

**Puffergeometrien (PG)**  
können bei anderen  
Größen von der hier  
dargestellten abweichen.

**At other dimensions,**  
buffer geometries (bg)  
may differ from the beside  
pictured.

Bezeichnung eines Zellstoffpuffers  $d_1 = 400$ ,  $h = 400$  ....:  
**Durel - Zellstoffpuffer 400 x 420 NO 16941**

Designation of a cellular plastic buffer  $d_1 = 400$ ,  $h = 400$  ....:  
**Durel - Cellular plastic buffer 400 x 420 NO 16941**

Nenn- größe size $d_1$	Abmessungen - dimensions ( mm )									Arbeits- aufnahme energy capacity kJ <sup>1)</sup>	Feder- weg com- pression mm <sup>1)</sup>	End- kraft end force kN <sup>1)</sup>	Stück- gewicht unit weight kg
	a	e	f	$d_2$	h	l	PG bg 1 zylindrisch / cylindrical 2 konisch / conical	s	t				
80	110	80	10	12,5	40	50	1	10	-	0,8	30	50	0,4
					80	90	2			1,5	60		0,6
					120	130	1			2,3	90		1,2
100	125	100	10	12,5	50	60	1	10	-	1,5	38	80	0,6
					100	110	2			3	75		1,7
					150	160	1			4,4	113		1,9
125	160	125	15	17	63	75	1	12	-	2,9	47	125	1,2
					125	137	2			5,7	94		3,0
					190	202	1			8,6	143		3,5
160	200	160	15	17	80	92	1	12	-	6	60	200	2,2
					160	172	2			12	120		5,7
					240	252	2			18	180		6,3
200	250	200	15	21	100	114	1	14	6	12	75	310	4
					200	214	2			24	150		10,8
					300	314	1			35	225		12,5
250	320	250	15	21	125	140	1	15	6	23	94	490	7,5
					250	265	1			46	188		19
					375	390	1			69	280		20
315	400	315	40	21	160	175	1	15	6	47	120	780	26
					315	330	1			93	236		27
					475	490	1			140	356		37
400	500	400	50	25	200	220	1	20	8	94	150	1250	51
					400	420	1			188	300		66
					600	620	1			282	450		81
500	630	500	60	25	250	270	1	20	8	185	188	1950	88
					500	520	1			370	375		116
					750	770	1			555	563		146
600	730	600	70	25	300	320	1	20	8	317	225	2800	129
					600	620	1			633	450		178
					900	920	1			950	675		233

Werkstoffe: Federkörper: geschäumtes Polyurethan 0,5 kg/dm<sup>3</sup>  
Grundplatte: S235JRG2  
Auf Wunsch mit Senkbohrungen ab  
Größe 200.

1) Diese Werte gelten nur für Stöße, wie sie beim Kranbetrieb  
auftreten.

Diese Puffer sind nicht als Federn verwendbar.  
Auswahldiagramme siehe Seiten 2 - 9.

**Bei Stoß Puffer gegen Puffer  $h_{max.} = d_1$**

Auf Wunsch werden die Pufferkörper durch Drahtseile gegen  
Herunterfallen gesichert.

Materials: Spring body: foamed polyurethane 0,5 kg/dm<sup>3</sup>  
base plate: S235JRG2  
On request with countersink  
≥ size 200

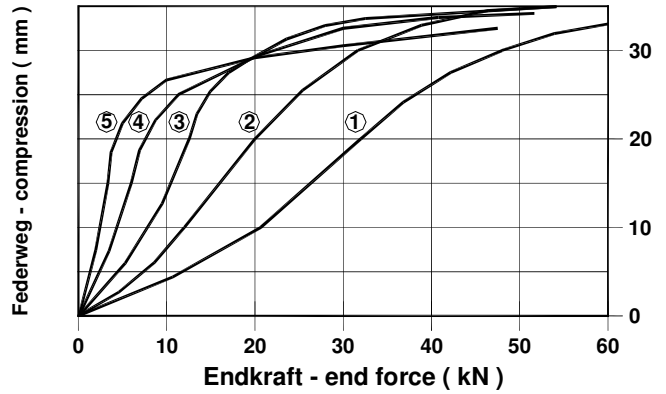
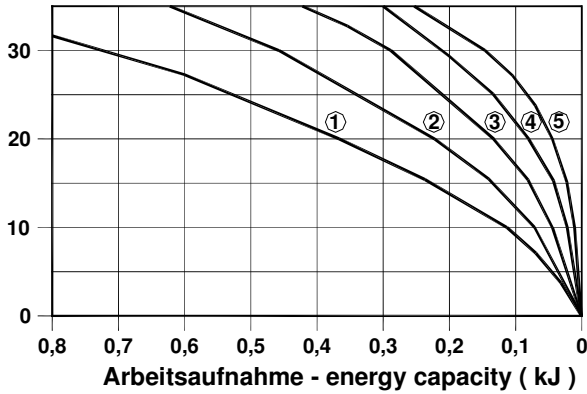
1) These data are valid only for impacts as arise at crane  
operating.

These buffers are not usable as springs.  
Diagrams of selection see pages 2 - 9.

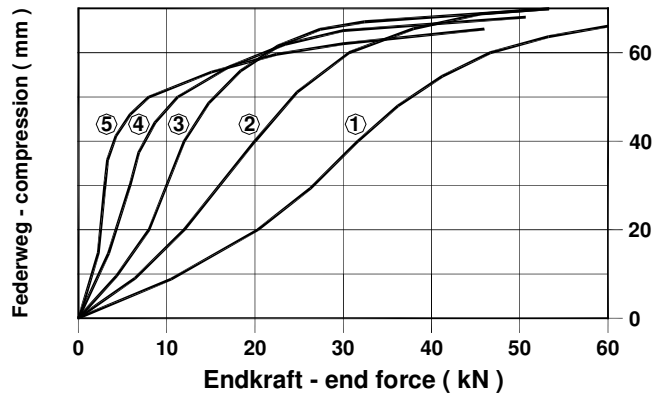
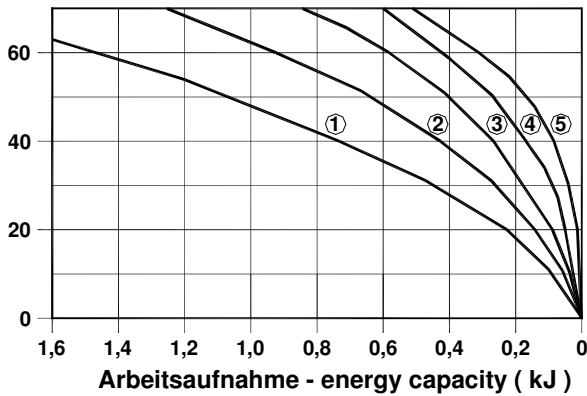
**When impacting buffer against buffer  $h_{max.} = d_1$**

On request, buffer bodies will be secured against dropping by wire  
rope.

