 30°/ Elbow 30°	80	ZB 25 C1	1.4541
008148	Koleno 45°/ Elbow 45°	50	AA 40 C1	ST 35.81
008149	Koleno 45°/ Elbow 45°	50	ZB 10 C1	1.4541
008212	Koleno 45°/ Elbow 45°	80	ZB 10 C1	1.4541
008213	Koleno 90°/ Elbow 90°	25	AA 10 C1	ST 35.81
008214	Navarovacia príruha/ Welding neck flange	300	AA 40 C1	C22.8
008386	Rúra / Pipe welded	25	ZB 25 C1	1.4541
008387	Rúra / Pipe welded	25	ZB 40 C1	1.4541
008388	Rúra / Pipe welded	40	ZB 40 C1	1.4541
008389	Redukcia konc. / Reducer,concentric	50 – 25	ZB 40 C1	1.4541
008390	T – kus / Tee	100 – 100	ZB 10 C1	1.4541
008391	T – kus / Tee	80 – 80	ZB 25 C1	1.4541

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Number of certificate	Produkt	DN	Pipe class	Materiál
008392	T-kus -redukcia/ Tee, reduced	80 – 50	ZB 25 C1	1.4541
008393	T – kus / Tee	25 – 25	ZB 40 C1	1.4541
008394	T – kus / Tee	50 – 50	ZB 40 C1	1.4541
008395	T-kus -redukcia/ Tee, reduced	80 – 50	ZB 40 C1	1.4541
008396	Blind príruha / Blind flange	25	ZB 25 C1	1.4541
008397	Blind príruha / Blind flange	250	ZB 40 C1	1.4541
008398	Koleno 90°/ Elbow 90°	80	ZB 10 C1	1.4541
008399	Koleno 90°/ Elbow 90°	100	ZB 10 C1	1.4541
008400	Koleno 90°/ Elbow 90°	40	ZB 40 C1	1.4541
008401	Koleno 90°/ Elbow 90°	80	ZB 40 C1	1.4541
008402	Koleno 45°/ Elbow 45°	50	ZB 25 C1	1.4541
008403	Navarovacia príruha/ Welding neck flange		ZB 25 C1	1.4541
008404	Navarovacia príruha/ Welding neck flange		ZB 40 C1	1.4541
008405	Navarovacia príruha/ Welding neck flange		ZB 16 C1	1.4541
008406	Navarovacia príruha/ Welding neck flange		ZB 16 C1	1.4541
008407	Redukcia konc. / Reducer, concentric	500 – 250	ZB 40 C1	1.4541
008408	-----	-----	-----	-----
008409	-----	-----	-----	-----
008410	Koleno 90°/ Elbow 90°	15		1.4541
008411	Koleno 90°/ Elbow 90°	25		1.4541
008412	Redukcia konc. / Reducer, concentric	50 – 25		1.4541
008413	Skrutky / Bolts			
008414	Navarovacia príruha/ Welding neck flange	200		1.4541
008415	Koleno 90°/ Elbow 90°	350		ST 35.81
008416	Skrutky / Bolts			
008417	Koleno 90°/ Elbow 90°	100	AA 63 C1	ST 35.81
008418	T – kus / Tee	50	AA 40 C1	ST 35.81
008419	T – kus / Tee	25	BA 25 C1	ST 35.81
008420	Rúra / Pipe welded	100	AA 63 C1	ST 35.81
008421	Rúra / Pipe welded	100	AA 40 C1	ST 35.81
008422	Rúra / Pipe welded	350	AA 40 C1	ST 35.81
008437	Navarovacia príruha/ Welding neck flange – PN 6	100	ZB 10 C1	1.4541
008438	Navarovacia príruha/ Welding neck flange – PN 6	65	ZB 10 C1	1.4541
008534	Redukcia konc. / Reducer, concentric	350 – 250	AA 40 C1	ST 35.81
008535	Navarovacia príruha/ Welding neck flange	300		C22.8
008536	Navarovacia príruha/ Welding neck flange	100		1.4541
008537	Navarovacia príruha/ Welding neck flange – PN 6	100/65	ZB 10 C1	1.4541
008538	T-kus -redukcia/ Tee, reduced	500 – 350	AA 40 C1	ST 35.81
008539	T – kus / Tee	50	AA 40 C1	ST 35.81
008539	T – kus / Tee	100	AA 63 C1	ST 35.81
008540	Rúra / Pipe welded	25	AA 10 C1	ST 35.81
008541	Koleno 90°/ Elbow 90°	25	AA 10 C1	ST 35.81
008542	Navarovacia príruha/ Welding neck flange	25	AA 10 C1	C22.8
008543	T – kus / Tee	25 – 25	AA 10 C1	ST 35.81
008544	Rúra / Pipe welded	25	AA 10 C1	ST 35.81

