

# TORQUES FIGURES

## TORQUE FIGURES IN NM-ALFA EUROPE

▲P (bar)	PN-6				PN-10					
	2,5 BAR	2,5 BAR	6 BAR	6 BAR	2,5 BAR	2,5 BAR	6 BAR	6 BAR	10 BAR	10 BAR
	wet	dry	wet	wet dry	wet	dry	wet	dry	wet	dry
DN40	-	-	-	-	-	-	-	-	-	-
DN50	-	-	-	-	-	-	-	-	-	-
DN65	-	-	-	-	-	-	-	-	-	-
DN80	-	-	-	-	-	-	-	-	-	-
DN100	-	-	-	-	-	-	-	-	-	-
DN125	-	-	-	-	-	-	-	-	-	-
DN150	-	-	-	-	-	-	-	-	-	-
DN200	-	-	-	-	-	-	-	-	-	-
DN250	110	138	140	175	160	200	190	238	220	275
DN300	170	213	210	263	220	275	260	325	300	375
DN350	200	250	250	313	260	325	330	413	390	488
DN400	300	375	380	475	460	575	540	675	640	800
DN450	410	513	510	638	630	788	750	938	850	1063
DN500	540	675	670	838	800	1000	900	1125	1100	1375
DN550	680	850	880	1100	1000	1250	1200	1500	1500	1875
DN600	910	1138	1100	1375	1330	1663	1520	1900	1805	2256
DN700	1500	1875	1900	2375	2250	2813	2650	3313	3050	3813
DN750	1800	2250	2200	2750	2500	3125	3100	3875	3500	4375
DN800	2100	2625	2800	3500	2920	3650	3420	4275	3920	4900
DN900	3300	4125	4100	5125	3880	4850	4780	5975	5500	6875
DN1000	3800	4750	4900	6125	5510	6888	6555	8194	7695	9619
DN1100	5050	6313	6700	8375	7500	9375	9200	11500	11900	14875
DN1200	5950	7438	7950	9938	9000	11250	11500	14375	13500	16875

▲P (bar)	PN-16								PN-20			
	2,5 BAR		6 BAR		10 BAR		16 BAR		20 BAR		25 BAR	
	wet	dry	wet	dry	wet	dry	wet	dry	wet	dry	wet	dry
DN40	7	9	8	10	9	11	10	13	12	15	15	23
DN50	7	9	8	10	10	13	11	14	15	19	20	30
DN65	8	10	9	11	12	15	15	19	20	25	25	38
DN80	13	16	15	19	19	24	21	26	30	38	43	65
DN100	18	23	23	29	28	35	35	44	50	63	62	93
DN125	29	36	32	40	38	48	48	60	80	100	110	165
DN150	55	69	65	81	75	94	85	106	135	169	180	270
DN200	110	138	125	156	150	188	175	219	210	263	245	368
DN250	210	263	240	300	270	338	330	413	450	563	620	930
DN300	290	363	340	425	390	488	460	575	650	813	850	1275
DN350	390	488	460	575	550	688	640	800	800	1000	1100	1650
DN400	670	838	760	950	860	1075	1000	1250	1550	1938	2000	3000
DN450	750	938	1000	1250	1200	1500	1400	1750	2000	2500	2500	3750
DN500	900	1125	1200	1500	1370	1713	1710	2138	2500	3125	3500	5250
DN550	1600	2000	1800	2250	2000	2500	2400	3000	-	-	-	-
DN600	2100	2625	2280	2850	2565	3206	2945	3681	-	-	-	-
DN700	3515	4394	3895	4869	4250	5313	4940	6175	-	-	-	-
DN750	4000	5000	4500	5625	4950	6188	5700	7125	-	-	-	-
DN800	4750	5938	5225	6531	5600	7000	6500	8125	-	-	-	-
DN900	5600	7000	6400	8000	7460	9325	8560	10700	-	-	-	-
DN1000	8360	10450	8800	11000	9690	12113	12350	15438	-	-	-	-
DN1100	11500	14375	13450	16813	15700	19625	18250	22813	-	-	-	-
DN1200	14250	17813	1550	1938	18035	22544	21100	26375	-	-	-	-

**Note**

1. The above torque values (N.M.) have included necessary safety factor from its normal application.
2. In case of severe application, it's expected to contact ALFA technical dept. for more datas.
3. The above torque values (N.M.) are based on wet-wet condition with pressure.
4. For Viton (FPM) liner, please take next higer ▲P.