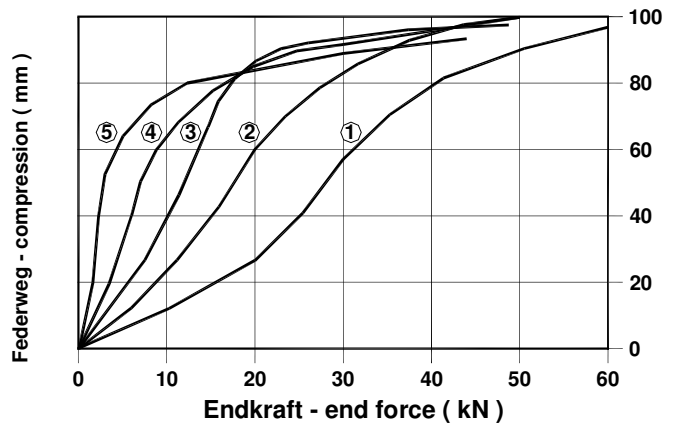
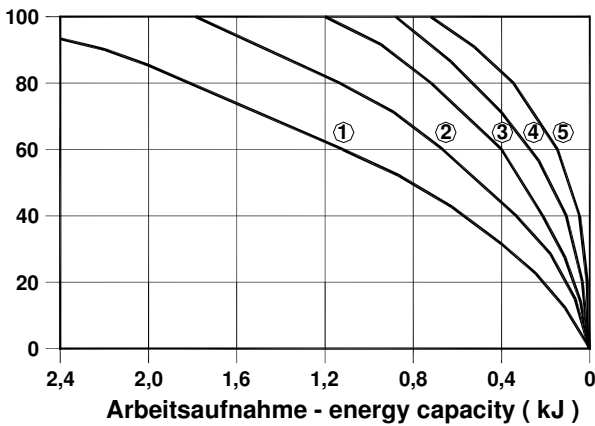
**Durel - Zellstoffpuffer / cellular plastic buffer 80 x 50**



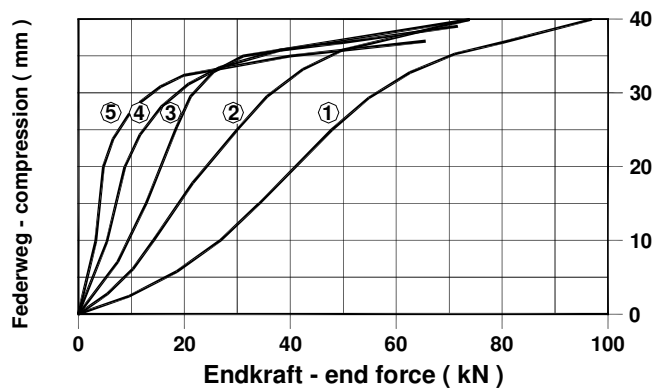
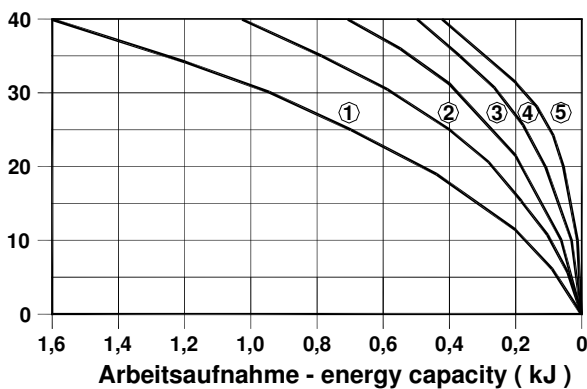
**Durel - Zellstoffpuffer / cellular plastic buffer 80 x 90**



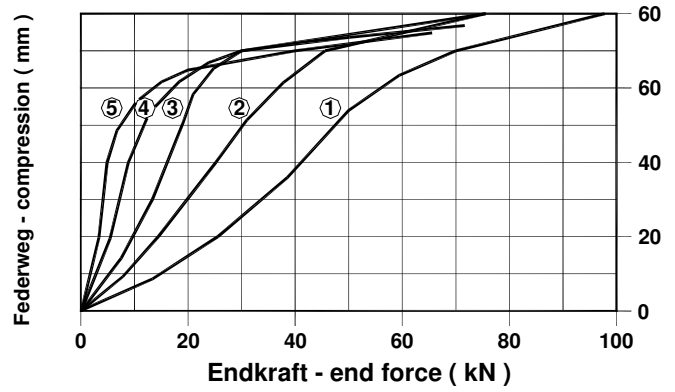
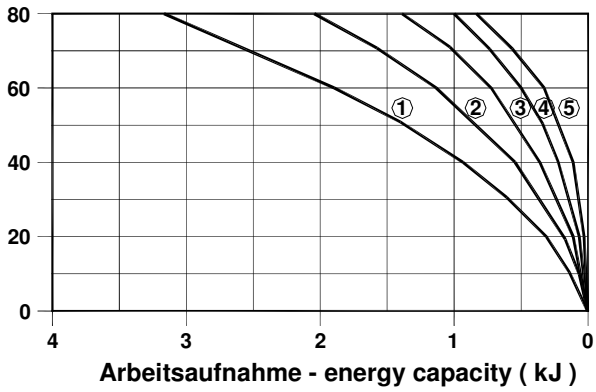
**Durel - Zellstoffpuffer / cellular plastic buffer 80 x 130**



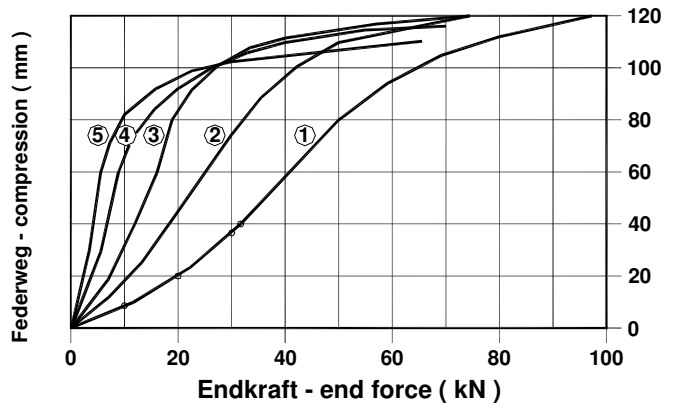
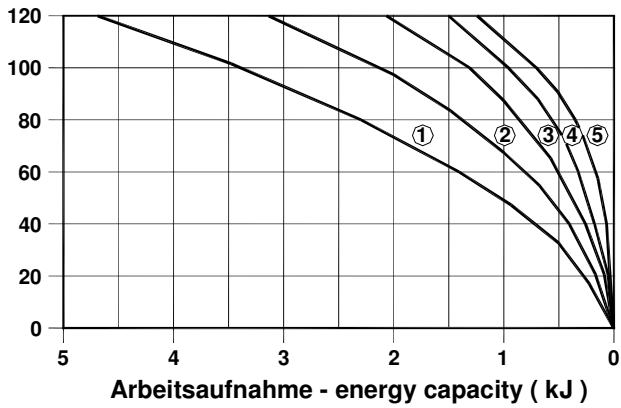
**Durel - Zellstoffpuffer / cellular plastic buffer 100 x 60**



