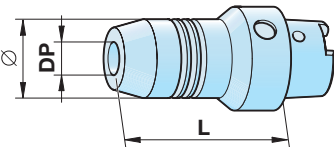
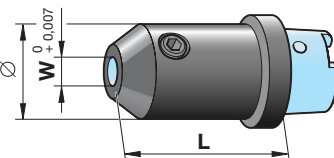
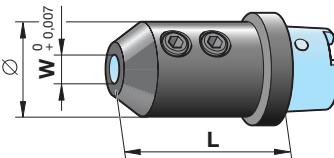
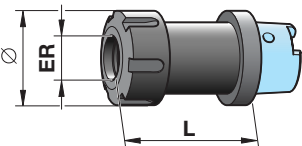
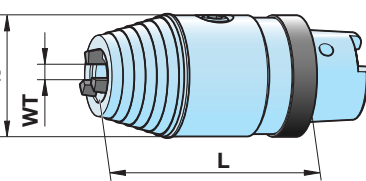
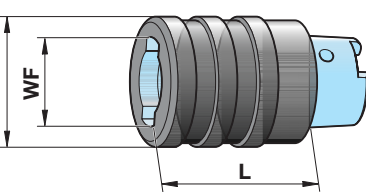
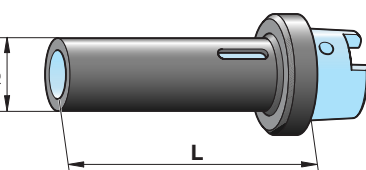


## Mandrin à cône creux HSK, DIN 69893, pour changement manuel

Se monte sur:	Type	Cotations pour implantation			Désignation		
MAX 20 F-HSK 50 MAX 25 FH-HSK 50 MAX 5 B-HSK 50 MAX 30 B-HSK 63 MAX 45 B-HSK 63 ETR 36-HSK 50 MAX 20 CN-HSK 50	<b>HSK 50/DP 6</b>	DP 6	L=60	∅26	 <p>Mandrin expansible hydraulique pour outil h6 ∅ 6 et 8 mm, h7 ∅ 10 à 20 mm</p>		
	<b>HSK 50/DP 8</b>	DP 8	L=60	∅28			
	<b>HSK 50/DP 10</b>	DP 10	L=65	∅30			
	<b>HSK 50/DP 12</b>	DP 12	L=75	∅32			
	<b>HSK 50/DP 16</b>	DP 16	L=80	∅38			
	<b>HSK 50/DP 20</b>	DP 20	L=80	∅42			
	<b>HSK 63/DP 6</b>	CM 6	L=60	∅26			
	<b>HSK 63/DP 8</b>	DP 8	L=60	∅28			
	<b>HSK 63/DP 10</b>	DP 10	L=65	∅30			
	<b>HSK 63/DP 12</b>	DP 12	L=75	∅32			
	<b>HSK 63/DP 16</b>	DP 16	L=80	∅38			
	<b>HSK 63/DP 20</b>	DP 20	L=80	∅42			
	MAX 20 F-HSK 50 MAX 25 FH-HSK 50 MAX 5 B-HSK 50 MAX 30 B-HSK 63 MAX 45 B-HSK 63 ETR 36-HSK 50 MAX 20 CN-HSK 50	<b>HSK 50/W 6</b>	W 6	L=65		∅25	 <p>Exécution jusqu'au ∅20 mm</p>  <p>Exécution à partir de ∅25 mm</p> <p>Mandrin de serrage Weldon DIN 6359</p>
		<b>HSK 50/W 8</b>	W 8	L=65		∅28	
<b>HSK 50/W 10</b>		W 10	L=65	∅35			
<b>HSK 50/W 12</b>		W 12	L=80	∅42			
<b>HSK 50/W 14</b>		W 14	L=80	∅44			
<b>HSK 50/W 16</b>		W 16	L=80	∅48			
<b>HSK 50/W 18</b>		W 18	L=80	∅50			
<b>HSK 50/W 20</b>		W 20	L=80	∅52			
<b>HSK 63/W 6</b>		W 6	L=65	∅25			
<b>HSK 63/W 8</b>		W 8	L=65	∅28			
<b>HSK 63/W 10</b>		W 10	L=65	∅35			
<b>HSK 63/W 12</b>		W 12	L=80	∅42			
