

## Hot Chamber Specifications

Specifications	Unit	QDC30	QDC50	QDC88	QDC100	QDC130	QDC160	QDC200	QDC280	QDC400												
<b>Clamping Unit</b>																						
Clamping Force	kN	300	500	880	1000	1300	1600	2000	2800	4000												
	US ton	34	56	95	112	145	180	224	313	448												
Clamping Stroke	mm	180	230	280	300	350	350	400	460	550												
	inch	7.0	9.0	11.0	11.8	13.7	13.7	15.7	18.1	21.6												
Ejector Force	kN	30	50	68	70	87	108	108	155	180												
	US ton	3	6	8	8	10	12	12	17	20												
Ejector Stroke	mm	50	60	60	70	85	85	100	100	120												
	inch	1.9	2.3	2.3	2.7	3.3	3.3	3.9	3.9	4.7												
Die Height (Min. - Max.)	mm	100 - 310	120 - 340	150 - 360	150 - 450	170 - 450	205 - 505	250 - 550	250 - 650	300 - 700												
	inch	3.9 - 12.2	4.7 - 13.3	5.9 - 14.1	5.9 - 17.72	6.6 - 17.7	8.0 - 19.8	9.8 - 21.6	9.8 - 25.5	11.8 - 27.5												
Platen Size (H x W)	mm	393 x 407	456 x 456	545 x 535	635 x 610	636 x 614	672 x 672	740 x 740	860 x 860	960 x 960												
	inch	15.4 x 16.0	17.9 x 17.9	21.4 x 21.0	25. x 24.0	25.0 x 24.1	26.4 x 26.4	29.1 x 29.1	33.8 x 33.8	37.8 x 37.8												
Tie Bar Diameter	mm	45	56	63	70	75	80	90	110	130												
	inch	1.77	2.2	2.4	2.7	2.9	3.1	3.5	4.3	5.1												
Space Between Tie Bars	mm	271 x 271	310 x 310	357 x 357	410 x 410	409 x 409	459 x 459	510 x 510	560 x 560	620 x 620												
	inch	10.6 x 10.6	12.2 x 12.2	14.0 x 14.0	16.1 x 16.1	16.1 x 16.1	18.0 x 18.0	20.0 x 20.0	22.0 x 22.0	24.4 x 24.4												
<b>Casting Unit</b>																						
Shot Position (0 = center)	mm	0	-40	0	-50	0	-60	0	-80	0	-80	0	-80	0	-100	0	-125	0	-125			
	inch	0	-1.5	0	-1.9	0	-2.3	0	-3.1	0	-3.1	0	-3.1	0	-3.9	0	-4.9	0	-4.9			
Max. Casting Force	kN	40	65	87	89	108	108	127	155	180												
	US ton	4	7	10	10	12	12	14	17	20												
Casting Stroke	mm	110	130	130	150	150	150	175	200	230												
	inch	4.3	5.1	5.1	5.9	5.9	5.9	6.8	7.8	9.0												
Transverse Stroke	mm	150	190	190	200	200	200	200	200	340												
	inch	5.9	7.4	7.4	7.8	7.8	7.8	7.8	7.8	13.3												
Injection Plunger Diameter	mm	36	40	45	45	50	55	50	55	60	60	65	60	65	70	65	70	70	80	80	90	
	inch	1.4	1.5	1.7	1.7	1.9	2.1	1.9	2.1	2.1	2.3	2.3	2.5	2.3	2.5	2.7	2.6	2.8	2.8	3.1	3.1	3.5
Shot Weight (Zn)	kg	0.5	0.6	0.8	1	1.2	1.5	1.2	1.5	1.7	2.1	2.1	2.5	2.1	2.5	2.8	2.9	3.3	3.90	5.4	5.7	7.2
	lbs	1.1	1.4	1.8	2.2	2.7	3.3	2.7	3.3	3.8	4.6	4.6	5.5	4.6	5.5	6.1	6.3	7.2	8.58	11.8	12.5	15.8
Melting Pot Capacity (Zn)	kg	260	360	360	360	360	360	360	720	820												
	lbs	572	792	792	792	792	792	792	1584	1804												
<b>Others</b>																						
Hydraulic Working Pressure	Mpa	10.5	10.5	14	14	14	14	14	14	14												
	psi	1520	1520	2030	2030	2030	2030	2030	2030	2030												
Hydraulic oil Tank Capacity	litre	200	200	250	300	300	300	300	400	800												
	gal	53	53	66	80	80	80	80	106	212												
Driving Motor Power	kW	7.5	11.25	11.25	11.25	15	15	15	18.75	22.5												
	hp	10	15	15	15	20	20	20	25	30												
Furnace Consumption	Gas	BTU	90,600	225,200	225,200	225,200	225,200	225,200	361,200	361,200	477,700											
	Electricity	kW (hp)	20 (27)	28 (37)	28 (37)	28 (37)	28 (37)	28 (37)	42 (56)	42 (56)	48 (64)											
Machine Weight	kg	2,500	3,500	4,000	5,000	6,000	6,500	7,700	11,000	13,000												
	lbs	5,500	7,700	8,800	11,000	13,200	14,300	16,940	24,200	28,600												
Machine Dimension (LxWxH)	m	4x1.5x1.9	4.3x1.6x2.1	4.4x1.6x2.1	5x1.7x2.3	5.2x1.7x2.4	5.6x1.7x2.5	5.9x1.8x2.6	6.5x1.9x2.6	7.5x2.4x3												
	ft	13.1x4.9x6.2	14.1x5.3x7.0	14.4x5.3x7.0	16.4x5.5x7.4	17.1x5.6x7.6	18.4x5.6x7.6	19.4x5.9x8.4	21.3x6.3x8.4	24.6x7.9x9.9												