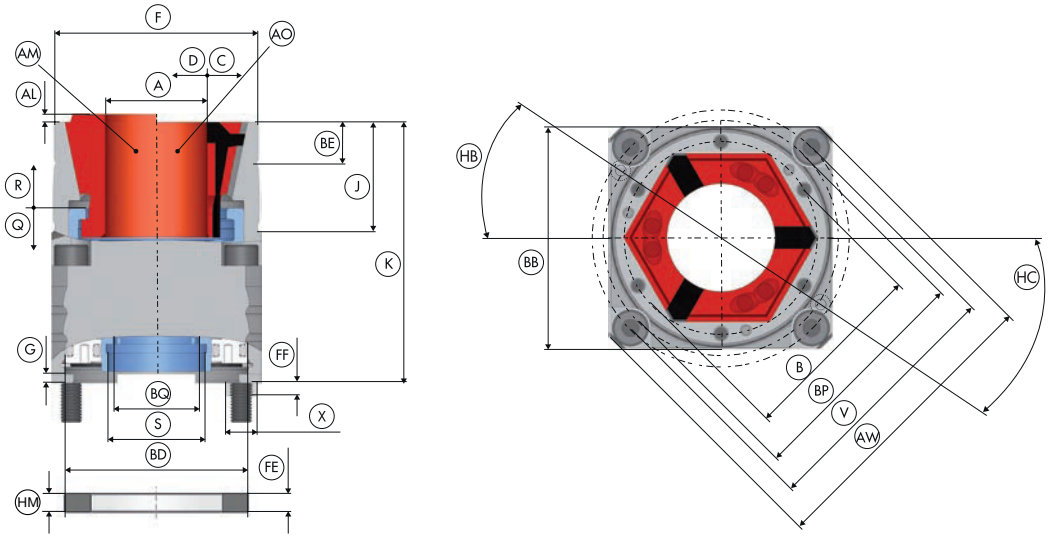
HYDROK SE size 40. Technical data



Product line		SE
Size		**40**
Clamping range [mm]	A	4 – 40
Repeatability [mm]		0,010
Max. axial drawtube force [kN]		27
Max. radial clamping force [kN]		75
Max. actuating pressure [bar]		110
Release stroke in Ø [mm]	C	0,5
Reserve stroke in Ø [mm]	D	0,8
Reserve stroke axial [mm]	Q	2
Release stroke axial [mm]	R	2
Location front end-stop	F	Ø 78 f7
Length flange location [mm]	BE	14
Bolt hole circle end-stop	B	LK Ø 69 [3 x M4]
Ø Capacity [mm]	BQ	33
Height [mm]	J	42,5
Overall height [mm]	K	100
Outer variant [mm]	BB	79,8
Connecting position [mm]	BP	82
Outer Ø [mm]	AW	106 h7
Bolt hole circle	V	LK Ø 92 [4 x M8]
Clamping via base plate [°]	HB	33
Release via base plate [°]	HC	33
Clamping head serrated	AM	TOP 40
Clamping head protrusion length serrated [mm]	AL	3
Clamping head smooth	AO	TOP 40 G
Centering height 1 [mm]	FE	7
Centering height 2 [mm]	FF	5
Interface	X	Ø 12 H7
Flange location	BD	Ø 70 H7/g7
Connecting thread inside	S	M38 x 1
Centering length [mm]	G	5
Installation depth [mm]	HM	5 +0,05
Weight [kg]		2,79
In stock		✔
Order no.		1121/0031

Through adaptation of the tandem cylinder to HYDROK 40 SE, the maximum clamping force of 75 kN can be achieved, even at 43 bar.

