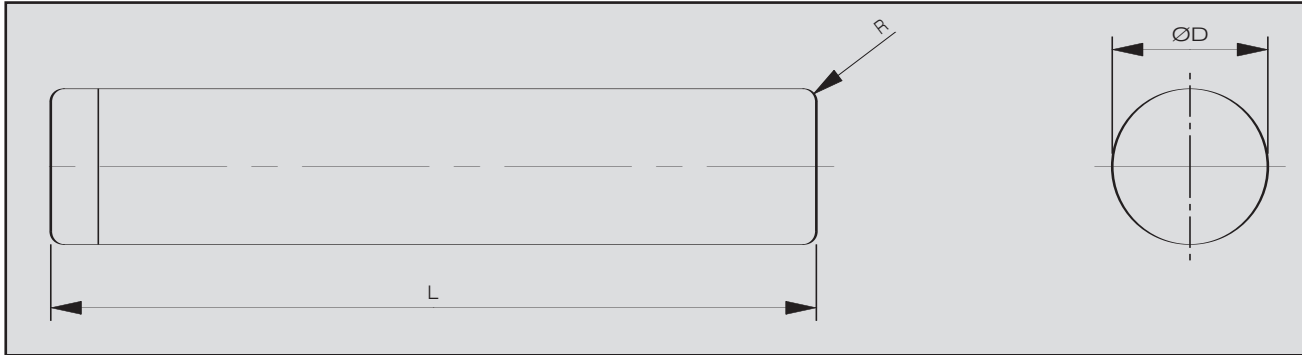


# Oil-less Standard Die-set Press Fit Pin and Bush

Hales self-lubricating die components offer industry self-lubricating, maintenance-free performance resulting in overall cost savings and operational safety.



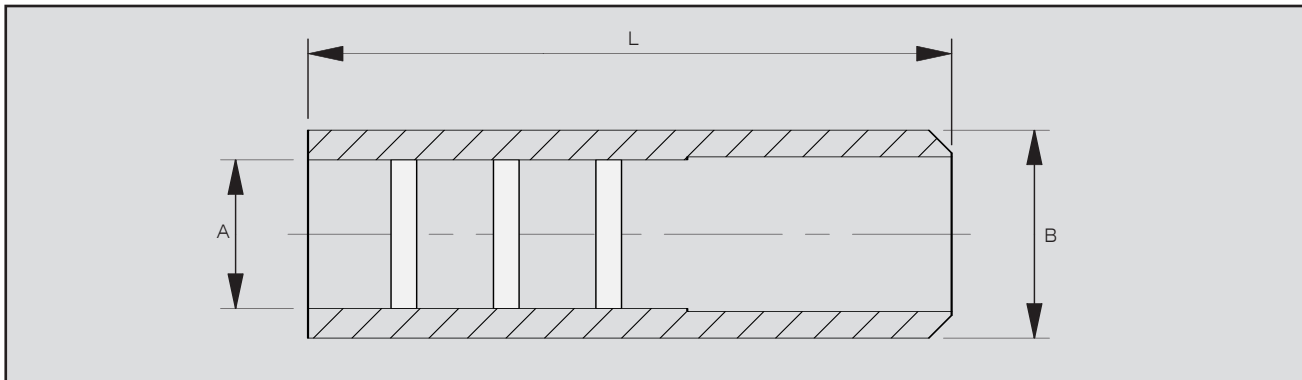
HALES STANDARD DIE SET GUIDE PINS  
MATERIAL: HIGH CARBON CHROME BEARING STEEL



TOLERANCE	
D=	+0
	-0.0002"

HALES CODE	D	L										
HP .75 x L	0.7355	4.5	5.5	7	8							
HP 1 x L	0.9855	4.5	5.25	5.75	6.5	7	7.5	8	9	9 1/2	10	
HP 1.25 x L	1.2355	5.25	5.75	6.5	7	7.5	8	8.5	9.5	10	11	12
HP 1.5 x L	1.4855	5.75	6	6.5	7	7.5	8	8.5	9.5	10	11	12
HP 1.75 x L	1.7355	10	12									

HALES STANDARD DIE SET GUIDE BUSH  
MATERIAL: HIGH CARBON CHROME BEARING STEEL WITH SOLID LUBRICANT



TOLERANCE	
A=	+0.0003
	-0
B=	+0.0003
	-0

HALES CODE	A	B	L		
HB .75 x L	0.7356	1.1271	2.125	2.625	
HB 1 x L	0.9856	1.5021	3	3.5	
HB 1.25 x L	1.2356	1.7521	3	3.5	4.378
HB 1.5 x L	1.4856	2.0021	3.5	4.375	5.25
HB 1.75 x L	1.7356	2.5021	4.5	5.25	