

Torque table

Torque table for DILOR tube unions

Nominal diameter	Series								Special version	
	M 1	MH 1	J 1	JH 1	M 2	J 2	M 3	J 3	M 6	M 10
	Operating overpressure								Operating overpressure	
	PN 100	PN 100	PN 100	PN 100	PN 200	PN 250	PN 320	PN 320	PN 640	PN 1000
3	20	25	20	25	20	20	20	20	25	30
4	20	30	25	30	25	25	25	25	35	50
5	-	-	-	-	-	-	-	25	-	-
6	25	40	25	40	30	30	30	30	50	70
8	25	45	30	45	35	35	40	40	65	80
10	30	55	35	50	45	45	50	60	90	110
12	35	65	45	55	55	50	60	75	110	125
16	40	80	55	80	65	75	80	90	145	205
20	50	100	70	110	80	110	100	120	220	245
25a	-	-	-	-	-	-	-	150	-	-
25	65	130	80	145	100	135	170	185	255	-
32	85	170	110	190	130	175	220	245	-	-
40a	110	-	-	-	-	-	-	-	-	-
40	145	220	190	250	170	240	-	290	-	-
50	220	-	290	-	220	300	-	-	-	-

Tightening torque in table is indicated in Nm.

Note:

The determined data are recommended values and may slightly differ.

During assembly, an aligned und unstressed tube connection as well as treatment of threads and bearing faces with lubricant is indispensable.

Torque table for DILOR screw-in thread

Nominal diameter	Series								Special version	
	M 1	MH 1	J 1	JH 1	M 2	J 2	M 3	J 3	M 6	M 10
	Operating overpressure								Operating overpressure	
	PN 100	PN 100	PN 100	PN 100	PN 200	PN 250	PN 320	PN 320	PN 640	PN 1000
3	-	30	-	30	28/30	28/30	28/30	28/30	-	-
4	25	40	25	40	30	30	30	30	72	72
5	-	-	-	-	-	-	40	30	-	-
6	28/30	48/40	28/30	48/40	40	40	48/40	48/40	72	98/92
8	30	60/72	30	60/72	48/40	48/40	60/72	60/72	98	128
10	40	72	40	72	60/72	60/72	72	72	128	138
12	48/72	98/92	60/72	98/92	72	72	98/92	98/92	138	138
16	72	128	98/92	128	98/92	98/92	128	128	138	-
20	92	138	128	138	128	128	138	138	143	-
25a	-	-	-	-	-	-	143	-	-	-
25	128	143	138	143	138	138	143	143	152	-
32	138	152	143	152	143	143	152	152	-	-
40a	143	-	-	-	-	-	-	-	-	-
40	143	158	152	158	152	152	-	158	-	-
50	158	-	158	-	158	-	-	-	-	-

Tightening torque in table is indicated in Nm.

Note:

The determined data are recommended values and may slightly differ.

These values are valid for metric ISO DIN 13 threads and Whitworth ISO 228/1 threads.

In case two values are indicated in one column the first value applies to metric and the second to Whitworth thread.

During assembly, an aligned contact surface to the thread as well as treatment of threads with lubricant is indispensable.