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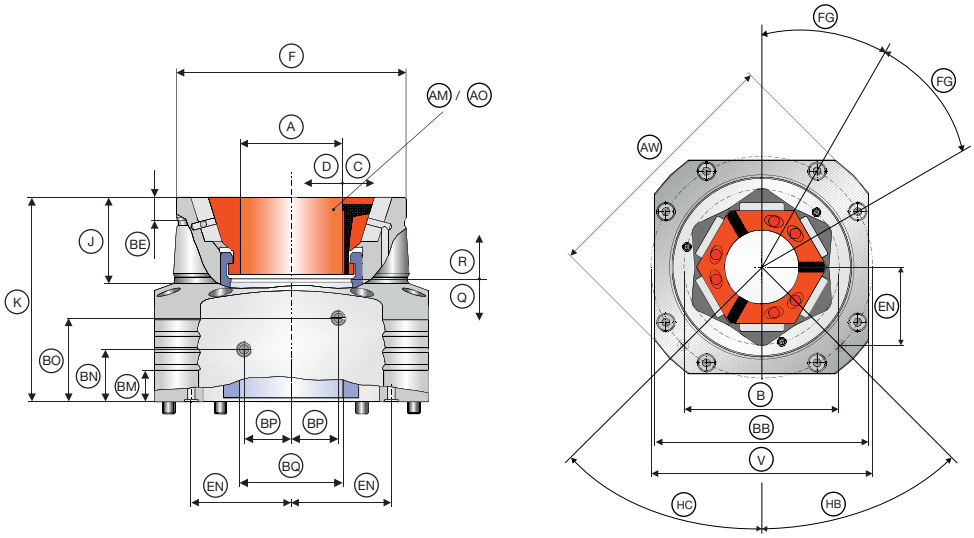
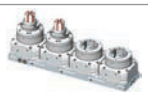
HYDROK SE size 52 - 100. Technical data

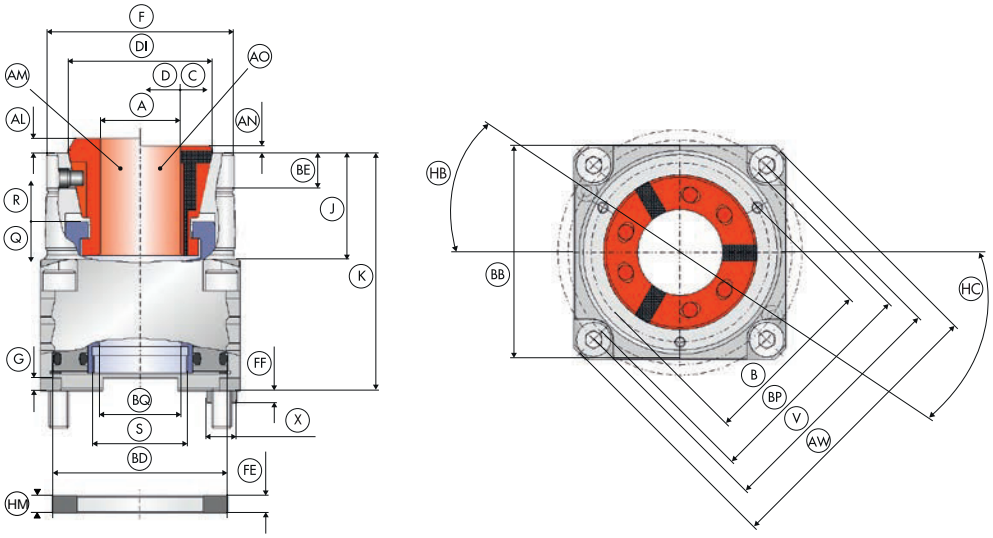


Product line		SE		
Size		**52**	**65**	**100**
Clamping range [mm]	A	4 – 52	4 – 65	15 – 100
Repeatability [mm]		0,010		
Max. axial drawtube force [kN]		35	45	65
Max. radial clamping force [kN]		91	120	172
Max. actuating pressure [bar]		40		
Release stroke in Ø [mm]	C	0,6		2
Reserve stroke in Ø [mm]	D	1		1,5
Reserve stroke axial [mm]	Q	2	2,15	3
Release stroke axial [mm]	R	2,5		5
Location front end-stop	F	Ø 125 f7	Ø 146,5 f7	Ø 215 f7
Length flange location [mm]	BE	9,5	12,5	15,5
Bolt hole circle end-stop	B	LK Ø 107 [3 x M6]	LK Ø 126 [3 x M6]	LK Ø 180 [3 x M8]
Ø Capacity [mm]	BQ	53	66	108
Height [mm]	J	39,6	54	55
Overall height [mm]	K	120	130	140
Outer variant [mm]	BB	154	174	230
Release	BN	38,1 [1/8"]	33,00 [1/8"]	38,9 [1/8"]
Clamping	BO	57,2 [1/8"]	53,00 [1/8"]	63 [1/8"]
Connecting position [mm]	BP	25	30	
Fluid connection 1 [mm]	EN	55,5	63,6	84,9
Outer Ø [mm]	AW	175 f6	210 f6	270 f6
Bolt hole circle	V	LK Ø 157 [8 x M8]	LK Ø 180 [8 x M8]	LK Ø 240 [8 x M8]
Mounting seat fit length [mm]	BM	20		
Angle position [°]	FG	30		
Clamping via base plate [°]	HB	45		
Release via base plate [°]	HC	45		
Clamping head serrated	AM	TOP 52	TOP 65	TOP 100
Clamping head smooth	AO	TOP 52 G	TOP 65 G	TOP 100 G
Weight [kg]		12	14,5	26
In stock		✔	✔	✔
Order no.		1121/0030	1121/0002	1121/0008