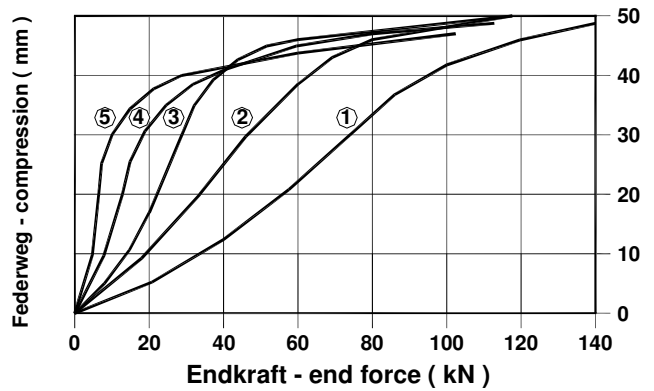
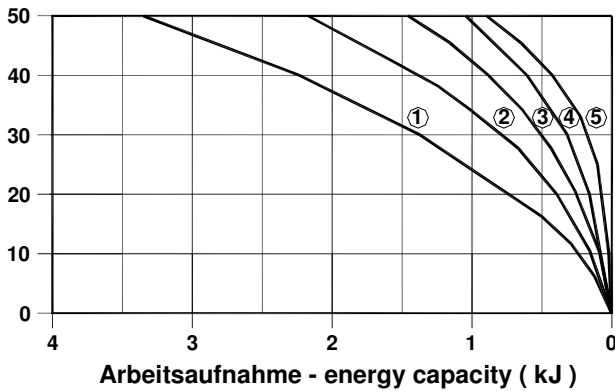
**Durel - Zellstoffpuffer / cellular plastic buffer 100 x 110**



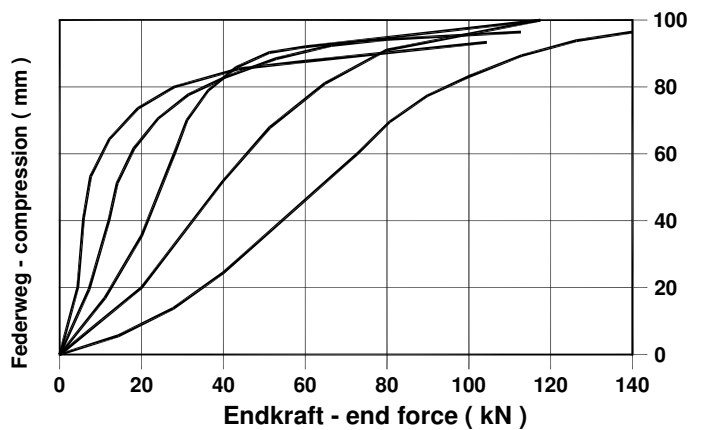
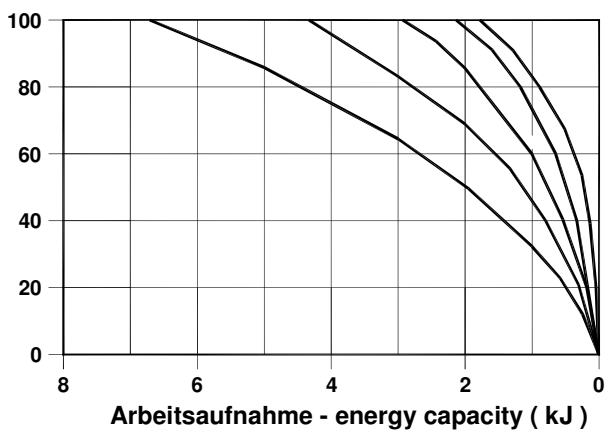
**Durel - Zellstoffpuffer / cellular plastic buffer 100 x 160**



**Durel - Zellstoffpuffer / cellular plastic buffer 125 x 75**

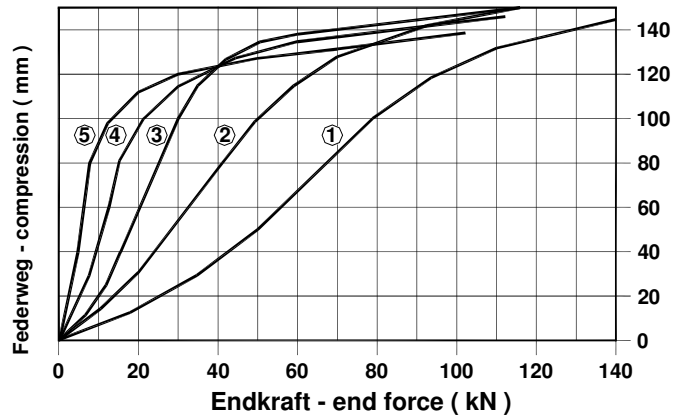
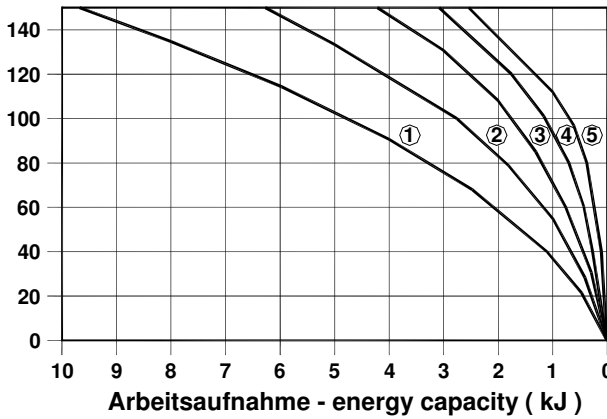


**Durel - Zellstoffpuffer / cellular plastic buffer 125 x 137**



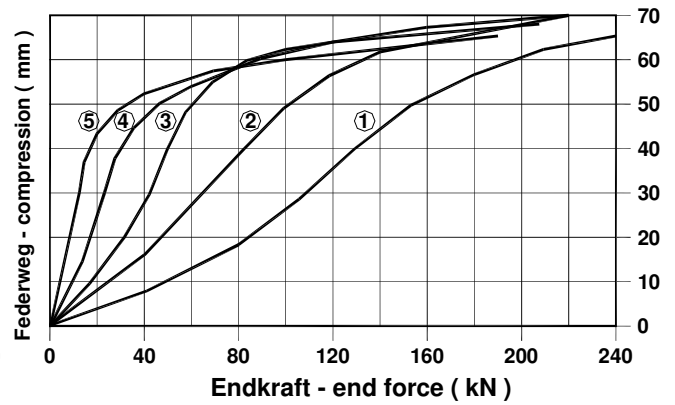
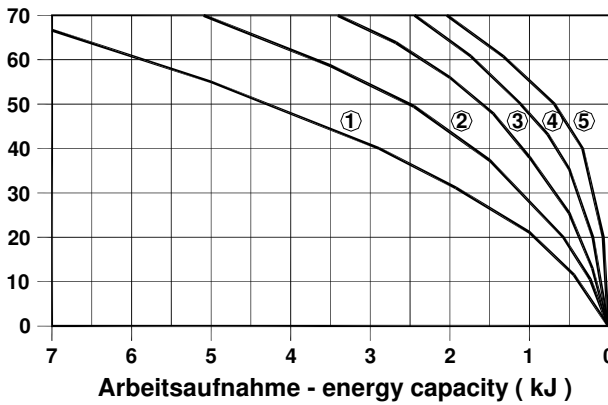
**Durel - Zellstoffpuffer / cellular plastic buffer**