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Number of certificate	Produkt	DN	Pipe class	Materiál
008545	Koleno 90°/ Elbow 90°	50	AA 10 C1	ST 35.81
008546	Navarovacia príruha/ Welding neck flange	50	AA 10 C1	C22.8
008547	Rúra / Pipe welded	15	AA 10 C1	ST 35.81
008548	Koleno 90°/ Elbow 90°	15	AA 10 C1	ST 35.81
008549	Navarovacia príruha/ Welding neck flange	15	AA 10 C1	C22.8
008550	T – kus / Tee	15 – 15	AA 10 C1	ST 35.81
008551	Rúra / Pipe welded	100	AA 10 C1	ST 35.81
008552	Koleno 90°/ Elbow 90°	100	AA 10 C1	ST 35.81
008553	Navarovacia príruha/ Welding neck flange	100	AA 10 C1	C22.8
008554	T – kus / Tee	100 – 100	AA 10 C1	ST 35.81
008555	Rúra / Pipe welded	15	ZB 10 C1	1.4541
008556	Koleno 90°/ Elbow 90°	15	ZB 10 C1	1.4541
008557	Navarovacia príruha/ Welding neck flange	15	ZB 10 C1	1.4541
008558	T – kus / Tee	15 – 15	ZB 10 C1	1.4541
008559	Rúra / Pipe welded	25	ZB 10 C1	1.4541
008560	Koleno 90°/ Elbow 90°	25	ZB 10 C1	1.4541
008561	Navarovacia príruha/ Welding neck flange	25	ZB 10 C1	1.4541
008562	T – kus / Tee	25 – 25	ZB 10 C1	1.4541
008563	Rúra / Pipe welded	50	ZB 10 C1	1.4541
008564	Koleno 90°/ Elbow 90°	50	ZB 10 C1	1.4541
008565	Navarovacia príruha/ Welding neck flange	50	ZB 10 C1	1.4541
008566	T – kus / Tee	50 – 50	ZB 10 C1	1.4541
008567	T – kus / Tee	50 – 50	AA 10 C1	ST 35.81
008568	T-kus -redukcia/ Tee, reduced	50 – 25	AA 10 C1	ST 35.81
008569	Rúra / Pipe welded	80	AA 10 C1	ST 35.81
008570	Koleno 90°/ Elbow 90°	80	AA 10 C1	ST 35.81
008571	Navarovacia príruha/ Welding neck flange	80	AA 10 C1	C22.8
008572	Rúra / Pipe welded	40	AA 40 C1	ST 35.81
008573	Navarovacia príruha/ Welding neck flange	40	AA 40 C1	C22.8
008574	Navarovacia príruha/ Welding neck flange	40	AA 40 C1	C22.8
008575	Skrutky / Bolts			
008576	Rúra / Pipe welded	15		1.4541
008606	Rúra / Pipe welded	25	Monel	
008607	Koleno 90°/ Elbow 90°	25	Monel	
008608	T – kus / Tee	25 – 25	Monel	
008609	Navarovacia príruha/ Welding neck flange	25	Monel	
008610	Blind príruha / Blind flange	25	Monel	
008611	Rúra / Pipe welded	25	Monel	
008612	Koleno 90°/ Elbow 90°	25	Monel	
008613	Navarovacia príruha/ Welding neck flange	25	Monel	
008616	Navarovacia príruha/ Welding neck flange	250		1.4541
008625	Rúra / Pipe welded	80	AA 16 C1	ST 35.81
008626	Koleno 90°/ Elbow 90°	80	AA 16 C1	ST 35.81
008627	Navarovacia príruha/ Welding neck flange	80	AA 16 C1	C22.8
008628	Navarovacia príruha/ Welding neck flange	100	AA 10 C1	C22.8

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Number of certificate	Produkt	DN	Pipe class	Materiál
008630	Navarovacia príruha/ Welding neck flange	50	AA 10 C1	C22.8
008631	Redukcia konc. / Reducer,concentric	100 – 50	AA 10 C1	ST 35.81
008652	Rúra / Pipe welded	18		1.4541
008653	Rúra / Pipe welded	25		1.4541
008733	Blind príruha / Blind flange	25		C22.8
008734	Navarovacia príruha/ Welding neck flange	25	AA 40 C1	C22.8
008735	Navarovacia príruha/ Welding neck flange	25	ZB 40 C1	1.4541
008736	T-kus -redukcia/ Tee,reduced	50 – 25		1.4541
008737	Navarovacia príruha/ Welding neck flange	100	AA 40 C1	C22.8
008738	Závitový návarok/Pipen niple			
008740	T-kus -redukcia/ Tee,reduced	100 – 50		ST 35.81
008740	Redukcia konc. / Reducer,concentric	50 – 25		ST 35.81
008740	Navarovacia príruha/ Welding neck flange PN 40	15		C22.8
008888	Rúra(napoj. Pary) / Pipe welded(stem conection)	200		ST 52.0
008889	Rúra / Pipe welded	15		1.4541
008890	Rúra / Pipe welded	25		1.4541
009298	T-kus -redukcia/ Tee,reduced	500 – 350	AA 40 C1	ST 35.81
009299	T – kus / Tee	250 – 250	ZB 40 C1	1.4541
009356	Rúra / Pipe welded	25	ZB 10 C1	1.4541
009357	Rúra / Pipe welded	25	ZB 25 C1	1.4541
009358	Rúra / Pipe welded	25	AA 40 C1	ST 35.81
009359	Rúra / Pipe welded	40	ZB 40 C1	1.4541
009360	Rúra / Pipe welded	50	ZB 25 C1	1.4541
009361	Rúra / Pipe welded	80	ZB 25 C1	1.4541
009362	Rúra / Pipe welded	100	ZB 40 C1	1.4541
009363	Rúra / Pipe welded	150	ZB 25 C1	1.4541
009364	Rúra / Pipe welded	150	ZB 40 C1	1.4541
009365	Rúra / Pipe welded	200	AA 40 C1	ST 35.81
009366	Rúra / Pipe welded	200	ZB 40 C1	1.4541
009367	Rúra / Pipe welded	300	ZB 25 C1	1.4541
009368	Koleno 90°/ Elbow 90°	25	ZB 25 C1	1.4541
009369	Koleno 90°/ Elbow 90°	25	AA 40 C1	ST 35.81
009370	Koleno 90°/ Elbow 90°	40	ZB 40 C1	1.4541
009371	Koleno 90°/ Elbow 90°	50	ZB 25 C1	1.4541
009372	Koleno 90°/ Elbow 90°	80	ZB 25 C1	1.4541
009373	Koleno 90°/ Elbow 90°	80	ZB 25 C1	1.4541
009374	Koleno 90°/ Elbow 90°	80	ZB 25 C1	1.4541
009375	Koleno 90°/ Elbow 90°	100	ZB 40 C1	1.4541
009376	Koleno 90°/ Elbow 90°	100	ZB 40 C1	1.4541
009377	Koleno 90°/ Elbow 90°	150	ZB 10 C1	1.4541
009378	Koleno 90°/ Elbow 90°	150	ZB 40 C1	1.4541
009379	Koleno 90°/ Elbow 90°	200	AA 40 C1	ST 35.81
009380	Koleno 90°/ Elbow 90°	200	ZB 40 C1	1.4541
009381	Koleno 90°/ Elbow 90°	300	ZB 25 C1	1.4541
009382	Navarovacia príruha/ Welding neck flange	25	ZB 40 C1	1.4541