Please note: At adaptation size 52 the jaw module cannot be used.
Size 100 in lightweight design [14 kg].

				
Clamping heads Page 360	Changing fixtures Page 419	Multiple clamping pallets Page 425	Adaptations I.D. clamping Page 268	Adaptations jaw clamping Page 314

HYDROK RD size 32. Technical data



Product line		RD
Size		**32**
Clamping range [mm]	A	4 – 32
Repeatability [mm]		0,010
Max. axial drawtube force [kN]		25
Max. radial clamping force [kN]		70
Max. actuating pressure [bar]		100
Release stroke in Ø [mm]	C	0,6
Reserve stroke in Ø [mm]	D	1
Reserve stroke axial [mm]	Q	2,5
Release stroke axial [mm]	R	3
Location front end-stop	F	Ø 75 f7
Length flange location [mm]	BE	15
Bolt hole circle end-stop	B	LK Ø 67 [3 x M4]
Ø Capacity [mm]	BQ	33
Height [mm]	J	42
Overall height [mm]	K	95
Outer variant [mm]	BB	79,8
Connecting position [mm]	BP	82
Outer Ø [mm]	AW	106 h7
Bolt hole circle	V	LK Ø 92 [4 x M8]
Clamping via base plate [°]	HB	33
Release via base plate [°]	HC	33
Head Ø [mm]	DI	58
Clamping head serrated	AM	SK 32 BZI
Clamping head protrusion length serrated [mm]	AL	6
Clamping head smooth	AO	SK 32 BZIG
Clamping head protrusion length smooth [mm]	AN	3
Centering height 1 [mm]	FE	7
Centering height 2 [mm]	FF	5
Interface	X	Ø 12 H7
Flange location	BD	Ø 70 H7/g7
Connecting thread inside	S	M38 x 1
Centering length [mm]	G	5
Installation depth [mm]	HM	5 +0,05
Weight [kg]		2,69
In stock		✔
Order no.		1121/0029

By adapting the tandem cylinder on the HYDROK 32 the maximum clamping force of 70 kN can be reached already at 50 bar.

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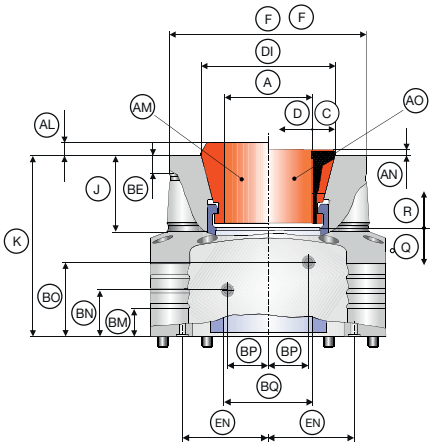
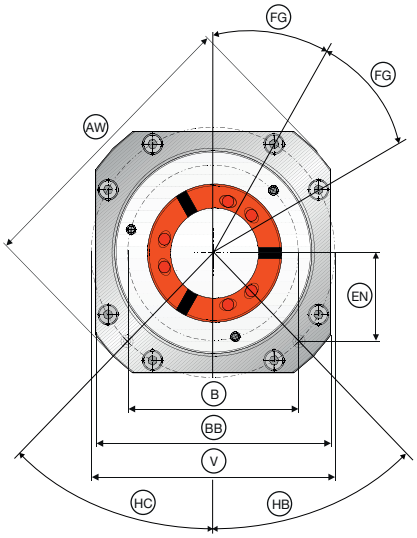
Hydraulic stationary chuck HYDROK

