

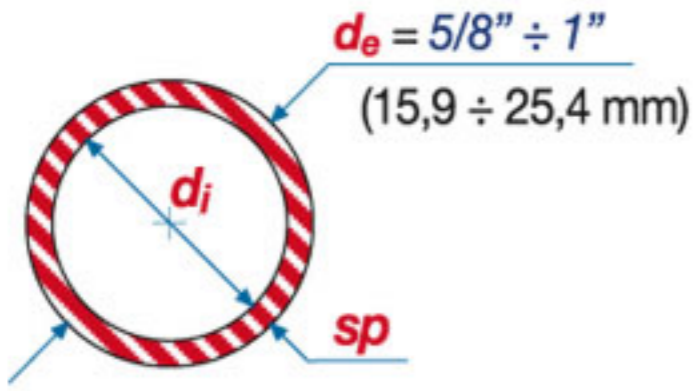
R/141-R/161

Mandrino allargatubi a passo multiplo per piastre tubiere di grosso spessore

Step by step tube expander for thick tube-sheets

Dudgeon évaseur à pas multiple pour plaques tubulaires de forte épaisseur

Selbsttätige Schnellstepp-Rohrwalze für Rohrböden mit großer Stärke



RE_{min} R/141 = 1" (25,4 mm)
 RE_{min} R/161 = 1.3/4" (44,5 mm)

R/141 RE_{max} = 7.7/8" (200,0 mm)
R/161 RE_{max} = 8.7/8" (225,4 mm)

Testa di battuta con dispositivo a scatto.
Risparmio di tempo e riduzione degli errori!
Thrust collar with release device. Savings of time and reduction of errors!
Tête de butée avec dispositif à déclic. Economie de temps et réduction des erreurs!
Anschlagkopf mit Schnappvorrichtung. Zeitersparnis und Fehlerreduzierung!

Regolabilità della testa filettata
Adjustment of the threaded thrust collar
Tête fileté réglable
Justierbarkeit des Kopfs mit Gewinde

Dispositivo a molla di ritorno e fermo spina
Stop and return spring device
Dispositif à ressort de rappel et arrêt broche
Federrückzug- und Dornfeststellvorrichtung

R/141

$\pm 9,5$ mm $\pm 3/8"$

25,0 (0.984")

R/161

45,0 (1.772")

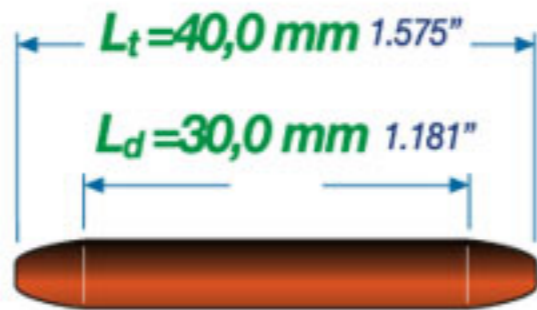
Codice d'esempio per ordinazione mandrini
Sample code for ordering tube expanders
Code d'exemple pour commande dudgeons
Bestellnr. Bestellbeispiel Rohrwalze

Testa di battuta
Thrust collar
Tête de butée
Anschlagkopf



d_e 3/4" - 20 B.W.G.

R/141

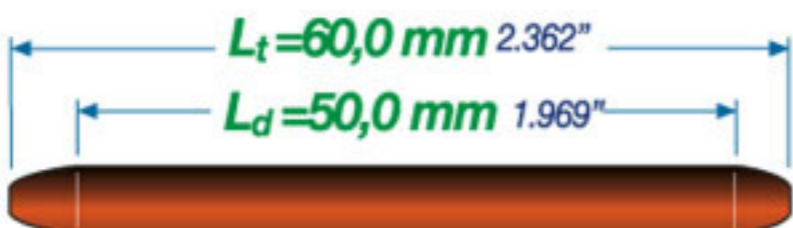


DLS → R141.#-3/B

.0 a battuta piana
with plane shoulder
a butée plane
mit flachem Anschlag

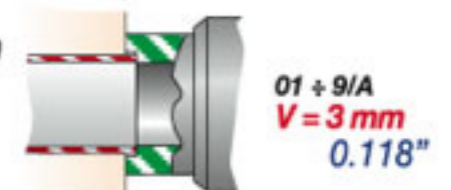


R/161



DLS → R161.#-3/B

.1 con incavo a 3 mm
with 3 mm recess
avec entaille à 3 mm
mit 3 mm Eindrehung



.2 con incavo profondo
with deep recess
avec entaille profonde
mit tiefer Eindrehung