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Number of certificate	Produkt	DN	Pipe class	Materiál
009383	Navarovacia príruha/ Welding neck flange	25	AA 40 C1	ST 35.81
009384	Navarovacia príruha/ Welding neck flange	40	ZB 10 C1	1.4541
009385	Navarovacia príruha/ Welding neck flange	40	ZB 40 C1	1.4541
009386	Navarovacia príruha/ Welding neck flange	50	ZB 40 C1	1.4541
009387	Navarovacia príruha/ Welding neck flange	50	ZB 10 C1	1.4541
009388	Navarovacia príruha/ Welding neck flange	65	ZB 10 C1	1.4541
009389	Navarovacia príruha/ Welding neck flange	80	ZB 40 C1	1.4541
009390	Navarovacia príruha/ Welding neck flange	80	ZB 10 C1	1.4541
009391	Navarovacia príruha/ Welding neck flange	100	ZB 40 C1	1.4541
009392	Navarovacia príruha/ Welding neck flange	100	ZB 10 C1	1.4541
009393	Navarovacia príruha/ Welding neck flange	150	ZB 40 C1	1.4541
009394	Navarovacia príruha/ Welding neck flange	150	ZB 10 C1	1.4541
009395	Navarovacia príruha/ Welding neck flange	200	ZB 25 C1	1.4541
009396	Navarovacia príruha/ Welding neck flange	200	AA 40 C1	ST 35.81
009397	Navarovacia príruha/ Welding neck flange	200	ZB 40 C1	1.4541
009398	Navarovacia príruha/ Welding neck flange	300	ZB 25 C1	1.4541
009399	Navarovacia príruha/ Welding neck flange	300	ZB 40 C1	1.4541
009400	Skrutky / Bolts		ZB25/10 C1	
009401	Skrutky / Bolts		ZB25/10 /40C1	
009402	Redukcia konc. / Reducer,concentric	50 – 40	ZB 10 C1	1.4541
009403	Redukcia konc. / Reducer,concentric	80 – 40	ZB 40 C1	1.4541
009404	Redukcia konc. / Reducer,concentric	80 – 65	ZB 10 C1	1.4541
009405	Redukcia konc. / Reducer,concentric	80 – 25	ZB 25 C1	1.4541
009406	Redukcia konc. / Reducer,concentric	100 – 50	ZB 40 C1	1.4541
009407	Redukcia konc. / Reducer,concentric	100 – 65	ZB 10 C1	1.4541
009408	Redukcia konc. / Reducer,concentric	100 – 80	ZB 40 C1	1.4541
009409	Redukcia konc. / Reducer,concentric	150 – 100	ZB 10 C1	1.4541
009410	Redukcia konc. / Reducer,concentric	150 – 80	ZB 10 C1	1.4541
009411	Redukcia konc. / Reducer,concentric	150 – 100	ZB 10 C1	1.4541
009412	Redukcia konc. / Reducer,concentric	200 – 150	ZB 40 C1	1.4541
009413	Redukcia konc. / Reducer,concentric	300 – 200	ZB 25 C1	1.4541
009414	Redukcia konc. / Reducer,concentric	300 – 150	ZB 40 C1	1.4541
009415	T – kus / Tee	50		1.4541
009416	T – kus / Tee	80	ZB 40 C1	1.4541
009417	T – kus / Tee	80	ZB 25 C1	1.4541
009418	T-kus -redukcia/ Tee,reduced	80 – 50	ZB 10 C1	1.4541
009419	T – kus / Tee	100	ZB 40 C1	1.4541
009420	T – kus / Tee	150	ZB 10 C1	1.4541
009421	T-kus -redukcia/ Tee,reduced	200 – 150	ZB 40 C1	1.4541
009422	Tesnenie/Gasket		ZB 10/25/40 C1	
009423	Blind príruha / Blind flange	200	BA 25 C1	ST 35.81
009424	Blind príruha / Blind flange	25	AA 40 C1	C22.8
009425	Blind príruha / Blind flange	25	ZB 25 C1	1.4541
009426	Blind príruha / Blind flange	25	ZB 40 C1	1.4541
009427	Koleno 90°/ Elbow 90°	80	ZB 10C1	1.4541
009428	Koleno 90°/ Elbow 90°	200	ZB 40 C1	1.4541

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009429	Tesnenie/Gasket		ZB 10/25/40 C1	
009430	Skrutky / Bolts		ZB25/10 /40C1	
009431	Rúra / Pipe welded	100	ZB 40 C1	1.4541
009432	Rúra / Pipe welded	150	BA 25 C1	ST 35.81
009433	Rúra / Pipe welded	200	BA 25 C1	ST 35.81
009434	Rúra / Pipe welded	300	AA 40 C1	ST 35.81
009435	Rúra / Pipe welded	25	ZB 25 C1	1.4541
009436	Rúra / Pipe welded	25	ZB 40 C1	1.4541
009437	Rúra / Pipe welded	25	AA 40 C1	ST 35.81
009438	Rúra / Pipe welded	25	BA 25 C1	ST 35.81
009439	Rúra / Pipe welded	50	AA 40 C1	ST 35.81
009440	Koleno 90°/ Elbow 90°	300	AA 40 C1	ST 35.81
009441	Koleno 90°/ Elbow 90°	100	ZB 40 C1	1.4541
009442	Koleno 90°/ Elbow 90°	150	BA 25 C1	ST 35.81
009443	Koleno 90°/ Elbow 90°	300	AA 40 C1	ST 35.81
009444	Koleno 90°/ Elbow 90°	300	ZB 25 C1	1.4541
009445	Koleno 90°/ Elbow 90°	25	ZB 40 C1	1.4541
009446	Koleno 90°/ Elbow 90°	25	BA 25 C1	ST 35.81
009447	Koleno 90°/ Elbow 90°	50	AA 40 C1	ST 35.81
009448	Koleno 90°/ Elbow 90°	40	ZB 40 C1	1.4541
009449	Rúra / Pipe welded	12		1.4541
009450	Rúra / Pipe welded	200	ZB 40 C1	1.4541
009451	Rúra / Pipe welded	80	ZB 40 C1	1.4541
009452	Redukcia konc. / Reducer,concentric	150 – 100	ZB 10 C1	1.4541
009453	Redukcia konc. / Reducer,concentric	150 – 25	BA 25 C1	ST 35.81
009454	Redukcia konc. / Reducer,concentric	250 – 200	ZB 40 C1	1.4541
009455	Redukcia konc. / Reducer,concentric	50 – 25	ZB 40 C1	1.4541
009456	Redukcia konc. / Reducer,concentric	50 – 40	ZB 40 C1	1.4541
009457	Redukcia konc. / Reducer,concentric	50 – 40	ZB 40 C1	1.4541
009458	Redukcia konc. / Reducer,concentric	80 – 50	ZB 10 C1	1.4541
009531	T – kus / Tee	100	ZB 10 C1	1.4541
009532	T – kus / Tee	150	ZB 10 C1	1.4541
009533	T-kus -redukcia/ Tee,reduced	200 – 150	BA 25 C1	ST 35.81
009534	T-kus -redukcia/ Tee,reduced	200 – 100	BA 25 C1	ST 35.81
009535	T – kus / Tee	200	BA 25 C1	ST 35.81
009536	T – kus / Tee	25	BA 25 C1	ST 35.81
009537	T – kus / Tee	80	ZB 25 C1	1.4541
009538	T-kus -redukcia/ Tee,reduced	80 – 50	ZB 25 C1	1.4541
009539	T – kus / Tee	80	ZB 25 C1	1.4541
009540	T-kus -redukcia/ Tee,reduced	80 – 50	ZB 10 C1	1.4541
009541	Podložky/Washer			
009542	Navarovacia príruha/ Welding neck flange	80	ZB 10 C1	1.4541
009543	Navarovacia príruha/ Welding neck flange	50	ZB 10 C1	1.4541
009544	Navarovacia príruha/ Welding neck flange	200	ZB 40 C1	1.4541
009545	Navarovacia príruha/ Welding neck flange	150	BA 25 C1	C22.8
009546	Navarovacia príruha/ Welding neck flange	125	BA 25 C1	C22.8

