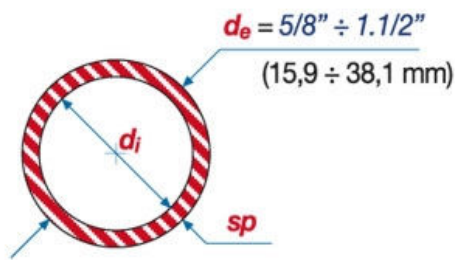


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Przeznaczone do pracy w płytach sitowych o średniej grubości



$RE_{min} = 1.1/8''$  (28,6 mm)



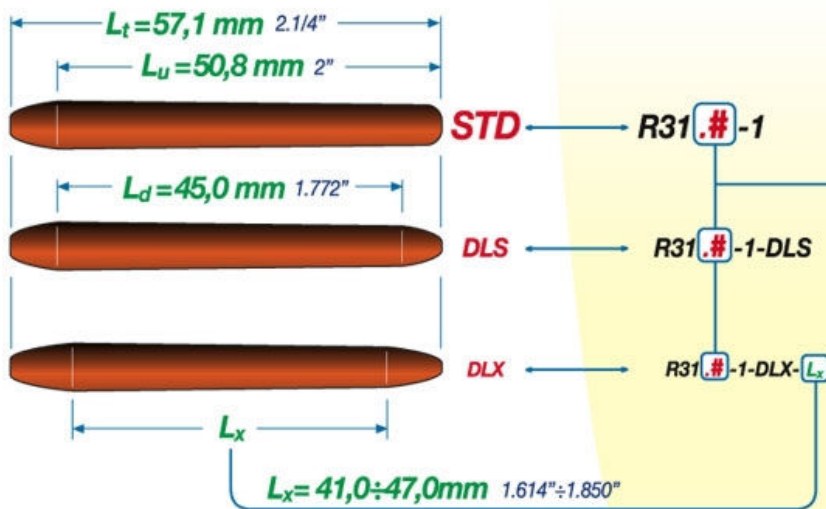
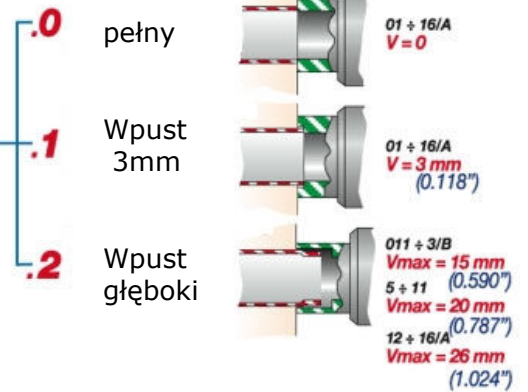
$RE_{max} = 2''$  (50,8 mm)



Przykład kodu rozwalcówki, który należy podać na zamówieniu  
 $d_e 3/4'' - 13$  B.W.G.



## Kołnierz oporowy



Rura	sp		di		Zakres rozwalcowania		Rozwalcówka		Rolki	Trzpień	Zalecany napęd Elektr. Pneumat.	
	cale	mm	cale	mm	cale	mm	NR.	NR.	NR.	cale	mm	
5/8" (15,9)	14	0.083	2,11	0.459	11,7	0.437 ÷ 0.500	11,1 ÷ 12,7	R31.#-01/A-M	01/A-L	4-01/A	3/8" (9,5)	F90 MS/40 M4/V Macrol 750
	15	0.072	1,83	0.481	12,2	0.452 ÷ 0.523	11,5 ÷ 13,3	R31.#-02-M	02-L	4-02÷02/A		Matex
	16	0.065	1,65	0.495	12,6	0.472 ÷ 0.543	12,0 ÷ 13,8	R31.#-02/A-M	02/A-L			F90 MP/1 M4/V Minirol 500 MS/60 Macrol 1350
	17	0.058	1,47	0.509	12,9	0.492 ÷ 0.571	12,5 ÷ 14,5	R31.#-03-M	03-L	4-03÷1		
	18	0.049	1,24	0.527	13,4	0.512 ÷ 0.590	13,0 ÷ 15,0	R31.#-04-M	04-L			
	19	0.042	1,07	0.541	13,7	0.531 ÷ 0.610	13,5 ÷ 15,5	R31.#-1-M	1-1/A-L			
	20	0.035	0,89	0.555	14,1							
	22	0.028	0,71	0.569	14,5							