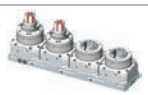
HYDROK RD size 42 - 100. Technical data



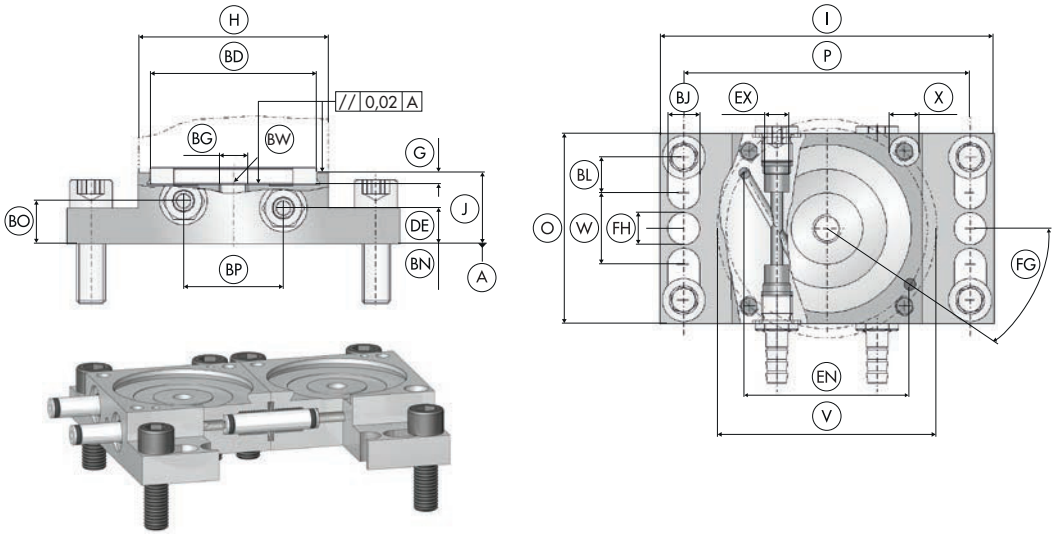


Product line		RD				
Size		**42**	**52**	**65**	**80**	**100**
Clamping range [mm]	A	4 – 42	4 – 52	4 – 65	5 – 80	15 – 100
Repeatability [mm]		0,010				
Max. axial drawtube force [kN]		35		45	50	65
Max. radial clamping force [kN]		80		105	115	150
Max. actuating pressure [bar]		40				
Release stroke in Ø [mm]	C	0,6				2,0
Reserve stroke in Ø [mm]	D	1				1,5
Reserve stroke axial [mm]	Q	2				3
Release stroke axial [mm]	R	2,5				5
Location front end-stop	F	Ø 125 f7		Ø 146 f7	Ø 160 f7	Ø 215 f7
Length flange location [mm]	BE	7,4		12,5	17,5	15,5
Bolt hole circle end-stop	B	LK Ø 107 [3 x M6]		LK Ø 126 [3 x M6]	LK Ø 139 [3 x M6]	LK Ø 180 [3 x M8]
Ø Capacity [mm]	BQ	47	53	66	81	108
Height [mm]	J	39		54		
Overall height [mm]	K	120		130		140
Outer variant [mm]	BB	154		174	186	229
Release	BN	38,1 [1/8"]		33 [1/8"]		38,9 [1/8"]
Clamping	BO	57,2 [1/8"]		53 [1/8"]	53,5 [1/8"]	63 [1/8"]
Connecting position [mm]	BP	25		30		
Fluid connection 1 [mm]	EN	55,5		63,6	68,6	84,85
Outer Ø [mm]	AW	175 f6		210 f6	215 f6	270 f6
Bolt hole circle	V	LK Ø 157 [8 x M8]		LK Ø 180 [8 x M8]	LK Ø 194 [8 x M8]	LK Ø 240 [8 x M8]
Mounting seat fit length [mm]	BM	20				
Angle position [°]	FG	30				
Clamping via base plate [°]	HB	45				
Release via base plate [°]	HC	45				
Head Ø [mm]	DI	80		99,5	115	144,5
Clamping head serrated	AM	SK 42 BZI	SK 52 BZI	SK 65 BZI	SK 80 BZI	SK 100 BZ
Clamping head protrusion length serrated [mm]	AL	9	4	9	4	
Clamping head smooth	AO	SK 42 BZIG	SK 52 BZIG	SK 65 BZIG	SK 80 BZIG	SK 100 BZG
Clamping head protrusion length smooth [mm]	AN	4				
Weight [kg]		12		15	17,5	29
In stock		✔	✔	✔	✔	✔
Order no.		1121/0003	1121/0004	1121/0001	1121/0005	1121/0006

Please note: At adaptation size 42 and 52 the jaw module cannot be used.
Size 100 in lightweight design [14 kg].

