

# ABLOY

## EN12320 vs ASTM F883



	ABLOY	PL320/50 Grade 1		PL320 Grade 2		PL330 Grade 3		PL340/PL342 Grade 4		PL350 Grade 5		PL362 Grade 6	
		lb	kN	lb	kN	lb	kN	lb	kN	lb	kN	lb	kN
<b>Shackle pulling</b>	EN 12320 F883	675 225	3 1	1125 560	5 2.5	3375 1125	15 5	6750 2000	30 9	15750 4500	70 20	22500 90000	100 40
<b>Shackle cutting</b>	EN 12320 F883	1350 1001	6 4.45	3375 2025	15 9	5625 3038	25 13.5	10125 4050	45 18	15750 6975	70 31	22500 10125	100 45
		lb-in	Nm	lb-in	Nm	lb-in	Nm	lb-in	Nm	lb-in	Nm	lb-in	Nm
<b>Shackle twisting</b>	EN 12320 F883	354 -	40 -	885 -	100 -	1770 -	200 -	5310 -	600 -	10621 -	1200 -	22127 -	2500 -
<b>Cylinder pulling</b>	EN 12320 F883	- 225	- 1	- 338	- 1.5	900 450	4 2	1125 675	5 3	2250 1350	10 6	3375 2700	15 12
		lb-in	Nm	lb-in	Nm	lb-in	Nm	lb-in	Nm	lb-in	Nm	lb-in	Nm
<b>Cylinder plug torque</b>	EN 12320 F883	- 89	- 10	22 133	2.5 15	44 177	5 20	133 221	15 25	177 266	20 30	266 310	30 35
<b>Resistance to impact</b>	EN 12320 Five blows	-	-	-	-	-20°C 1250g 800mm	-	-20°C 3050g 1000mm	-	-40°C 6550g 1400mm	-	-40°C 7150g 1500mm	-
	F883 Five blows	2,2lb 39,4 in.	1kg 1000mm min	4,4lb 39,4 in.	2kg 1000mm min	6,6lb 39,4 in.	3kg 1000mm min	8,8lb 39,4 in.	4kg 1000mm min	11lb 39,4 in.	5kg 1000mm min	13,2lb 39,4 in.	6kg 1000mm min
		min		min		min		min		min		min	
<b>Drilling</b>	EN 12320 F883	-	-	-	-	-	-	2 4	2 4	4 8	4 8	8 15	8 15
		min		min		min		min		min		min	min
<b>Sawing</b>	EN 12320 F883	-	-	-	-	-	-	2	2	4	4	8	8
		min		min		min		min		min		min	min
<b>Manual attack</b>	EN 12320	-	-	-	-	-	-	3	3	5	5	10	10
<b>Surreptitious attack</b>	F883	min		min		min		min		min		min	min
Picking or manipulation		0.5		-	1	-	2	-	4	-	8	-	15
Bumb key attack		2.5		-	5	-	7.5	-	10	-	12.5	-	15
Impressioning or decoding		-		-	-	-	2	-	4	-	8	-	15
Shackle shimming test		0.5		-	1	-	2	-	4	-	8	-	15
Drillign and shimming		-		-	-	-	-	-	4	-	8	-	15
Rapping		-		-	-	-	2	-	4	-	8	-	15