**125 x 202**



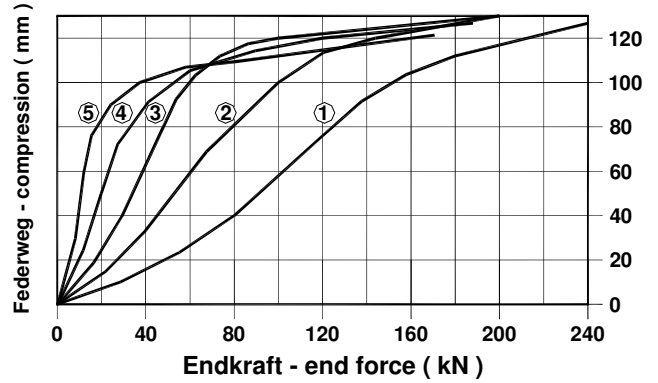
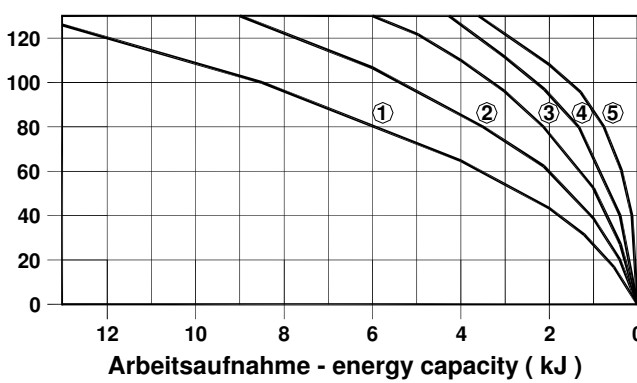
**Durel - Zellstoffpuffer / cellular plastic buffer**

**160 x 92**



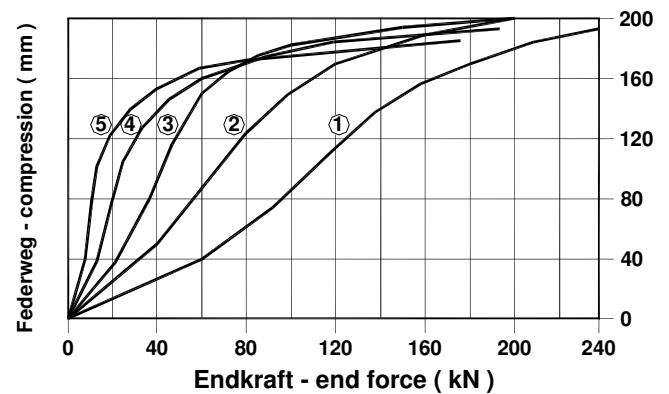
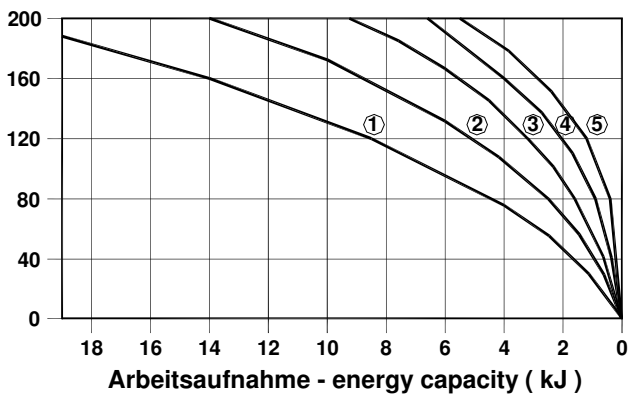
**Durel - Zellstoffpuffer / cellular plastic buffer**

**160 x 172**

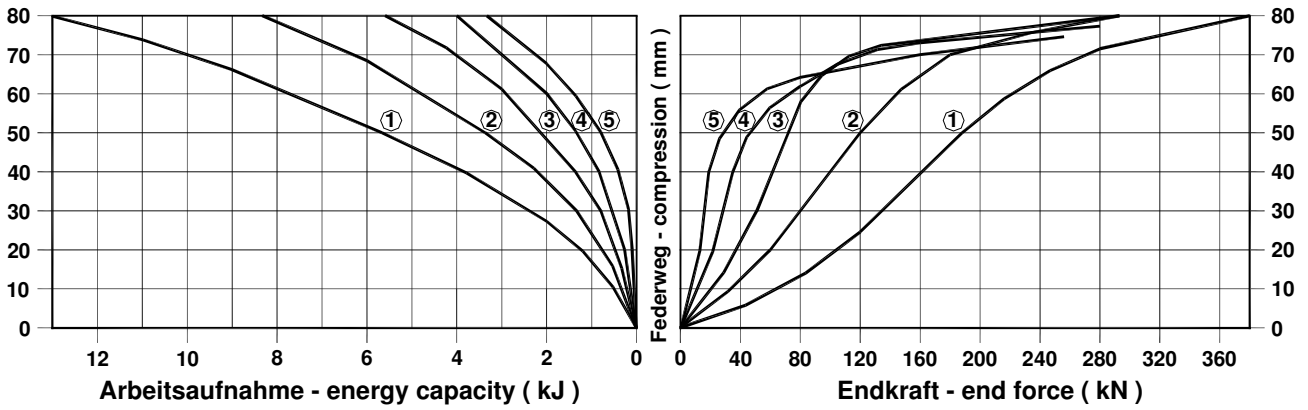


**Durel - Zellstoffpuffer / cellular plastic buffer**

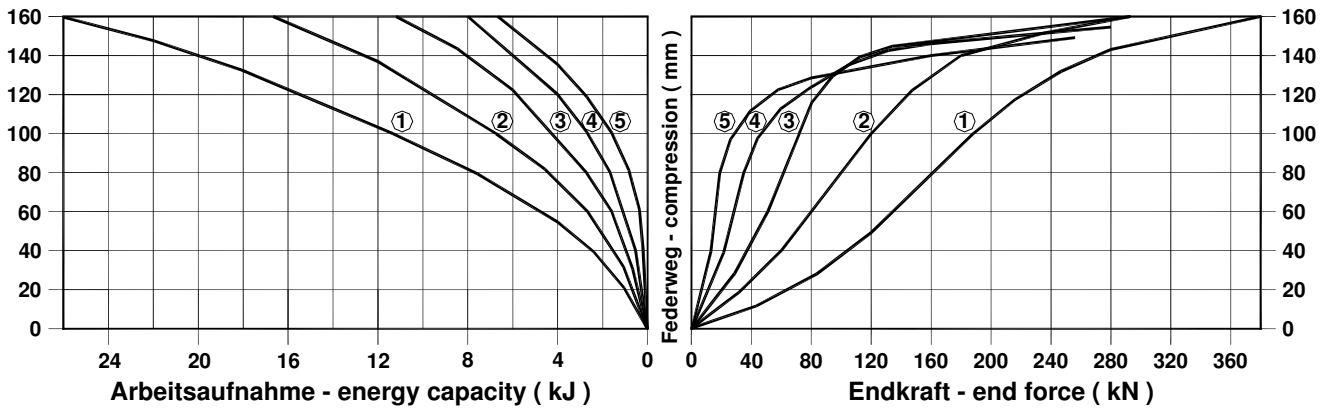
**160 x 252**



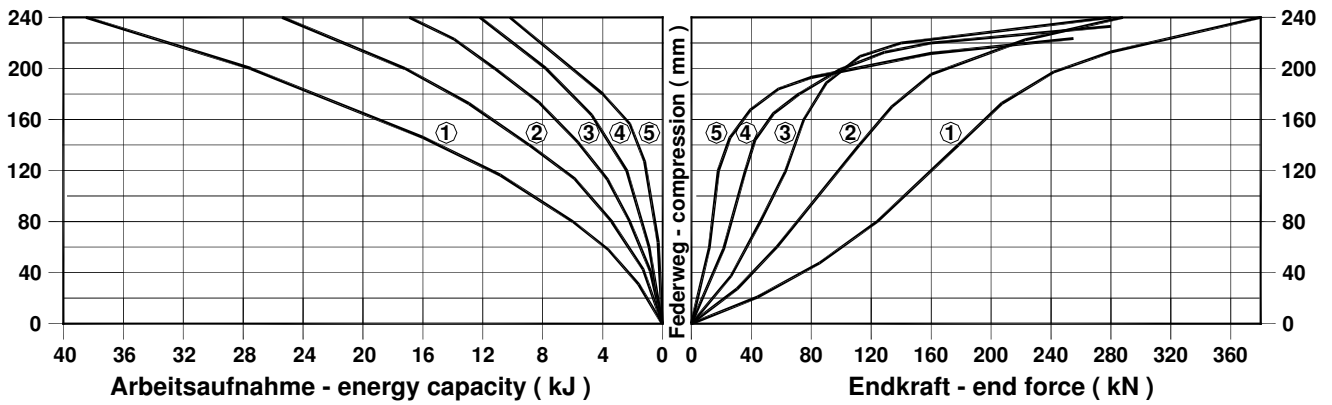
**Durel - Zellstoffpuffer / cellular plastic buffer 200 x 114**