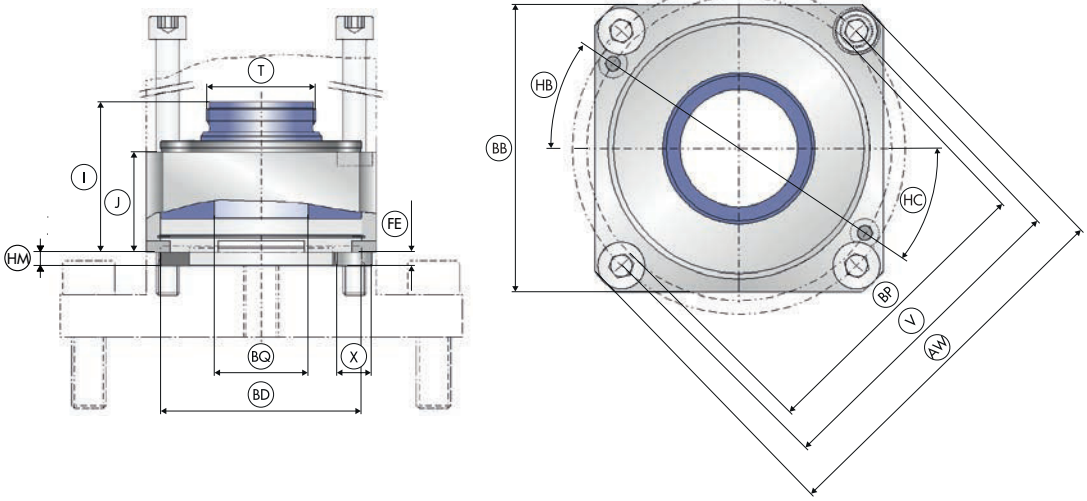
				
Clamping heads Page 368	Changing fixtures Page 419	Multiple clamping pallets Page 425	Adaptations I.D. clamping Page 268	Adaptations jaw clamping Page 314

Base plate for HYDROK size 40 SE / 32 RD. Technical data



Product line		SE	RD
Size		**40**	**32**
Bolt hole circle	V	LK Ø 92 [4 x M8]	
Interface	X	Ø 12 H7	
Release	BN	15 [1/4"]	
Clamping	BO	18 [1/4"]	
Clamping edge height [mm]	DE	15	
Length [mm]	H	80	
Total length [mm]	I	140	
Height [mm]	J	30	
Width [mm]	O	79,8	
Flange location	BD	Ø 70 H7	
End-stop thread size [M]	BG	12	
Connecting position [mm]	BP	42	
Centering length [mm]	G	5	
Max. permissible turning Ø	BW	28	
Grooves [mm]	BL	15 [4 x]	
Bolt hole distance [mm]	W	30	
Fitting bore	EX	10 H11	
Groove width [mm]	BJ	13,5	
Screw connection width [mm]	P	120	
Fluid connection 1 [mm]	EN	69,5	
Angle position [°]	FG	33	
Bore-Ø	FH	13,5	
In stock		✔	
Order no.		1205/0006	

Tandem cylinder for HYDROK size 40 SE / 32 RD. Technical data



Product line		SE	RD
Size		**40**	**32**
Max. axial drawtube force [kN]		13,5	
Max. actuating pressure [bar]		55	
Outer Ø [mm]	AW	106 g6	
Bolt hole circle	V	LK Ø 92 [4 x M8]	
Interface	X	Ø 12 H7	
Height [mm]	J	35	
Ø Capacity [mm]	BQ	32,5	
Flange location	BD	Ø 70 H7/g7	
Centering height 1 [mm]	FE	5	
Outer variant [mm]	BB	79,8	
Connecting position [mm]	BP	82	
Clamping via base plate [°]	HB	33	
Release via base plate [°]	HC	33	
Installation depth [mm]	HM	5 +0,005	
Total length [mm]	I	50,5	
Connecting thread outside	T	M38 x 1	
In stock		✔	
Order no.		10510/0001	

With adaptation of the tandem cylinder to HYDROK size 40 SE, the maximum clamping force of 70 kN can be achieved, even at 43 bar.
With adaptation of the tandem cylinder to HYDROK size 32 RD, the maximum clamping force of 70 kN can be achieved, even at 50 bar.