Rura	Zakres rozwałkowania				Rozwałkówka		Rolki	Trzpień	Zalecany napęd				
	$d_e$	sp		$d_i$		cale	mm	NR.	NR.	cale	mm	Elektr.	Pneumat.
cale mm	cale	mm	cale	mm	cale	mm	NR.	NR.	NR.	cale	mm		
3/4" (19,0)	10	0.134	3,40	0.482	12,2	0.452 ÷ 0.523	11,5 ÷ 13,3	R31.#-02	02-L	4-02÷02/A	3/8" (9,5)	F90 + M4/V M4/L MS/30	Macrol 450
				0.492	12,5	0.472 ÷ 0.543	12,0 ÷ 13,8	R31.#-02/A	02/A-L				
	11	0.120	3,05	0.510	12,9	0.492 ÷ 0.571	12,5 ÷ 14,5	R31.#-03	03-L				
	12	0.109	2,77	0.532	13,4	0.512 ÷ 0.590	13,0 ÷ 15,0	R31.#-04	04-L	4-03÷1			
	13	0.095	2,41	0.560	14,2	0.531 ÷ 0.610	13,5 ÷ 15,5	R31.#-1	1-1/A-L				
	14	0.083	2,11	0.584	14,8	0.551 ÷ 0.639	14,0 ÷ 16,2	R31.#-1/A	1-1/A-L	4-1/A			
	15	0.072	1,83	0.606	15,3	0.570 ÷ 0.669	14,5 ÷ 17,0	R31.#-2	2-L				
	16	0.065	1,65	0.620	15,7	0.590 ÷ 0.689	15,0 ÷ 17,5	R31.#-2/A	2/A-L	4-2÷3/B			
	17	0.058	1,47	0.634	16,0	0.610 ÷ 0.709	15,5 ÷ 18,0	R31.#-3	3-L				
	18	0.049	1,24	0.652	16,5	0.630 ÷ 0.728	16,0 ÷ 18,5	R31.#-3/A	3/A-L				
	19	0.042	1,07	0.666	16,8								
	20	0.035	0,89	0.680	17,2								
21	0.032	0,81	0.686	17,4	0.650 ÷ 0.748	16,5 ÷ 19,0	R31.#-3/B	3/B-L					
22	0.028	0,71	0.694	17,6									
7/8" (22,2)	10	0.134	3,40	0.607	15,4	0.570 ÷ 0.669	14,5 ÷ 17,0	R31.#-2-M	2-L	4-2÷3/B	3/8" (9,5)	F90 + M4/V M4/L MS/30	Macrol 450
				0.635	16,1	0.610 ÷ 0.709	15,5 ÷ 18,0	R31.#-3-M	3-L				
	11	0.120	3,05	0.635	16,1	0.610 ÷ 0.709	15,5 ÷ 18,0	R31.#-3-M	3-L				
	12	0.109	2,77	0.657	16,6	0.630 ÷ 0.728	16,0 ÷ 18,5	R31.#-3/A-M	3/A-L				
				0.669	17,0	0.650 ÷ 0.748	16,5 ÷ 19,0	R31.#-3/B-M	3/B-L	4-5÷6			
