

INJECTION UNIT DATA

MODEL		NEO 340	NEO 450	NEO 600	NEO 800	NEO 1000	NEO 1200	NEO 1500
Injection dynamic force (2nd phase)	kN	246	246	246	327	327	440	440
Injection force with 20 bar counterpressure	kN	591	591	591	917	917	1.222	1.222
Injection stroke	mm	650	650	650	750	750	900	900
Max. injection velocity (without alloy)	m/s	9	9	9	9	9	9	9
Min. sleeve diameter	mm	60	60	60	80	80	90	90
Max. sleeve diameter	mm	80	90	100	120	130	140	140
Max. shot weight (Al alloy) with 65% min. sleeve filling up and 95% of injection stroke	kg	2,95	2,95	2,95	6,05	6,05	9,19	9,19
Max. shot weight (Al alloy) with 65% max. sleeve filling up and 95% of injection stroke	kg	5,25	6,64	8,20	13,62	15,98	22,24	22,24
Max. projected area with min. sleeve diameter	cm ²	185	253	337	479	612	672	880
Max. projected area with max. sleeve diameter	cm ²	330	569	937	1.078	1.617	1.625	2.130
Max. projected area with nominal clamping force and p = 400 bar on alloy	cm ²	988	1.348	1.797	2.227	2.846	3.287	4.309
Pressure on the alloy in the min. sleeve	bar	2.131	2.131	2.131	1.860	1.860	1.958	1.958
Pressure on the alloy in the max. sleeve	bar	1.199	947	767	827	704	809	809
Injection positions	mm	0; -200	0; -270	0; -300	0; -350	0; -400	0; -450	0; -450
Max. plunger penetration	mm	240	240	240	285	285	350	350
Sleeve centering diameter	mm	130	150	180	180	195	195	195

INJECTION UNIT DATA

MODEL		NEO 1800	NEO 2200	NEO 2700	NEO 3000	NEO 3400	NEO 3800	NEO 4400
Injection dynamic force (2nd phase)	kN	592	592	873	873	873	873	1.000
Injection force with 20 bar counterpressure	kN	1.784	1.784	2.629	2.629	2.629	2.629	3.072
Injection stroke	mm	1.000	1.000	1.450	1.450	1.450	1.450	1.800
Max. injection velocity (without alloy)	m/s	9	9	10	10	10	10	10
Min. sleeve diameter	mm	110	110	130	130	130	130	140
Max. sleeve diameter	mm	160	165	190	190	200	210	220
Max. shot weight (Al alloy) with 65% min. sleeve filling up and 95% of injection stroke	kg	15,26	15,26	30,90	30,90	30,90	30,90	44,49
Max. shot weight (Al alloy) with 65% max. sleeve filling up and 95% of injection stroke	kg	32,28	34,33	66	66	73,14	80,63	109,85
Max. projected area with min. sleeve diameter	cm ²	1.001	1.238	1.390	1.535	1.732	1.903	2.192
Max. projected area with max. sleeve diameter	cm ²	2.117	2.785	2.970	3.278	4.100	4.967	5.413
Max. projected area with nominal clamping force and p = 400 bar on alloy	cm ²	4.788	5.921	7.018	7.746	8.744	9.608	11.148
Pressure on the alloy in the min. sleeve	bar	1.914	1.914	2.019	2.019	2.019	2.019	2.034
Pressure on the alloy in the max. sleeve	bar	904	850	945	945	853	774	824
Injection positions	mm	0; -500	0; -500	0; -500	0; -500	0; -550	0; -600	0; -650
Max. plunger penetration	mm	420	420	550	550	550	550	700
Sleeve centering diameter	mm	225	265	290	290	310	330	330