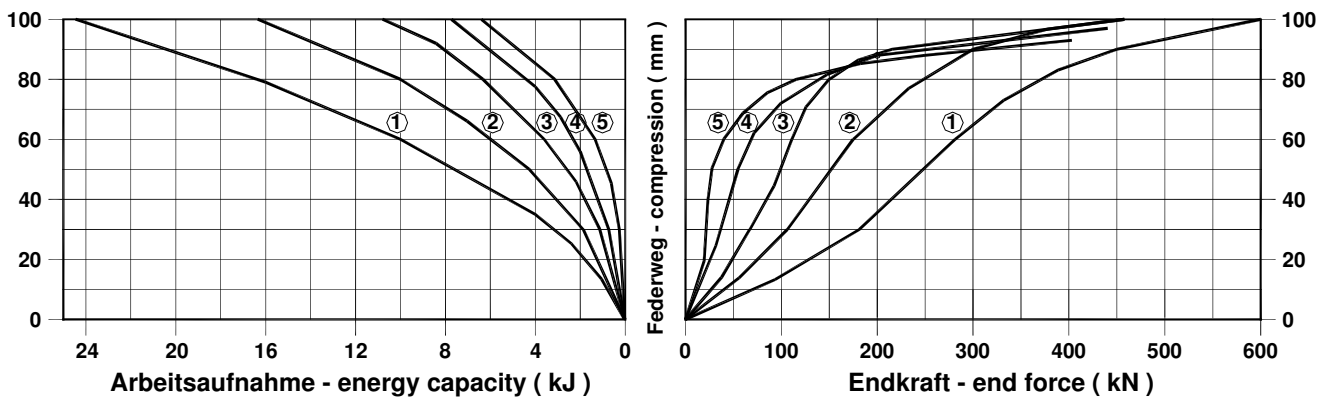
**Durel - Zellstoffpuffer / cellular plastic buffer 200 x 214**



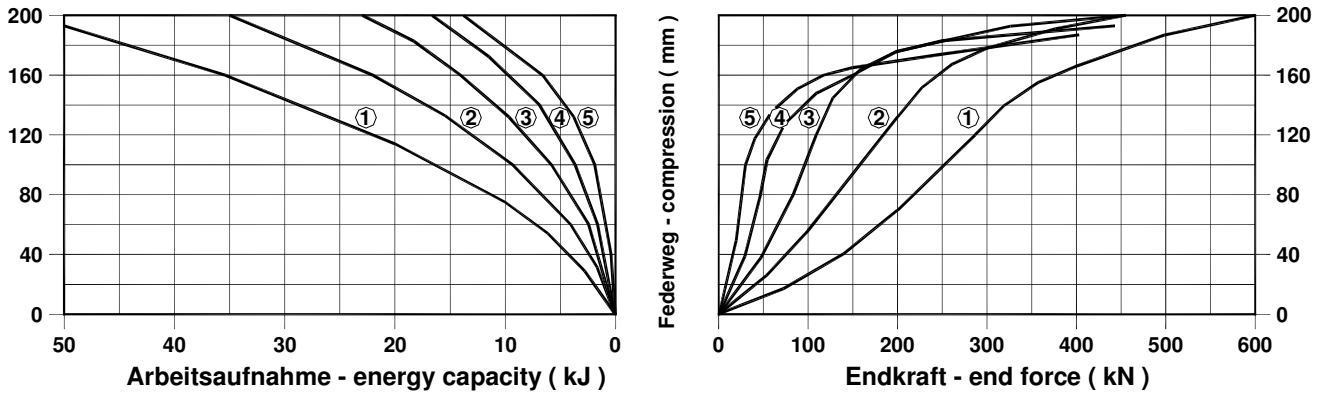
**Durel - Zellstoffpuffer / cellular plastic buffer 200 x 314**



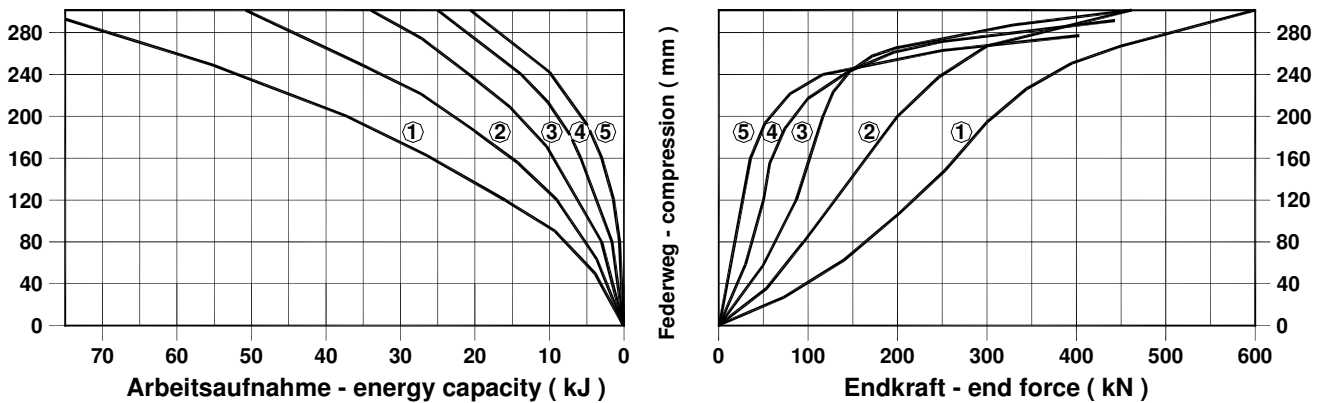
**Durel - Zellstoffpuffer / cellular plastic buffer 250 x 140**



