

INJECTION UNIT DATA

MODEL		NEO 340	NEO 450	NEO 600	NEO 800	NEO 1000	NEO 1200	NEO 1500	NEO 1800
Injection dynamic force (2nd phase)	kN	246	246	327	327	440	440	592	592
Injection force with 20 bar counterpressure	kN	591	591	591	917	917	1.222	1.222	1.784
Injection stroke	mm	650	650	650	750	750	900	900	1.000
Max. injection velocity (without alloy)	m/s	9	9	9	9	9	9	9	9
Min. sleeve diameter	mm	60	60	60	80	80	90	90	110
Max. sleeve diameter	mm	80	90	100	120	130	140	140	160
Max. shot weight (Al alloy) with 65% min. sleeve filling up and 95% of injection stroke	kg	3,06	3,06	3,06	6,29	6,29	9,5	9,5	15,8
Max. shot weight (Al alloy) with 65% min. sleeve filling up and 95% of injection stroke	kg	5,45	6,89	8,51	14,14	16,60	23,1	23,1	33,5
Max. projected area with min. sleeve diameter	cm ²	186	253	338	479	612	686	899	1.001
Max. projected area with max. sleeve diameter	cm ²	330	570	938	1.078	1.617	1.659	2.174	2.117
Max. projected area with nominal clamping force and p = 400 bar on alloy	cm ²	988	1.349	1.798	2.228	2.847	3.287	4.309	4.788
Pressure on the alloy in the min. sleeve	bar	2.131	2.131	2.131	1.860	1.860	1.918	1.918	1.914
Pressure on the alloy in the max. sleeve	bar	1.199	947	767	827	704	793	793	904
Injection positions	mm	0; -100; -200	0; -270	0; -300	0; -350	0; -400	0; -450	0; -450	0; -500
Max. plunger penetration	mm	240	240	240	285	285	310	310	420
Sleeve centering diameter	mm	130	150	180	180	195	195	195	225

INJECTION UNIT DATA

MODEL		NEO 2200	NEO 2700	NEO 3000	NEO 3400	NEO 3800	NEO 4400	NEO 5500	NEO 6200
Injection dynamic force (2 nd phase)	kN	592	873	873	873	873	930	930	1.078
Injection force with 20 bar counterpressure	kN	1.784	2.629	2.629	2.629	2.629	2.824	2.824	3.343
Injection stroke	mm	1.000	1.450	1.450	1.450	1.450	1.600	1.600	1.700
Max. injection velocity (without alloy)	m/s	9	9	10	10	10	10,0	10,0	10,0
Min. sleeve diameter	mm	110	130	130	130	130	140	150	160
Max. sleeve diameter	mm	165	190	190	200	210	220	230	240
Max. shot weight (Al alloy) with 35% min. sleeve filling up and 95% of injection stroke	kg	15,8	32,1	32,1	32,1	32,1	41,1	47,1	57,0
Max. shot weight (Al alloy) with 65% min. sleeve filling up and 95% of injection stroke	kg	35,6	68,5	68,5	75,9	83,7	101,4	110,8	128,2
Max. projected area with min. sleeve diameter	cm ²	1.238	1.390	1.535	1.732	1.903	2.384	3.442	3.729
Max. projected area with max. sleeve diameter	cm ²	2.785	2.970	3.278	4.100	4.967	5.888	8.092	8.390
Max. projected area with nominal clamping force and p = 400 bar on alloy	cm ²	5.921	7.018	7.746	8.744	9.608	11.148	14.016	15.800
Pressure on the alloy in the min. sleeve	bar	1.914	2.019	2.019	2.019	2.019	1.870	1.629	1.695
Pressure on the alloy in the max. sleeve	bar	850	945	945	853	774	757	693	753
Injection positions	mm	0; -500	0; -500	0; -500	0; -500	0; -550	0; -650	0; -650	0; -700
Max. plunger penetration	mm	420	550	550	550	550	700	700	750
Sleeve centering diameter	mm	265	290	290	310	330	330	370	385