Mandrinatrici consigliate

Suggested rolling machines
Dudgeonneuses conseillées
Empfohlene Rohreinwalzanlagen

R/141 R/161

de inches mm	Tubo Tube Rohr		Espansione Expansion Walzbereich		Mandrino Tube expander Dudgeon Rohrwalzen	Rulli Rolls Galets Rollen	Mandrino Tube expander Dudgeon Rohrwalzen	Rulli Rolls Galets Rollen	Spina Mandrel Broche Dorn	inches mm	Elettriche Electrical Electriques elektrisch		Pneumatiche Pneumatic Pneumatiques pneumatisch						
	sp	di	inches	mm	Cod.	Cod.	Cod.	Cod.	Cod.		R/141	R/161							
5/8" (15,9)	14	0.083	2,11	0.459	11,7	0.437 ÷ 0.500	11,1 ÷ 12,7	R141.#-01/A	01/A-T	R161.#-01/A	01/A-V	6-01/A	3/8" (9,5)	F90 + MS/40 MS/60 M4/V Matex	F90 + MS/40 M4/V Matex	Macrol 750			
	15	0.072	1,83	0.481	12,2	0.452 ÷ 0.523	11,5 ÷ 13,3	R141.#-02-M	02-T	R161.#-02-M	02-V	6-02÷02/A							
	16	0.065	1,65	0.495	12,6	0.472 ÷ 0.543	12,0 ÷ 13,8	R141.#-02/A-M	02/A-T	R161.#-02/A-M	02-A-V								
	17	0.058	1,47	0.509	12,9	0.492 ÷ 0.571	12,5 ÷ 14,5	R141.#-03-M	03-T	R161.#-03-M	03-V	6-03÷1							
	18	0.049	1,24	0.527	13,4	0.512 ÷ 0.590	13,0 ÷ 15,0	R141.#-04-M	04-T	R161.#-04-M	04-V								
	19	0.042	1,07	0.541	13,7			R141.#-1-M	1-1/A-T	R161.#-1-M	1-1/A-V								
	20	0.035	0,89	0.555	14,1	0.531 ÷ 0.610	13,5 ÷ 15,5												
22	0.028	0,71	0.569	14,5															
3/4" (19,0)	10	0.134	3,40	0.482	12,2	0.452 ÷ 0.523	11,5 ÷ 13,3	R141.#-02	02-T	R161.#-02	02-V	6-02-02/A	3/8" (9,5)	F90 + M4/V MS/40 M4/L Matex	F90 + M4/V MS/30 M4/L Matex	Macrol 450			
	11	0.120	3,05	0.510	12,9	0.492 ÷ 0.571	12,5 ÷ 14,5	R141.#-03	03-T	R161.#-03	03-V								
	12	0.109	2,77	0.532	13,4	0.512 ÷ 0.590	13,0 ÷ 15,0	R141.#-04	04-T	R161.#-04	04-V	6-03÷1							
	13	0.095	2,41	0.560	14,2	0.531 ÷ 0.610	13,5 ÷ 15,5	R141.#-1	1-1/A-T	R161.#-1	1-1/A-V								
	14	0.083	2,11	0.584	14,8	0.551 ÷ 0.639	14,0 ÷ 16,2	R141.#-1/A	1-1/A-T	R161.#-1/A	1-1/A-V	6-1/A							
	15	0.072	1,83	0.606	15,3	0.570 ÷ 0.669	14,5 ÷ 17,0	R141.#-2	2-T	R161.#-2	2-V								
	16	0.065	1,65	0.620	15,7	0.590 ÷ 0.689	15,0 ÷ 17,5	R141.#-2/A	2/A-T	R161.#-2/A	2/A-V	6-2÷3/B							
	17	0.058	1,47	0.634	16,0			R141.#-3	3-T	R161.#-3	3-V								
	18	0.049	1,24	0.652	16,5	0.610 ÷ 0.709	15,5 ÷ 18,0	R141.#-3/A	3/A-T	R161.#-3/A	3/A-V								
	19	0.042	1,07	0.666	16,8	0.630 ÷ 0.728	16,0 ÷ 18,5	R141.#-3/A	3/A-T	R161.#-3/A	3/A-V	6-7÷8/A							