[illegible]

Designed Pipelines					
Line-No.	Pipe Class	Weight (kg)	Delivery (€)	Assembling (€)	Total (€)
25 S-84016✓	BA25C1	3,9 ✓	22,38 ✓	324,68 ✓	347,06
25 S-84022	BA25C1	10,47	48,28	483,71	531,99
	AA10C1	2	3,6	42,4	46
25 S-84023	BA25C1	3,08	12,96	150,93	163,89
	AA10C1	3,11	5,87	113,81	119,68
25 S-84026	BA25C1	10,47	48,28	483,71	531,99
	AA10C1	2	3,6	42,4	46
25 S-84027	BA25C1	3,47	13,4	154,08	167,48
	AA10C1	3,11	5,87	113,81	119,68
150 S-84005	BA25C1	370,46	920,74	3081,85	4002,59
150 S-84006	BA25C1	500,99	1045,74	3163,31	4209,05
200 S-84001	BA25C1	1700,53	5218,67	10655,9	15874,57
150 NL-72001	ZB10C1	37,01	424,03	1266,21	1690,24
100 NL-72101	ZB10C1	33,18	538,71	977,61	1516,32
80 NL-72004	ZB10C1	26,65	803,27	913,42	1716,69
80 NL-72001	ZB10C1	52,5	1226,98	1829,16	3056,14
80 NL-72102	ZB10C1	37,95	773,8	1526,48	2300,28
50 N-72103	ZB10C1	33,06	285,61	1040,91	1326,52
50 NL-74101	ZB40C1	168,19	1568,35	2760	4328,35
50 NL-74102	ZB40C1	29,3	1579,27	2760	4339,27
50 NL-74201	ZB40C1	23,3	391,62	1051,97	1443,59
50 NL-74202	ZB40C1	28,79	454,75	1375,81	1830,56
50 NL 74180	ZB40C1	38,95	361,14	976,31	1337,45
50 NL 74280	ZB40C1	17,77	181,98	572,56	754,54
50 NL-74380	ZB40C1	17,77	183,58	572,56	756,14
50 NL-74480	ZB40C1	38,66	360,76	974,28	1335,04
80 NL-73001	ZB25C1	451,11	3779,94	5901,57	9681,51
80 NL-73003	ZB25C1	100,15	1019,87	2107,31	3127,18
25 NL-73005	ZB25C1	4,24	70,33	277,63	347,96
80 NL-73101	ZB25C1	23,1	575,3	1212,68	1787,98
80 NL-73102	ZB25C1	50,63	654,59	1398,86	2053,45
80 NL-73202	ZB25C1	50,58	648,38	1398,85	2047,23
80 NL-73201	ZB25C1	47,72	678,1	1924,05	2602,15
100 NL-72003	ZB10C1	17,03	716,58	679,83	1396,41
100 NL-72002	ZB10C1	61,55	1339,61	1941,14	3280,75
100 NL 74090	ZB40C1	200,94	1996,35	2691,43	4687,78
100 N 74090	AA40C1	11,77	212,9	133,41	346,31
100 N-20005	AA63C1	483,7	2064,31	3616,25	5680,56
100 NL 74485	ZB16C1	1,98	34,36	78,53	112,89
	ZB40C1	92,58	843,55	1967,84	2811,39
100 NL 74385	ZB16C1	1,98	34,36	78,53	112,89
	ZB40C1	72,58	830,2	1956,67	2786,87
100 NL 74285	ZB16C1	1,98	34,36	78,53	112,89
	ZB40C1	62,36	616,78	1653,36	2270,14
100 NL 74185	ZB16C1	1,98	34,36	78,53	112,89
	ZB40C1	133,34	1256,05	2396,86	3652,91
50 N 74095	AA40C1	219,59	381,05	2902,78	3283,83
	ZB16C1	25,12	381,21	871,98	1253,19
50 NL-72003	ZB16C1	23,79	651,89	729,63	1381,52
50 NL-73001	ZB25C1	12,61	271,82	639,68	911,5
350 N-75005	AA40C1	591,58	2096,44	3154,04	5250,48
300 N-73004	ZB25C1	1603,05	23445,97	7990,35	31436,32
300 N-73105	AA40C1	2396,17	6496,66	7907,1	14403,76

pipng

Designed Pipelines					
Line-No.	Pipe Class	Weight (kg)	Delivery (€)	Assembling (€)	Total (€)
25 N-73005	ZB25C1	9,37	129,41	454,61	584,02
25 N-73005	ZB40C1	12,76	38,9	409,3	448,2
25 N 73105	AA40C1	6,56	38,9	378,05	416,95
25 N 73105	ZB40C	9,37	132,17	455	587,17
150 NL-72002	ZB10C1	12,52	142,3	438,92	581,22
50 NL-73007	ZB25C1	288,51	2508,13	3739,42	6247,55
50 NL-23005	ZB16C1	15,67	199,81	466,54	666,35
50 OL-62004	ZB10C1	35,95	319,31	1160,57	1479,88
80 OL-62003	ZB10C1	43,75	798,7	1755,34	2554,04
50 OL-61102	ZB10C1	42,23	734,76	1882,58	2617,34
50 OL-63003	ZB10C1	96,07	944,2	2369,38	3313,58
50 OL-63004	ZB10C1	33,79	285,27	988,27	1273,54
100 OL-62001	ZB10C1	40,06	1192,29	1762,77	2955,06
100 OL-62005	ZB10C1	28,79	877,79	1275,09	2152,88
150 OL-62001	ZB10C1	31,87	382,2	640,9	1023,1
50 OL-61106	ZB10C1	4,38	29,74	29,97	59,71
50 OL-61106	ZB25C1	9,22	517,1	444,48	961,58
80 OL-64201	ZB40C1	41,54	544,06	1215,62	1759,68
80 OL-64202	ZB40C1	61,07	723,59	1576,16	2299,75
25 OL-64002	ZB40C1	4,36	37,55	172,76	210,31
50 OL-64004	ZB40C1	34,47	461,73	1365,64	1827,37
80 OL-64102	ZB40C1	58,23	688,7	1405,29	2093,99
80 OL-64101	ZB40C1	160,14	1928,72	3475,64	5404,36
100 OL-62002	ZB10C1	27,28	525,71	1227,82	1753,53
80 OL-62002	ZB10C1	28,04	521,69	1334,5	1856,19
150 OL-62002	ZB10C1	53,16	930,73	1653,36	2584,09
250 O-20006	ZB40C1	1563,36	25393,87	8944,62	34338,49
25 O-81020	ZB40C1	72,83	898,72	2243,14	3141,86
25 O-20008	ZB40C1-Monel	9,32	1381,32	610,22	1991,54
200 O-64005	ZB40C1	784,83	9569,68	6103,57	15673,25
25 O-64006	ZB40C2-Monel	38,26	4677,12	1440,92	6118,04
250 O-20007	ZB40C1	930,03	15998,8	5369,33	21368,13
25 O-20009	ZB40C1-Monel	9,32	1376,56	610,22	1986,78
		14536,99	€ 142 578,09	€ 150 575,29	€ 293 153,38