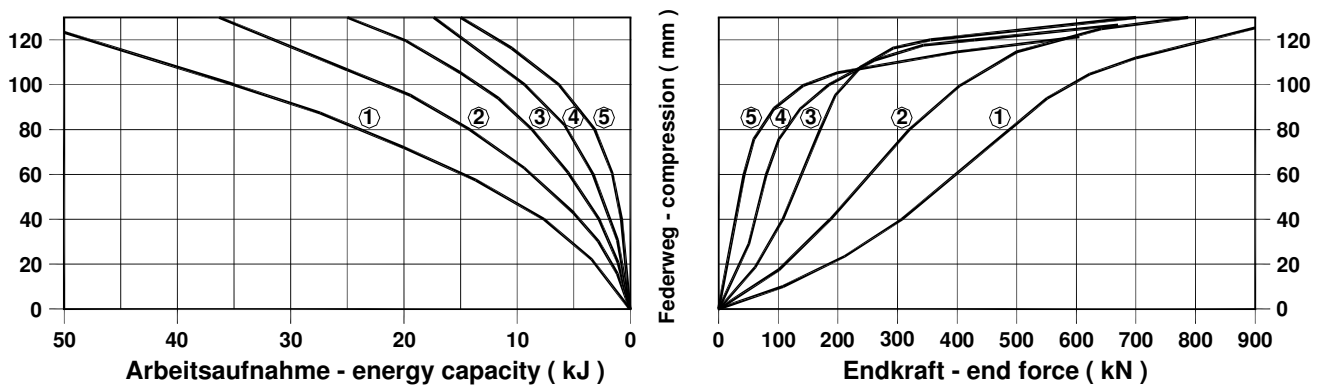
**Durel - Zellstoffpuffer / cellular plastic buffer 250 x 265**



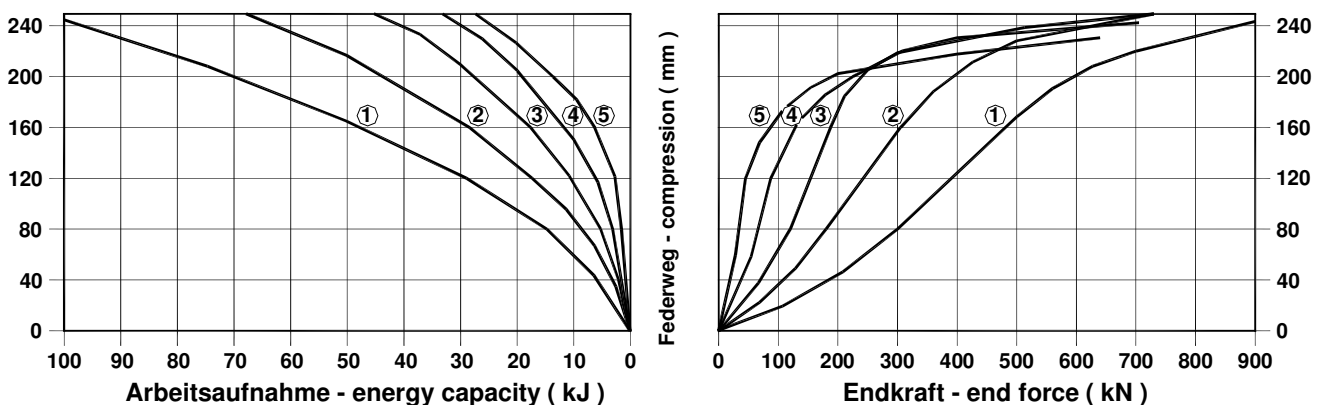
**Durel - Zellstoffpuffer / cellular plastic buffer 250 x 390**



**Durel - Zellstoffpuffer / cellular plastic buffer 315 x 175**

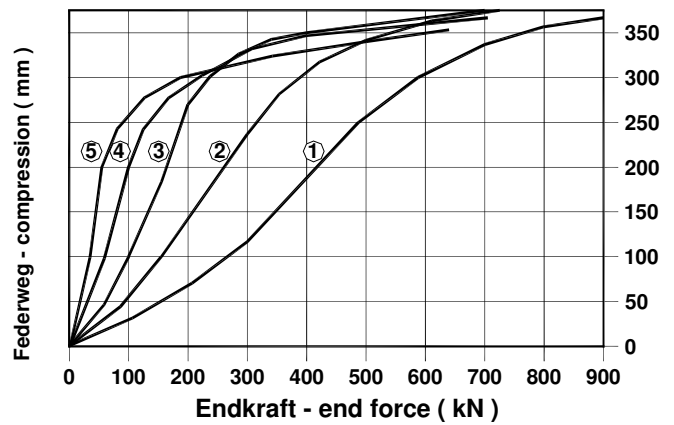
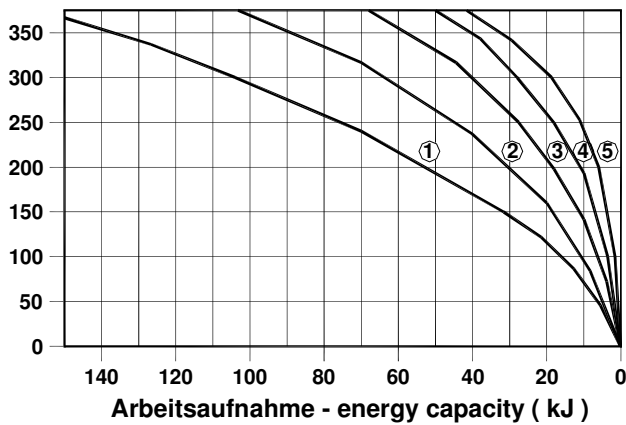


**Durel - Zellstoffpuffer / cellular plastic buffer 315 x 330**



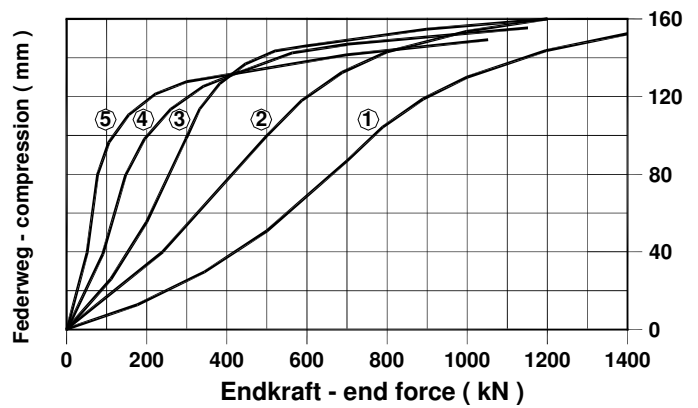
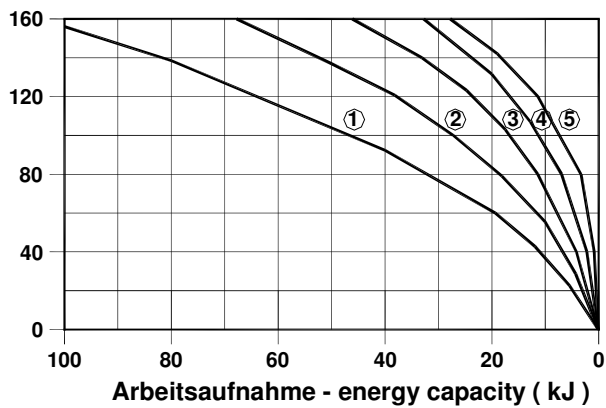
**Durel - Zellstoffpuffer / cellular plastic buffer**

