



Toggle Free Smart series (TFs) High Pressure Die Casting Machines Technical Specifications from 1400t to 11000t



	MAX DIE CLOSING FORCE (kN)	MACHINE MODEL	PLATENS DIMENSIONS	DISTANCE BETWEEN THE TIE-BARS	MIN-MAX DIE HEIGHT	CENTRAL EJECTION FORCE - forward and backward	CENTRAL EJECTION STROKE	INJECTION FORCE WITH 0/25 BAR BACKPRESSURE	INJECTION PLUNGER STROKE	INJECTION PLUNGER DIAMETERS	SHOT-SLEEVE POSITIONS	SHOT WEIGHT FOR ALUMINIUM ALLOYS (min/max)(in accordance with DIN 24480)	SPECIFIC INJECTION PRESSURE (min/max)	OVERALL DIMENSIONS (length x width x height)
	kN		mm	mm	mm	kN	mm	kN	mm	mm	mm	kg	Bar	mm
TFs 1400	13734	TFs 1400 SC4.1	1820	1100	600 - 1100	474	240	1112/1014	850	90/150	0/-400	9,0/25,0	629/1748	10200 x 4200 x 4400
		TFs 1400 SC4.2	1820	1100	600 - 1100	474	240	1526/1392	1050	100/160	0/-400	13,7/35,2	759/1943	10800 x 4200 x 4400
TFs 1650	16187	TFs 1650 SC4.1	2050	1250	700 - 1250	474	240	1112/1014	850	90/150	0/-400	9,0/25,0	629/1748	10900 x 4500 x 4600
		TFs 1650 SC4.2	2050	1250	700 - 1250	474	240	1526/1392	1050	100/160	0/-400	13,7/35,2	759/1943	11400 x 4500 x 4600
TFs 1850	18149	TFs 1850 SC4.1	2100	1300	800 - 1400	474	280	1112/1014	850	90/150	0/-400	9,0/25,0	629/1748	11200 x 4800 x 4600
		TFs 1850 SC4.2	2100	1300	800 - 1400	474	280	1526/1392	1050	100/160	0/-450	13,7/35,2	759/1943	11800 x 4800 x 4600
TFs 2250	22073	TFs 2250 SC4.2	2300	1400	900 - 1600	611	280	1526/1392	1050	110/170	0/-500	16,6/39,7	672/1606	12800 x 5000 x 4800
		TFs 2250 SC4.3	2300	1400	900 - 1600	611	280	2270/2070	1250	120/180	0/-500	23,6/53,0	892/2007	13300 x 5000 x 5300
TFs2800	27468	TFs 2800 SC4.2	2570	1550	900 - 1800	611	320	1526/1392	1050	110/170	0/-500	16,6/39,7	672/1606	13700 x 5300 x 5100
		TFs 2800 SC4.3	2570	1550	900 - 1800	611	320	2270/2070	1250	120/180	0/-600	23,6/53,0	892/2007	14200 x 5300 x 5600
		TFs 2800 SC4.4	2570	1550	900 - 1800	611	320	2959/2706	1450	140/200	0/-600	37,2/75,9	942/1922	14900 x 5300 x 5800
TFs 3300	32373	TFs 3300 SC4.3	2630	1590	1000 - 2000	611	320	2270/2070	1250	130/200	0/-600	27,7/65,4	723/1710	14800 x 5300 x 5700
		TFs 3300 SC4.4	2630	1590	1000 - 2000	611	320	2959/2706	1450	140/200	0/-600	37,2/75,9	942/1922	15500 x 5300 x 5900

All data are subject to technical alterations

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	kN		mm	mm	mm	kN	mm	kN	mm	mm	mm	kg	Bar	mm
TFs 3700	36297	TFs 3700 SC4.3	2900	1710	1000 - 2000	1045	350	2270/2070	1250	130/200	0/-600	27,7/65,4	723/1710	15300 x 5600 x 5900
		TFs 3700 SC4.4	2900	1710	1000 - 2000	1045	350	2959/2706	1450	140/220	0/-600	37,2/91,9	778/1922	16000 x 5600 x 6100
TFs 4400	43164	TFs 4400 SC4.3	3100	1850	1300 - 2100	1045	350	2270/2070	1250	130/200	0/-600	27,7/65,4	723/1710	15800 x 6100 x 6000
		TFs 4400 SC4.4	3100	1850	1300 - 2100	1045	350	2959/2706	1450	140/210	0/-600	37,2/83,7	778/1922	16500 x 6100 x 6200
TFs 6100	59841	TFs 6100 SC4.4	3640	2200	1400 - 2400	1414	400	2959/2706	1450	150/230	0/-700	42,7/100,4	712/1674	17400 x 6600 x 6600
		TFs 6100 SC4.5	3640	2200	1400 - 2400	1414	400	3602/3295	1800	170/240	0/-700	68,1/135,7	796/1587	18100 x 6600 x 7100
TFs 7100	69651	TFs 7100 SC4.5	4000	2400	1500 - 2500	1414	400	3602/3295	1800	200/260	0/-800	94,2/159,3	679/1147	18600 x 7400 x 7300
		TFs 7100 SC4.6	4000	2400	1500 - 2500	1414	400	5350/4894	2000	240/300	0/-800	150,8/235,6	684/1068	19100 x 7400 x 7400
TFs 9000	88290	TFs 9000 SC4.5	4250	2500	1500 - 2500	1414	400	3602/3295	1800	220/280	0/-800	114,0/184,7	585/948	19200 x 7700 x 7500
		TFs 9000 SC4.6	4250	2500	1500 - 2500	1414	400	5350/4894	2000	280/300	0/-800	205,3/235,6	635/829	19700 x 7700 x 7900
TFs 11000	107910	TFs 11000 SC4.5	CONTACT YOUR IPG SALES REPRESENTATIVE TO GET THE DETAILED TECHNICAL DATA OF THE TFs 11000											
		TFs 11000 SC4.6												

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