Not Designed Pipelines					
Line-No.	Pipe Class	Weight (kg)	Delivery (€)	Assembling (€)	Total (€)
50 N-20017	AA16C1	104,13	150,12	1614,48	1764,6
80 O-62007	ZB10C1	66,84	600,34	1723,97	2324,31
50 N-72005	ZB10C1	40,16	320,41	861,04	1181,45
15 O-81023	ZB10C1	24,55	299,59	1088,87	1388,46
15 O-81024	ZB10C1	3,07	54,43	114,3	168,73
15 O-81029	ZB10C1	36,01	392,11	1236,86	1628,97
15 N-87012	AA10C1	3,15	11,02	97,39	108,41
80 N-81001	AA16C1	83,64	194,15	1972,04	2166,19
80 N-81015	AA10C1	15	220,76	812,3	1033,06
50 N-81004	AA10C1	7,57	23,28	256,12	279,4
15 N-87014	AA10C1	9,37	34,83	432,89	467,72
25 N-87011	AA10C1	48,82	73,26	961,28	1034,54
25 N-87013	AA10C1	77,71	138,05	1922,9	2060,95
25 NL-72004	ZB10C1	20,96	373,09	738,1	1111,19
25 OL-62006	ZB10C1	30,14	457,09	1265,18	1722,27
25 NL-73008	ZB40C1	13,23	288,79	572,26	861,05
150WI73091	ZB10C1	50,47	527,66	872,77	1400,43
150WI64091	ZB10C1	45,07	494,57	853,16	1347,73
40WI73090	ZB10C1	15,63	215,45	1094,19	1309,64
40WI64090	ZB10C1	13,82	196,42	968,56	1164,98
Tank B73002	AA10C1	14,23	82,52	493,33	575,85
80 N-81002	AA10C1	17,2	101,71	816,79	918,5
15 N-81005	AA10C1	39,75	102,33	1398,14	1500,47
15 N-81011	AA10C1	35,78	85,11	1346,51	1431,62
15 N-81013	AA10C1	3,56	6,44	98,9	105,34
25 N-81031	AA10C1	3,66	31,02	405,21	436,23
50 A-81003	AA10C1	447,48	697,16	4591,79	5288,95
50 A-15019	AA10C1	269,71	388,52	3487,16	3875,68
25 A-15047	AA10C1	34,36	52,03	1002,64	1054,67
25 A-15048	AA10C1	40,01	68,12	1043,15	1111,27
25 A-15051	AA10C1	22,69	32,26	535,22	567,48
25 A-15050	AA10C1	10,51	15,67	270,3	285,97
25 A-15049	AA10C1	8,92	13,45	302,08	315,53
100 C-64007	AA10C1	62,07	247,45	1031,34	1278,79
100 C-73006	AA10C1	62,07	245,4	991,92	1237,32
		1781,34	7 234,61 €	37 273,14 €	44 507,75 €

	DESCRIPTION	WEIGHT kg	DELIVERY €/kg	DELIVERY €	ASSEMBLING €/kg	ASSEMBLING €	TOTAL €/kg	TOTAL €
1	Designed pipe lines	14536,99		142578,09		150575,29		293153,38
2	Not designed pipe lines	1781,34		7234,61		37273,14		44507,75
3	Designed pipe supports (primary supports stainless steel)	2238,63	7,5	16789,73	3,98	8909,75		25699,47
4	Not designed pipe supports	80,90	7,5	606,75	3,98	321,98		928,73
5								
6	Product blow out							
7	Site facilities incl. all containers shown on layout drawing							16000,00
8	Pressure blowing and flushing of pipe lines							6822,60
9	Pressure tests / leak tetsts							12450,00
10	Radiography and non-destructive testing							
11	Piping supports incl. prime coat (carbon steel) (secondary supports)	5303,58	1,1	5833,94	5,23	27737,72		33571,66
12	Piping supports prefabricated, but not installed (70% from assembling price)	1012,02	1,1	1113,22	3,66	3705,01		4818,23
13	Piping supports (stainless steel) (secondary supports mat. 1.4301)		3,5		5,48			
14	Documentation							5020,00
15	Manual valves	3081,49			5,04			15530,71
16	Control valves	3586,80			5,12			18364,42
17	Pumps installation	2553,00			1,25			3191,25
18	Delivery of copper material							6437,94
19	X-RAY till DN 125				25			11500,00
20	X-RAY DN 125 - DN 300				37			5698,00
21	EXTRA WORKS							64664,75
TOTAL								568 358,89 €