**315 x 490**



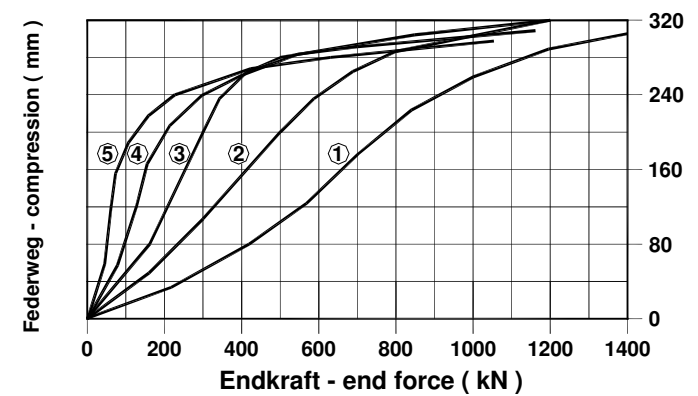
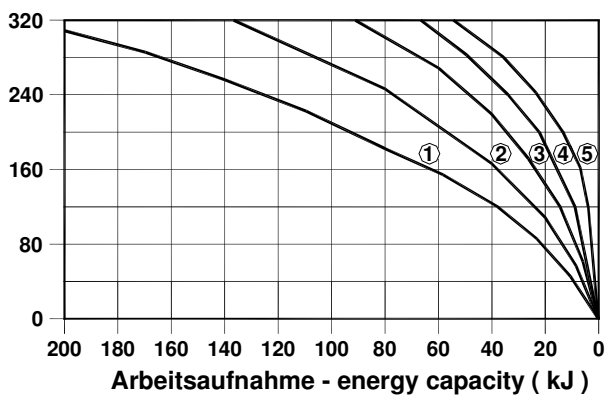
**Durel - Zellstoffpuffer / cellular plastic buffer**

**400 x 220**



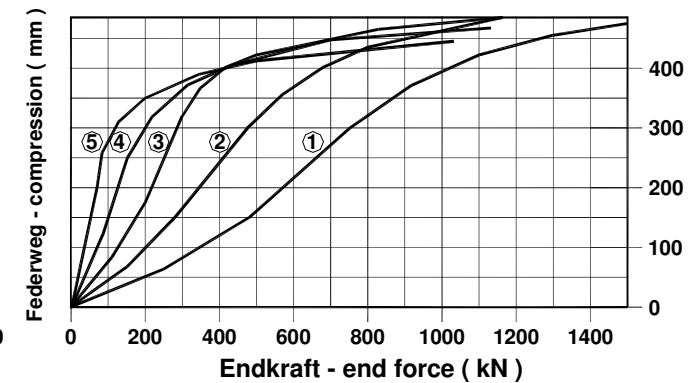
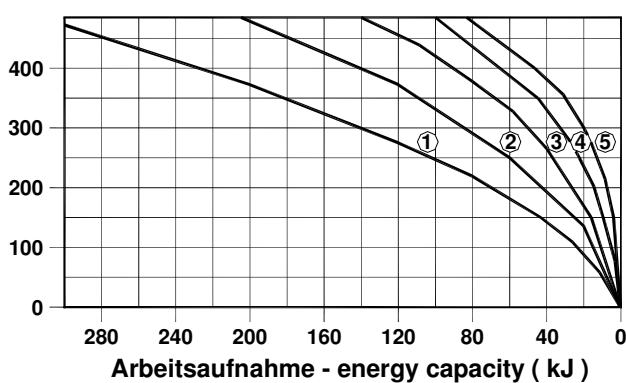
**Durel - Zellstoffpuffer / cellular plastic buffer**