	13	0.095	2,41	0.685	17,4	0.650 ÷ 0.748	16,5 ÷ 19,0	R31.#-3/B-M	3/B-L				
	14	0.083	2,11	0.709	18,0	0.681 ÷ 0.799	17,3 ÷ 20,3	R31.#-5-M	5-L				
	15	0.072	1,83	0.731	18,5	0.700 ÷ 0.812	17,8 ÷ 20,8	R31.#-5/A-M	5/A-L	4-7÷8/A			
	16	0.065	1,65	0.745	18,9								
	17	0.058	1,47	0.759	19,2	0.720 ÷ 0.838	18,3 ÷ 21,3	R31.#-6-M	6-7-L				
	18	0.049	1,24	0.777	19,7								
	19	0.042	1,07	0.791	20,0								
20	0.035	0,89	0.805	20,4									
21	0.032	0,81	0.811	20,6	0.748 ÷ 0.866	19,0 ÷ 22,0	R31.#-7-M	6-7-L					
22	0.028	0,71	0.819	20,8									
1" (25,4)	8	0.165	4,19	0.670	17,0	0.650 ÷ 0.748	16,5 ÷ 19,0	R31.#-3/B-S	3/B-L	4-2÷3/B	3/8" (9,5)	F90 + M4/V M4/L	Macrol 200
				0.685	17,4	0.681 ÷ 0.799	17,3 ÷ 20,3	R31.#-5	5-L				
	9	0.148	3,76	0.704	17,9	0.681 ÷ 0.799	17,3 ÷ 20,3	R31.#-5	5-L				
	10	0.134	3,40	0.732	18,6	0.700 ÷ 0.812	17,8 ÷ 20,8	R31.#-5/A	5/A-L	4-5÷6			
	11	0.120	3,05	0.760	19,3	0.720 ÷ 0.838	18,3 ÷ 21,3	R31.#-6	6-7-L				
	12	0.109	2,77	0.782	19,8	0.748 ÷ 0.866	19,0 ÷ 22,0	R31.#-7	6-7-L	4-7÷8/A			
				0.791	20,1	0.767 ÷ 0.886	19,5 ÷ 22,5	R31.#-7/A	7/A-L				
	13	0.095	2,41	0.810	20,6	0.787 ÷ 0.905	20,0 ÷ 23,0	R31.#-8	8-L				
	14	0.083	2,11	0.834	21,2	0.807 ÷ 0.925	20,5 ÷ 23,5	R31.#-8/A	8/A-L	4-9÷11			
	15	0.072	1,83	0.856	21,7								
	16	0.065	1,65	0.870	22,1	0.827 ÷ 0.964	21,0 ÷ 24,5	R31.#-9	9-L				
	17	0.058	1,47	0.884	22,4								
18	0.049	1,24	0.902	22,9	0.846 ÷ 0.984	21,5 ÷ 25,0	R31.#-9/A	9/A-L					
19	0.042	1,07	0.916	23,2									
20	0.035	0,89	0.930	23,6									
21	0.032	0,81	0.936	23,8	0.866 ÷ 1.004	22,0 ÷ 25,5	R31.#-10	10-L					
22	0.028	0,71	0.944	24,0									



