

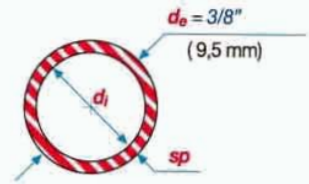
R/13

Per tubi di piccolo diametro e piastre tubiere di piccola spessore

For small diameter tubes and low thickness tube-sheets

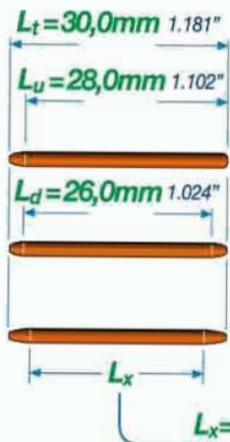
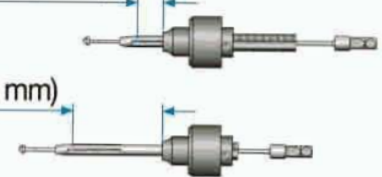
Pour tubes de petit diamètre et plaques tubulaires de petite épaisseur

Für Rohre mit kleinem Durchmesser und Rohrböden mit geringer Stärke



$RE_{min} = 5/8"$ (15,9 mm)

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



Codice d'esempio per ordinazione mandrini

Sample code for ordering tube expanders
Code d'exemple pour commande dudgeons
Bestelnr. Bestellbeispiel Rohrwalze

$d_e 3/8" - 19$ B.W.G.

STD → **R13.0 -021**

DLS → **R13.0 -021-DLS**

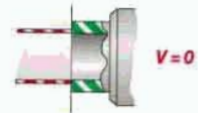
DLX → **R13.0 -021-DLX-L_x**

Testa di battuta

Thrust collar
Tête de butée
Anschlagkopf



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



Tubo
Tube
Tube
Rohr

d_e inches mm	sp		d_i		Espansione Expansion Walzbereich		Mandrino Tube expander Dudgeon Rohrwalzen Nr.	Rulli Rolls Galets Rollen Nr.	Spina Mandrel Broche Dorn Nr.	inches mm	Elettriche Electrical Electriques elektrisch	Pneumatiche Pneumatic Pneumatiques pneumatish
	B.W.G.	inches	mm	inches	mm	inches						
3/8" (9,5)	16	0.065	1,65	0.236	6,0	0.228 ÷ 0.260	5,8 ÷ 6,6	R13.0-027	027-L	1/4" (6,3)	F90 + MP/4	Minirol 1300
	17	0.058	1,47	0.245	6,2	0.236 ÷ 0.268	6,0 ÷ 6,8	R13.0-026	026-L			
	18	0.049	1,24	0.252	6,4	0.244 ÷ 0.276	6,2 ÷ 7,0	R13.0-025	025-L			
	19	0.042	1,07	0.259	6,5	0.252 ÷ 0.283	6,4 ÷ 7,2	R13.0-024	024-L			
	20	0.035	0,89	0.268	6,8	0.260 ÷ 0.291	6,6 ÷ 7,4	R13.0-023	023-L			
	21	0.032	0,81	0.277	7,0	0.268 ÷ 0.307	6,8 ÷ 7,8	R13.0-022	022-L			
	22	0.028	0,71	0.291	7,3	0.275 ÷ 0.315	7,0 ÷ 8,0	R13.0-021	021-L			
				0.295	7,5	0.283 ÷ 0.323	7,2 ÷ 8,2	R13.0-020	020-L			
				0.305	7,7	0.291 ÷ 0.330	7,4 ÷ 8,4	R13.0-019	019-L			
				0.311	7,9	0.299 ÷ 0.338	7,6 ÷ 8,6	R13.0-018	018-L			
			0.319	8,1	0.307 ÷ 0.346	7,8 ÷ 8,8	R13.0-017-M	017-L			Minirol 2100	