**400 x 420**

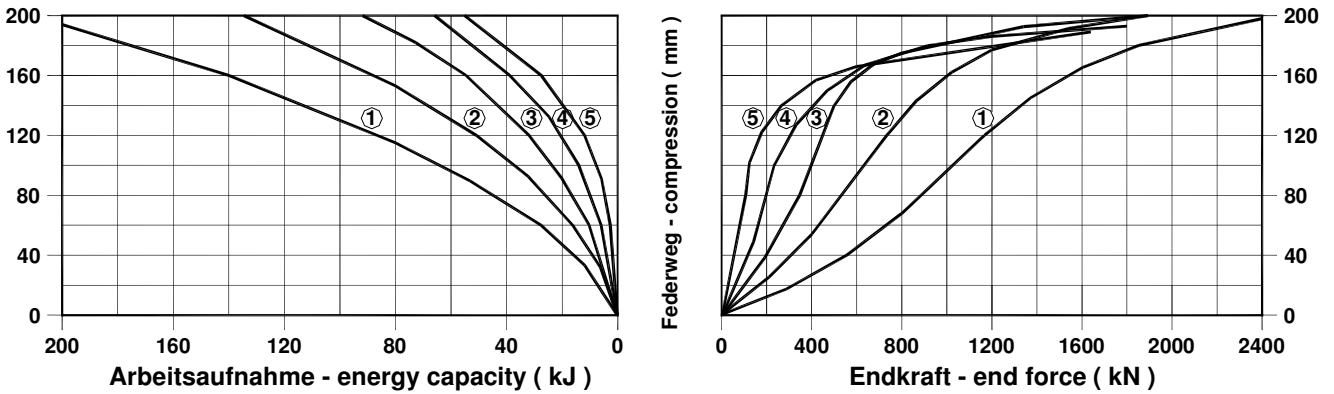


**Durel - Zellstoffpuffer / cellular plastic buffer**

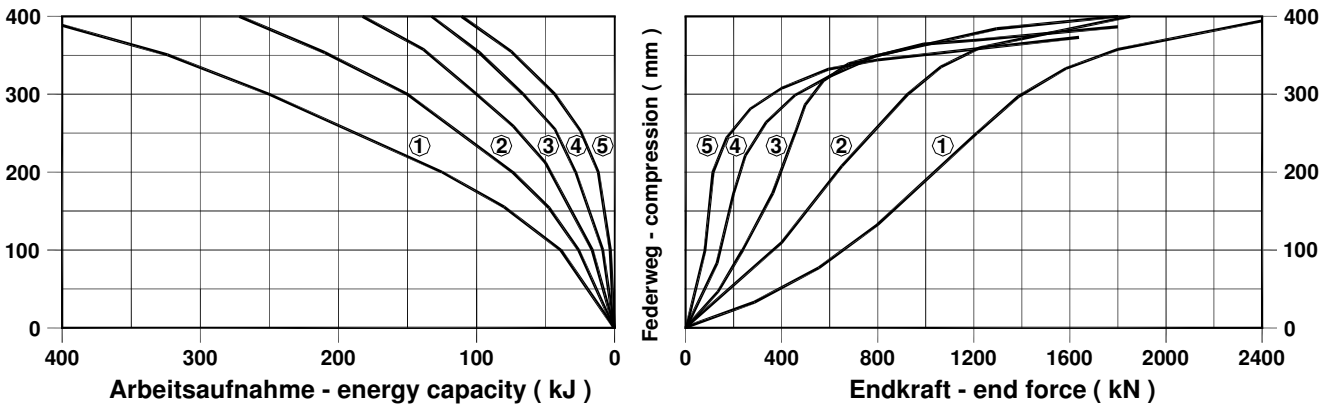
**400 x 620**



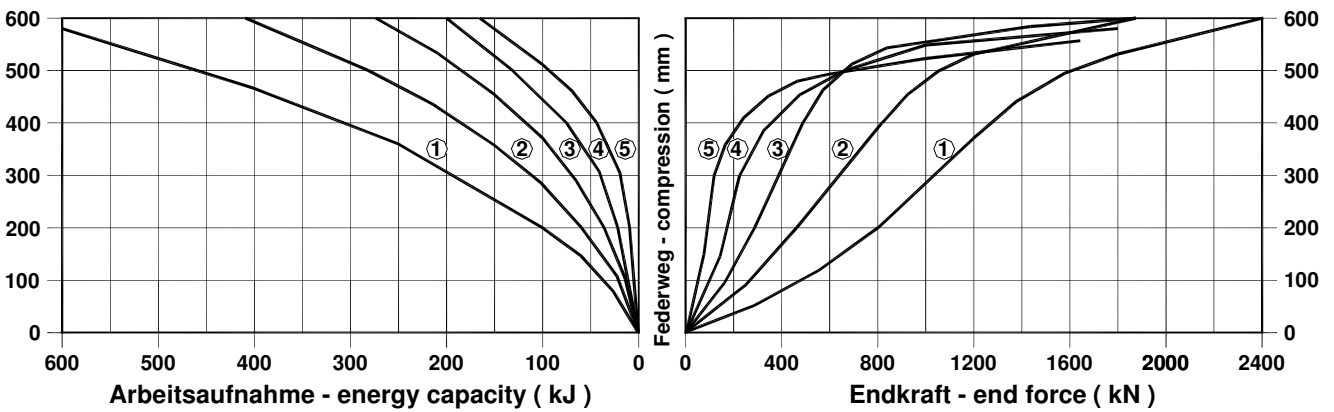
**Durel - Zellstoffpuffer / cellular plastic buffer 500 x 270**



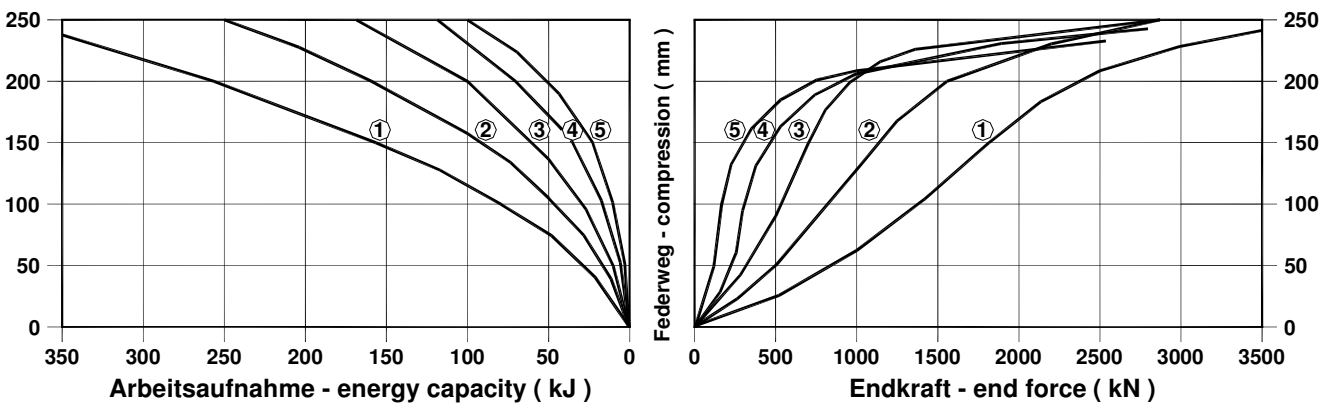
**Durel - Zellstoffpuffer / cellular plastic buffer 500 x 520**



**Durel - Zellstoffpuffer / cellular plastic buffer 500 x 770**



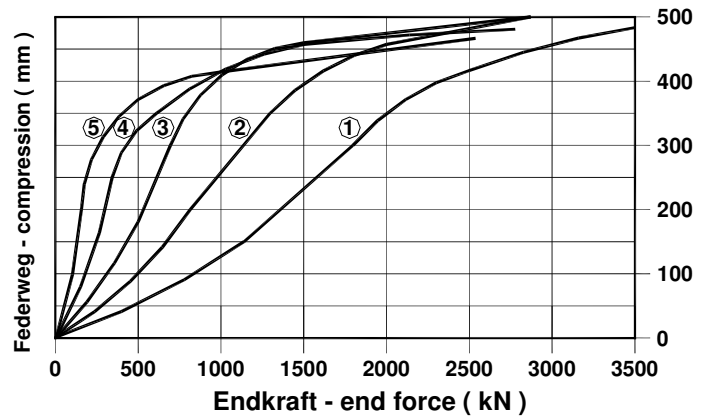
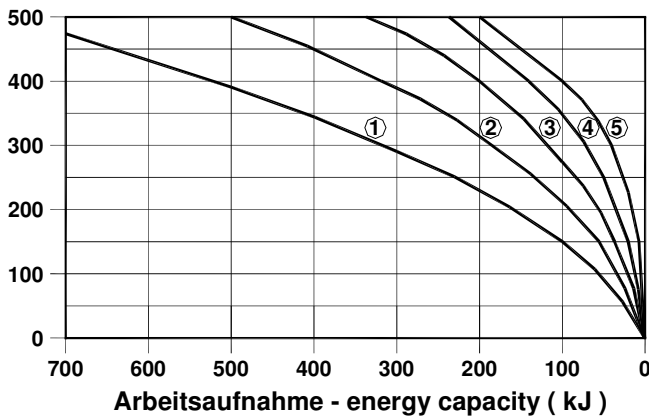
**Durel - Zellstoffpuffer / cellular plastic buffer 600 x 320**





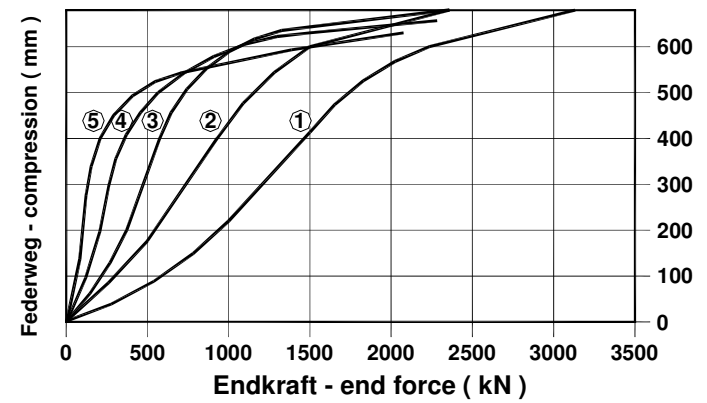
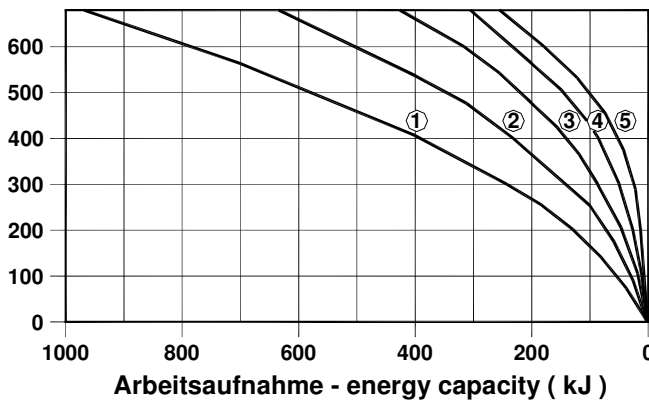
**Durel - Zellstoffpuffer / cellular plastic buffer**

**600 x 620**



**Durel - Zellstoffpuffer / cellular plastic buffer**

**600 x 920**



Aufprallgeschwindigkeiten

- ① v = 4 m/s
- ② v = 3 m/s
- ③ v = 2 m/s
- ④ v = 1 m/s
- ⑤ statisch