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Rura	Zakres rozwałcowania				Rozwałcówka		Rolki	Trzpień	Zalecany napęd					
	d <sub>e</sub> cale mm	sp		d <sub>i</sub>		cale	mm	NR.	cale	mm	Elektr.	Pneumat.		
		cale	mm	cale	mm	cale	mm	NR.	cale	mm				
1.1/8" (28,5)	11	0.120	3,05	0.885	22,4	0.846 ÷ 0.984	21,5 ÷ 25,0	R31.#-9/A-M	9/A-L	4-9÷11	3/8" (9,5)	F90 + M4/L M4/V Matex	Macrol 200	
	12	0.109	2,77	0.907	22,9	0.866 ÷ 1.004	22,0 ÷ 25,5	R31.#-10-M	10-L		R31.#-11-M	11-L	Matex	
	13	0.095	2,41	0.935	23,7	0.905 ÷ 1.043	23,0 ÷ 26,5							
	14	0.083	2,11	0.959	24,3	0.945 ÷ 1.102	24,0 ÷ 28,0	R31.#-12-M	12-L	4-12÷14/A	1/2" (12,7)	F90	Macrol 450	
	16	0.065	1,65	0.995	25,2	0.984 ÷ 1.142	25,0 ÷ 29,0	R31.#-12/A-M	12/A-L			M4/V MS/40 M4/L		
	18	0.049	1,24	1.027	26,0							Matex		
	20	0.035	0,89	1.055	26,7									
22	0.028	0,71	1.069	27,1										
1.1/4" (31,8)	9	0.148	3,76	0.954	24,3	0.905 ÷ 1.043	23,0 ÷ 26,5	R31.#-11	11-L	4-9÷11	3/8" (9,5)	F90	Macrol 130	
	10	0.134	3,40	0.982	25,0	0.945 ÷ 1.102	24,0 ÷ 28,0	R31.#-12	12-L					
	11	0.120	3,05	1.010	25,7	0.984 ÷ 1.142	25,0 ÷ 29,0	R31.#-12/A	12/A-L	4-12÷14/A	1/2" (12,7)	F90 M4/L M4/V Matex	Macrol 200	
	12	0.109	2,77	1.032	26,2	1.027 ÷ 1.181	26,0 ÷ 30,0	R31.#-13	13-L					
	13	0.095	2,41	1.060	27,0	1.063 ÷ 1.220	27,0 ÷ 31,0	R31.#-13/A	13/A-L					
	14	0.083	2,11	1.084	27,6	1.102 ÷ 1.260	28,0 ÷ 32,0	R31.#-14	14-15-L					
	16	0.065	1,65	1.120	28,5									
	17	0.058	1,47	1.134	28,8									
18	0.049	1,24	1.152	29,3										
20	0.035	0,89	1.180	30,0										
22	0.028	0,71	1.194	30,4										
1.3/8" (34,9)	12	0.109	2,77	1.157	29,3	1.102 ÷ 1.260	28,0 ÷ 32,0	R31.#-14-M	14-15-L	4-12÷14/A	1/2" (12,7)	F90 M4/L M4/V Matex	Macrol 130	
	14	0.083	2,11	1.209	30,7	1.142 ÷ 1.299	29,0 ÷ 33,0	R31.#-14/A-M	14/A-15/A-L					
	16	0.065	1,65	1.245	31,6	1.181 ÷ 1.338	30,0 ÷ 34,0	R31.#-15-M	14-15-L	4-15÷16/A	1/2" (12,7)	F90 M4/L M4/V Matex	Macrol 200	
	18	0.049	1,24	1.277	32,4	1.220 ÷ 1.378	31,0 ÷ 35,0	R31.#-15/A-M	14/A-15/A-L					
	20	0.035	0,89	1.305	33,1	1.260 ÷ 1.417	32,0 ÷ 36,0	R31.#-16-M	16-L					
	22	0.028	0,71	1.319	33,5									
1.1/2" (38,1)	8	0.165	4,19	1.170	29,7	1.142 ÷ 1.299	29,0 ÷ 33,0	R31.#-14/A	14/A-15/A-L	4-12÷14/A	1/2" (12,7)	F90 M4/L MG/49 Matex	Macrol 130 Masterol 180	
	9	0.148	3,76	1.204	30,6	1.181 ÷ 1.338	30,0 ÷ 34,0	R31.#-15	14-15-L					
	10	0.134	3,40	1.232	31,3	1.220 ÷ 1.378	31,0 ÷ 35,0	R31.#-15/A	14/A-15/A-L	4-15÷16/A	1/2" (12,7)	F90 M4/L M4/V Matex	Macrol 200	
	11	0.120	3,05	1.260	32,0	1.260 ÷ 1.417	32,0 ÷ 36,0	R31.#-16	16-L					
	12	0.109	2,77	1.282	32,5									
	13	0.095	2,41	1.310	33,3									
	14	0.083	2,11	1.334	33,9									
	15	0.072	1,83	1.356	34,4									
	16	0.065	1,65	1.370	34,8									
	17	0.058	1,47	1.384	35,1									
	18	0.049	1,24	1.402	35,6	1.319 ÷ 1.476	33,5 ÷ 37,5	R31.#-16/A	16/A-L					
20	0.035	0,89	1.430	36,3										
22	0.028	0,71	1.444	36,7										