supports

Designed Pipelines			Primary Supports				Secondary Supports			
Line-No.	Pipe Class	Weight (kg)	Delivery (€)	Assembling (€)	Total (€)	Weight (kg)	Delivery (€)	Assembling (€)	Total (€)	
25 S-84016	BA25C1	-	-	-	0	-	-	-	0	
25 S-84022	BA25C1	-	-	-	0	-	-	-	0	
	AA10C1	-	-	-		-	-	-		
25 S-84023	BA25C1	-	-	-	0	-	-	-	0	
	AA10C1	-	-	-		-	-	-		
25 S-84026	BA25C1	-	-	-	0	-	-	-	0	
	AA10C1	-	-	-		-	-	-		
25 S-84027	BA25C1	-	-	-	0	-	-	-	0	
	AA10C1	-	-	-		-	-	-		
150 S-84005	BA25C1	21,6	162	85,97	247,97	-	-	-	0	
150 S-84006	BA25C1	25,93	194,48	103,21	297,69	171,7	188,87	897,99	1086,86	
200 S-84001	BA25C1	85,67	642,53	340,97	983,5	412,65	453,92	2158,16	2612,08	
150 NL-72001	ZB10C1	24,23	181,73	96,44	278,17	84,28	92,7	440,79	533,49	
100 NL-72101	ZB10C1	22,11	165,83	87,99	253,82	87,38	96,11	457	553,11	
80 NL- 72004	ZB10C1	10,8	81	42,98	123,98	33,59	36,95	175,68	212,63	
80 NL-72001	ZB10C1	23,05	172,88	91,73	264,61	86,32	94,95	451,46	546,41	
80 NL-72102	ZB10C1	10,8	81	42,98	123,98	37,67	41,44	197,02	238,46	
50 N-72103	ZB10C1	31,9	239,25	126,95	366,2	77,22	84,94	403,86	488,8	
50 NL-74101	ZB40C1	183,6	1377	730,66	2107,66	263,11	289,42	1376,08	1665,5	
50 NL-74102	ZB40C1	11,71	87,83	46,6	134,43	52,73	58	275,78	333,78	
50 NL-74201	ZB40C1	21,6	162	85,96	247,96	121,55	133,7	635,71	769,41	
50 NL-74202	ZB40C1	10,8	81	42,98	123,98	52,73	58	275,78	333,78	
50 NL 74180	ZB40C1	44,87	336,53	178,57	515,1	170,71	187,78	892,81	1080,59	
50 NL 74280	ZB40C1	14,27	107,03	56,79	163,82	382,78	421,06	2001,94	2423	
50 NL-74380	ZB40C1	14,27	107,03	56,79	163,82	180,91	199	946,16	1145,16	
50 NL-74480	ZB40C1	46,67	350,03	185,73	535,76	170,71	187,78	892,81	1080,59	
80 NL-73001	ZB25C1	363,3	2724,76	1445,8	4170,56	106,5	117,16	556,98	674,14	
80 NL-73003	ZB25C1	17,2	129	68,45	197,45	11,3	12,43	59,1	71,53	
25 NL-73005	ZB25C1	-	-	-	0	-	-	-	0	
80 NL-73101	ZB25C1	11,71	87,83	46,6	134,43	48,65	53,52	254,44	307,96	
80 NL-73102	ZB25C1	6,4	48	25,47	73,47	49,91	54,9	261,03	315,93	
80 NL-73202	ZB25C1	7,31	54,83	29,09	83,92	49,91	54,9	261,03	315,93	
80 NL-73201	ZB25C1	28	210	111,43	321,43	84,44	92,89	441,62	534,51	
100 NL-72003	ZB10C1	7,4	55,5	29,45	84,95	25,97	28,57	135,82	164,39	
100 NL-72002	ZB10C1	7,4	55,5	29,45	84,95	37,27	41	194,92	235,92	
100 NL 74090	ZB40C1	70	525	278,58	803,58	8,1	8,91	42,36	51,27	

supports

Designed Pipelines			Primary Supports				Secondary Supports			
Line-No.	Pipe Class	Weight (kg)	Delivery (€)	Assembling (€)	Total (€)	Weight (kg)	Delivery (€)	Assembling (€)	Total (€)	
100 N 74090	AA40C1	70	525	278,58	803,58	159,02	174,92	831,68	1006,6	
100 N-20005	AA63C1	-	-	-	0	16,2	17,82	84,72	102,54	
100 NL 74485	ZB16C1	39,03	292,73	155,33	448,06	165	181,5	862,95	1044,45	
	ZB40C1									
100 NL 74385	ZB16C1	25,23	189,23	100,41	289,64	-	-	-	0	
	ZB40C1									
100 NL 74285	ZB16C1	25,23	189,23	100,41	289,64	175,2	192,72	916,3	1109,02	
	ZB40C1									
100 NL 74185	ZB16C1	55,2	414	219,68	633,68	154,8	170,28	809,6	979,88	
	ZB40C1									
50 N 74095	AA40C1	90,9	681,75	361,75	1043,5	93,47	102,82	488,85	591,67	
	ZB16C1	-	-	-	0	8,1	8,91	42,36	51,27	
50 NL-72003	ZB25C1	-	-	-	0	11,3	12,43	59,1	71,53	
350 N-75005	AA40C1	85,5	641,25	340,29	981,54	67,4	74,16	352,52	426,68	
300 N-73004	ZB25C1	61,08	458,1	243,09	701,19	16,2	17,82	84,72	102,54	
300 N-73105	AA40C1	144,34	1082,56	574,45	1657,01	-	-	-	0	
25 N-73005	ZB25C1	-	-	-	0	-	-	-	0	
25 N-73005	ZB40C1	-	-	-	0	-	-	-	0	
25 N 73105	AA40C1	-	-	-	0	-	-	-	0	
25 N 73105	ZB40C1	-	-	-	0	-	-	-	0	
150 NL-72002	ZB10C1	13,14	98,56	52,3	150,86	98,3	108,13	514,11	622,24	
50 NL-73007	ZB25C1	108	810	429,8	1239,8	653,43	718,9	3417,5	4136,4	
50 NL-23005	ZB16C1	-	-	-	0	-	-	-	0	
50 OL-62004	ZB10C1	10,3	77,25	40,99	118,24	26,37	29,01	137,92	166,93	
80 OL-62003	ZB10C1	21,6	162	85,96	247,96	129,85	142,84	679,12	821,96	
50 OL-61102	ZB10C1	-	-	-	0	-	-	-	0	
50 OL-63003	ZB10C1	48,6	364,5	193,42	557,92	75,18	82,71	393,2	475,91	
50 OL-63004	ZB10C1	10,8	81	42,98	123,98	52,74	58,02	275,84	333,86	
100 OL-62001	ZB10C1	13,5	101,25	53,73	154,98	77,04	84,75	402,93	487,68	
100 OL-62005	ZB10C1	7,4	55,5	29,45	84,95	54,44	59,89	284,73	344,62	
150 OL-62001	ZB10C1	-	-	-	0	-	-	-	0	
50 OL-61106	ZB10C1	-	-	-	0	-	-	-	0	
50 OL-61106	ZB25C1	-	-	-	0	-	-	-	0	
80 OL-64201	ZB40C1	20,15	151,13	80,19	231,32	50,32	55,36	263,18	318,54	
80 OL-64202	ZB40C1	17,2	129	68,45	197,45	74,24	81,67	388,28	469,95	