20	0.035	0,89	0.680	17,2	0.650 ÷ 0.748	16,5 ÷ 19,0	R141.#-3/B	3/B-T	R161.#-3/B	3/B-V									
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	R141.#-2-M	2-T	R161.#-2-M	2-V	6-2÷3/B	3/8" (9,5)	F90 + M4/V MS/40 M4/L MP/1 Matex	F90 + M4/V MS/30 M4/L Matex	Macrol 450			
	11	0.120	3,05	0.635	16,1	0.610 ÷ 0.709	15,5 ÷ 18,0	R141.#-3-M	3-T	R161.#-3-M	3-V								
	12	0.109	2,77	0.657	16,6	0.630 ÷ 0.728	16,0 ÷ 18,5	R141.#-3/A-M	3/A-T	R161.#-3/A-M	3/A-V	6-5÷6							
	13	0.095	2,41	0.685	17,4	0.650 ÷ 0.748	16,5 ÷ 19,0	R141.#-3/B-M	3/B-T	R161.#-3/B-M	3/B-V								
	14	0.083	2,11	0.709	18,0	0.681 ÷ 0.799	17,3 ÷ 20,3	R141.#-5-M	5-T	R161.#-5-M	5-V	6-7÷8/A							
	15	0.072	1,83	0.731	18,5	0.700 ÷ 0.812	17,8 ÷ 20,8	R141.#-5/A-M	5/A-T	R161.#-5/A-M	5/A-V								
	16	0.065	1,65	0.745	18,9	0.720 ÷ 0.838	18,3 ÷ 21,3	R141.#-6-M	6-T	R161.#-6-M	6-V								
	17	0.058	1,47	0.759	19,2			R141.#-7-M	7-T	R161.#-7-M	7-V								
	18	0.049	1,24	0.777	19,7	0.748 ÷ 0.866	19,0 ÷ 22,0												
	19	0.042	1,07	0.791	20,0														
20	0.035	0,89	0.805	20,4															
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	R141.#-3/B-S	3/B-T	R161.#-3/B-S	3/B-V	6-2÷3/B	3/8" (9,5)	F90 + M4/V MS/30 M4/L Matex	F90 + M4/V MS/40 M4/L Matex	(R/141) Macrol 450 (R/161) Macrol 200			
	9	0.148	3,76	0.704	17,9			0.681 ÷ 0.799	17,3 ÷ 20,3	R141.#-5	5-T						R161.#-5	5-V	
	10	0.134	3,40	0.732	18,6	0.700 ÷ 0.812	17,8 ÷ 20,8	R141.#-5/A	5/A-T	R161.#-5/A	5/A-V	6-5÷6							
	11	0.120	3,05	0.760	19,3	0.720 ÷ 0.838	18,3 ÷ 21,3	R141.#-6	6-T	R161.#-6	6-V								
	12	0.109	2,77	0.782	19,8	0.748 ÷ 0.866	19,0 ÷ 22,0	R141.#-7	7-T	R161.#-7	7-V	6-7÷8/A							
	13	0.095	2,41	0.810	20,6	0.767 ÷ 0.886	19,5 ÷ 22,5	R141.#-7/A	7/A-T	R161.#-7/A	7/A-V								
	14	0.083	2,11	0.834	21,2	0.787 ÷ 0.905	20,0 ÷ 23,0	R141.#-8	8-T	R161.#-8	8-V								
	15	0.072	1,83	0.856	21,7	0.807 ÷ 0.925	20,5 ÷ 23,5	R141.#-8/A	8/A-T	R161.#-8/A	8/A-V	6-9÷10							
	16	0.065	1,65	0.870	22,1			0.827 ÷ 0.964	21,0 ÷ 24,5	R141.#-9	9-T						R161.#-9	9-V	
	17	0.058	1,47	0.884	22,4	0.846 ÷ 0.984	21,5 ÷ 25,0					6-9÷10							
	18	0.049	1,24	0.902	22,9			R141.#-9/A	9/A-T	R161.#-9/A	9/A-V								
	19	0.042	1,07	0.916	23,2	0.866 ÷ 1.004	22,0 ÷ 25,5										6-9÷10		
	20	0.035	0,89	0.930	23,6			R141.#-10	10-T	R161.#-10	10-V								
22	0.028	0,71	0.944	24,0															