<b>HSK 63/W 14</b>		W 14	L=80	∅44			
<b>HSK 63/W 16</b>		W 16	L=80	∅48			
<b>HSK 63/W 18</b>	W 18	L=80	∅50				
<b>HSK 63/W 20</b>	W 20	L=80	∅52				
<b>HSK 63/W 25</b>	W 25	L=110	∅65				
<b>HSK 63/W 32</b>	W 32	L=110	∅72				
MAX 20 F-HSK 50 MAX 25 FH-HSK 50 MAX 5 B-HSK 50 MAX 30 B-HSK 63 MAX 45 B-HSK 63 ETR 36-HSK 50 MAX 20 CN-HSK 50	<b>HSK 50/ER 16</b>	ER 16	L=100	∅28	 <p>Mandrin pour pince ER</p>		
	<b>HSK 50/ER 32</b>	ER 32	L=100	∅50			
	<b>HSK 63/ER 16</b>	ER 16	L=100	∅28			
	<b>HSK 63/ER 32</b>	ER 32	L=100	∅50			
MAX 20 F-HSK 50 MAX 25 FH-HSK 50 MAX 5 B-HSK 50 MAX 30 B-HSK 63 MAX 45 B-HSK 63 ETR 36-HSK 50 MAX 20 CN-HSK 50	<b>HSK 50/WT 8</b>	WT 0,5-8	L=78	∅36	 <p>Mandrin de perçage NC, jusqu'à 35 000 t.min<sup>-1</sup>, 30, 80, 90 Nm</p>		
	<b>HSK 50/WT 9</b>	WT 1-13	L=116	∅50			
	<b>HSK 63/WT 10</b>	WT 0,5-8	L=80	∅36			
	<b>HSK 63/WT 11</b>	WT 1-13	L=104	∅50			
	<b>HSK 63/WT 12</b>	WT 3-16	L=104	∅57			
MAX 20 F-HSK 50 MAX 25 FH-HSK 50 MAX 5 B-HSK 50 MAX 30 B-HSK 63 MAX 45 B-HSK 63 ETR 36-HSK 50 MAX 20 CN-HSK 50	<b>HSK 50/WE 2</b>	WE 2	L=72	∅36	 <p>Mandrin de taraudage à changement rapide, compression, extension</p>		
	<b>HSK 50/WE 3</b>	WE 3	L=110	∅53			
	<b>HSK 63/WE 2</b>	WE 2	L=72	∅36			
	<b>HSK 63/WE 3</b>	WE 3	L=110	∅53			
	<b>HSK 63/WE 4</b>	WE 4	L=141	∅78			
MAX 20 F-HSK 50 MAX 25 FH-HSK 50 MAX 5 B-HSK 50 MAX 30 B-HSK 63 MAX 45 B-HSK 63 ETR 36-HSK 50 MAX 20 CN-HSK 50	<b>HSK 50/MK 1</b>	CM 1	L=100	∅25	 <p>Douille cône-morse avec tenon DIN 228B</p>		
	<b>HSK 50/MK 2</b>	CM 2	L=120	∅32			
	<b>HSK 50/MK 3</b>	CM 3	L=140	∅40			
	<b>HSK 63/MK 1</b>	CM 1	L=100	∅25			
	<b>HSK 63/MK 2</b>	CM 2	L=120	∅32			
	<b>HSK 63/MK 3</b>	CM 3	L=140	∅40			
	<b>HSK 63/MK 4</b>	CM 4	L=160	∅48			