supports

Designed Pipelines		Primary Supports				Secondary Supports			
Line-No.	Pipe Class	Weight (kg)	Delivery (€)	Assembling (€)	Total (€)	Weight (kg)	Delivery (€)	Assembling (€)	Total (€)
25 OL-64002	ZB40C1	-	-	-	0	-	-	-	0
50 OL-64004	ZB40C1	-	-	-	0	-	-	-	0
80 OL-64102	ZB40C1	17,2	129	68,45	197,45	74,24	81,67	388,28	469,95
80 OL-64101	ZB40C1	71,7	537,76	285,34	823,1	82,37	90,62	430,8	521,42
100 OL-62002	ZB10C1	13,8	103,5	54,92	158,42	33,59	36,95	175,68	212,63
80 OL-62002	ZB10C1	10,8	81	42,98	123,98	33,59	36,95	175,68	212,63
150 OL-62002	ZB10C1	13,8	103,5	54,92	158,42	38,04	41,84	198,95	240,79
250 O-20006	ZB40C1	60,8	456	241,97	697,97	15,52	17,08	81,17	98,25
25 O-81020	ZB40C1	5	37,5	19,9	57,4	-	-	-	0
25 O-20008	ZB40C1-Monel	-	-	-	0	-	-	-	0
200 O-64005	ZB40C1	34,93	261,98	139,01	400,99	57,28	63,01	299,57	362,58
25 O-64006	ZB40C2-Monel	-	-	-	0	-	-	-	0
250 O-20007	ZB40C1	20,8	156	82,78	238,78	2,26	2,49	11,82	14,31
25 O-20009	ZB40C1-Monel	-	-	-	0	-	-	-	0
		2238,63	16 789,85 €	8 909,15 €	25 699,00 €	5303,58	5 834,17 €	27 737,89 €	33 572,06 €

supports

Not Designed Pipelines		Primary Supports				Secondary Supports			
Line-No.	Pipe Class	Weight (kg)	Delivery (€)	Assembling (€)	Total (€)	Weight (kg)	Delivery (€)	Assembling (€)	Total (€)
50 N-20017	AA16C1	3	22,5	11,94	34,44	-	-	-	0
80 O-62007	ZB10C1	2,6	19,5	10,34	29,84	-	-	-	0
50 N-72005	ZB10C1	2	15	7,96	22,96	-	-	-	0
15 O-81023	ZB10C1	3,01	22,61	11,97	34,58	-	-	-	0
15 O-81024	ZB10C1	-	-	-	0	-	-	-	0
15 O-81029	ZB10C1	4,3	32,3	17,1	49,4	-	-	-	0
15 N-87012	AA10C1	0,43	3,23	1,71	4,94	-	-	-	0
80 N-81001	AA16C1	-	-	-	0	-	-	-	0
80 N-81015	AA10C1	2,6	19,5	10,34	29,84	-	-	-	0
50 N-81004	AA10C1	-	-	-	0	-	-	-	0
15 N-87014	AA10C1	1,29	9,69	5,13	14,82	-	-	-	0
25 N-87011	AA10C1	5	37,5	19,9	57,4	-	-	-	0
25 N-87013	AA10C1	5	37,5	19,9	57,4	-	-	-	0
25 NL-72004	ZB10C1	1	7,5	3,98	11,48	-	-	-	0
25 OL-62006	ZB10C1	-	-	-	0	-	-	-	0
25 NL-73008	ZB40C1	1	7,5	3,98	11,48	-	-	-	0
150W173091	ZB10C1	-	-	-	0	-	-	-	0
150W164091	ZB10C1	-	-	-	0	-	-	-	0
40W173090	ZB10C1	-	-	-	0	-	-	-	0
40W164090	ZB10C1	-	-	-	0	-	-	-	0
Tank B73002	AA10C1	-	-	-	0	-	-	-	0
80 N-81002	AA10C1	-	-	-	0	-	-	-	0
15 N-81005	AA10C1	3,87	29,07	15,39	44,46	-	-	-	0
15 N-81011	AA10C1	4,3	32,3	17,1	49,4	-	-	-	0
15 N-81013	AA10C1	-	-	-	0	-	-	-	0
25 N-81031	AA10C1	0,5	3,75	1,99	5,74	-	-	-	0
50 A-81003	AA10C1	19	142,5	75,62	218,12	-	-	-	0
50 A-15019	AA10C1	14	105	55,72	160,72	-	-	-	0
25 A-15047	AA10C1	2	15	7,96	22,96	-	-	-	0
25 A-15048	AA10C1	3	22,5	11,94	34,44	-	-	-	0
25 A-15051	AA10C1	2	15	7,96	22,96	-	-	-	0
25 A-15050	AA10C1	0,5	3,75	1,99	5,74	-	-	-	0
25 A-15049	AA10C1	0,5	3,75	1,99	5,74	-	-	-	0
100 C-64007	AA10C1	-	-	-	0	-	-	-	0
100 C-73006	AA10C1	-	-	-	0	-	-	-	0
		80,9	€ 606,95	€ 321,91	€ 928,86	0	0	0	0

Designed Pipelines		Manual Valves		Control Valves	
Line-No.	Pipe Class	Weight (kg)	Assembling (€)	Weight (kg)	Assembling (€)
25 S-84016	BA25C1	10,6	53,44	-	-
25 S-84022	BA25C1	16,6	83,67	-	-
	AA10C1				
25 S-84023	BA25C1	6,2	31,25	-	-
	AA10C1				
25 S-84026	BA25C1	16,6	83,67	-	-
	AA10C1				
25 S-84027	BA25C1	6,2	31,25	-	-
	AA10C1				
150 S-84005	BA25C1	107	539,28	204	1044,48
150 S-84006	BA25C1	110,53	557,07	201	1029,12
200 S-84001	BA25C1	450,53	2270,67	-	-
150 NL-72001	ZB10C1	-	-	-	-
100 NL-72101	ZB10C1	47,8	240,91	-	-
80 NL-72004	ZB10C1	4,13	20,81	76	389,12
80 NL-72001	ZB10C1	38,73	195,2	76	389,12
80 NL-72102	ZB10C1	40,86	205,93	-	-
50 N-72103	ZB10C1	19,4	97,78	-	-
50 NL-74101	ZB40C1	4,73	23,84	71	363,52
50 NL-74102	ZB40C1	17,4	87,7	26	133,12
50 NL-74201	ZB40C1	3,53	17,79	71	363,52
50 NL-74202	ZB40C1	17,4	87,7	26	133,12
50 NL 74180	ZB40C1	12,6	63,5	-	-
50 NL 74280	ZB40C1	11	55,44	-	-
50 NL-74380	ZB40C1	11	55,44	-	-
50 NL-74480	ZB40C1	11	55,44	-	-
80 NL-73001	ZB25C1	8,4	42,34	153	783,36
80 NL-73003	ZB25C1	30	151,2	173	885,76
25 NL-73005	ZB25C1	7	35,28	-	-
80 NL-73101	ZB25C1	7,53	37,95	77	394,24
80 NL-73102	ZB25C1	34,8	175,39	77	394,24
80 NL-73202	ZB25C1	34,6	174,39	77	394,24
80 NL-73201	ZB25C1	6,4	32,25	77	394,24
100 NL-72003	ZB10C1	4,13	20,81	106	542,72
100 NL-72002	ZB10C1	63,13	318,18	107	547,84
100 NL 74090	ZB40C1	1,06	5,34	187	957,44
100 N 74090	AA40C1	-	-	-	-
100 N-20005	AA63C1	41,79	210,62	88	450,56
100 NL 74485	ZB16C1	38	191,52	-	-
	ZB40C1				
100 NL 74385	ZB16C1	37,8	190,51	-	-
	ZB40C1				
100 NL 74285	ZB16C1	67	337,68	-	-
	ZB40C1				
100 NL 74185	ZB16C1	38	191,52	-	-
	ZB40C1				
50 N 74095	AA40C1	48,13	242,57	94	481,28
	ZB16C1				
50 NL-72003	ZB16C1	-	-	37	189,44
50 NL-73001	ZB25C1	1,2	6,05	56	286,72
350 N-75005	AA40C1	-	-	-	-
300 N-73004	ZB25C1	244,66	1233,09	-	-
300 N-73105	AA40C1	244,66	1233,09	-	-

Designed Pipelines		Manual Valves		Control Valves	
Line-No.	Pipe Class	Weight (kg)	Assembling (€)	Weight (kg)	Assembling (€)
25 N-73005	ZB25C1	24,8	125	-	-
25 N-73005	ZB40C1	-	-	-	-
25 N 73105	AA40C1	6,2	31,25	-	-
25 N 73105	ZB40C1	12,4	62,5	-	-
150 NL-72002	ZB10C1	-	-	-	-
50 NL-73007	ZB25C1	51,6	260,06	-	-
50 NL-23005	ZB16C1	6,2	31,25	38,2	195,58
50 OL 62004	ZB10C1	17,2	86,69	-	-
80 OL-62003	ZB10C1	50,8	256,03	-	-
50 OL-61102	ZB10C1	9	45,36	75,2	385,02
50 OL-63003	ZB10C1	6,99	37,6	37	189,44
50 OL-63004	ZB10C1	-	-	37	189,44
100 OL-62001	ZB10C1	51,63	260,21	107	547,84
100 OL-62005	ZB10C1	4,13	20,81	107	547,84
150 OL-62001	ZB10C1	-	-	-	-
50 OL-61106	ZB10C1	19,26	97,07	-	-
50 OL-61106	ZB25C1	-	-	-	-
80 OL-64201	ZB40C1	6,33	31,9	170	870,4
80 OL-64202	ZB40C1	38,6	194,55	56	286,72
25 OL-64002	ZB40C1	7,8	39,31	-	-
50 OL-64004	ZB40C1	34	171,36	-	-
80 OL-64102	ZB40C1	38,4	193,54	56	286,72
80 OL-64101	ZB40C1	8,73	44	308	1576,96
100 OL-62002	ZB10C1	48,53	244,59	-	-
80 OL-62002	ZB10C1	0,53	2,67	76	389,12
150 OL-62002	ZB10C1	-	-	-	-
250 O-20006	ZB40C1	183,08	922,72	134,8	690,18
25 O-81020	ZB40C1	12	60,48	8,2	41,98
25 O-20008	ZB40C1-Monel	-	-	20	102,4
200 O-64005	ZB40C1	261,86	1319,76	-	-
25 O-64006	ZB40C2-Monel	18,6	93,75	-	-
250 O-20007	ZB40C1	1,59	8,01	134,8	690,18
25 O-20009	ZB40C1-Monel	-	-	20	102,4
		2842,39	€ 14 328,03	3445,2	€ 17 639,42

Not Designed Pipelines		Manual Valves		Control Valves	
Line-No.	Pipe Class	Weight (kg)	Assembling (€)	Weight (kg)	Assembling (€)
50 N-20017	AA16C1	17,6	88,71	16,2	82,94
80 O-62007	ZB10C1	-	-	-	-
50 N-72005	ZB10C1	-	-	-	-
15 O-81023	ZB10C1	3,6	18,14	-	-
15 O-81024	ZB10C1	3,6	18,14	-	-
15 O-81029	ZB10C1	3,2	16,13	-	-
15 N-87012	AA10C1	3,2	16,13	-	-
80 N-81001	AA16C1	52,4	264,1	35,8	183,3
80 N-81015	AA10C1	-	-	-	-
50 N-81004	AA10C1	11,7	58,97	-	-
15 N-87014	AA10C1	8,6	43,35	-	-
25 N-87011	AA10C1	-	-	-	-
25 N-87013	AA10C1	-	-	-	-
25 NL-72004	ZB10C1	7,7	38,81	26,4	135,17
25 OL-62006	ZB10C1	7,6	38,31	26,8	137,22
25 NL-73008	ZB40C1	1,2	6,05	26,4	135,17
150WI73091	ZB10C1	0,5	2,52	-	-
150WI64091	ZB10C1	-	-	-	-
40WI73090	ZB10C1	14	71,68	-	-
40WI64090	ZB10C1	14	71,68	-	-
Tank B73002	AA10C1	7,7	38,81	-	-
80 N-81002	AA10C1	35,6	179,42	-	-
15 N-81005	AA10C1	-	-	-	-
15 N-81011	AA10C1	-	-	-	-
15 N-81013	AA10C1	-	-	-	-
25 N-81031	AA10C1	5	25,2	-	-
50 A-81003	AA10C1	33,9	170,86	10	51,2
50 A-15019	AA10C1	-	-	-	-
25 A-15047	AA10C1	2,4	12,09	-	-
25 A-15048	AA10C1	2,4	12,09	-	-
25 A-15051	AA10C1	1,6	8,06	-	-
25 A-15050	AA10C1	0,8	4,03	-	-
25 A-15049	AA10C1	0,8	4,03	-	-
100 C-64007	AA10C1	-	-	-	-
100 C-73006	AA10C1	-	-	-	-
		239,1	1 207,31 €	141,6	725,00 €