



# Handwheel with rotating handle

Black phenolic plastic

VPRA<sub>M</sub>

- Handwheel with handle for manual use
- Pre-bored
- Working temperature: -20°C to +140°C
- Materials:
  - Wheel: thermosetting plastic
  - Hub: galvanised steel or stainless steel
  - Handle: thermosetting plastic
  - Axle: galvanised steel



## Options

- Different bore diameters
- Keyway
- See modification info

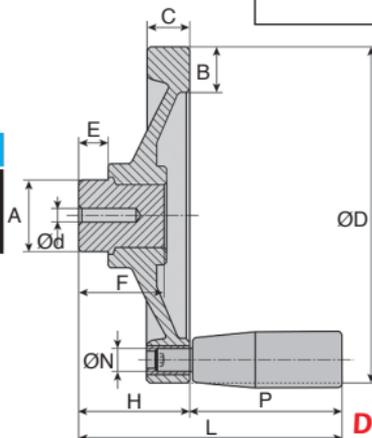
## Application

- All types of machines

## Modifiable bore



Price (tome 1 p.108)



## DISCOUNTS

Qty	1+	6+	20+
Disc.	List	-5%	On request

Part number	ØD	H	L	C	B	ØA	Ød	E	F	P	ØN	Stock*	Price each 1 to 5
<b>Steel</b>													
VPRA50-M	50	23	50	11	10	16	4	9	20	13x27	M6	✓	16,75 €
VPRA65-M	65	28	55	13	13	20	4	10	24	13x27	M6	✓	19,55 €
VPRA80-M	80	31	71	14	15	20	4	10	27	17x40	M6	✓	21,39 €
VPRA100-M	100	35	85	14	16	24	4	11	29	21x50	M8	✓	26,50 €
VPRA125-M	125	44	99	16	18	32	6	13	35	23x55	M8	✓	33,73 €
VPRA150-M	150	48	113	18	20	32	6	13	37	25x65	M10	✓	41,63 €
VPRA200-M	200	58	143	21	24	40	6	16	44	28x85	M10	✓	65,84 €
VPRA250-M	250	66	151	22	30	48	6	17	49	28x85	M10	-	93,06 €
VPRA300-M	300	76	161	24	35	58	6	18	55	28x85	M10	-	144,26 €
<b>Stainless steel</b>													
VPRA100-M/SS	100	35	85	14	16	24	4	11	29	21x50	M8	-	46,70 €
VPRA150-M/SS	150	48	113	18	20	32	6	13	37	25x65	M10	-	62,14 €
VPRA200-M/SS	200	58	143	21	24	40	6	16	44	28x85	M10	-	90,81 €

\* Depending on availability - Dimensions in mm

# Solid handwheel with revolving handle



## SHA<sub>PT</sub> Thermoplastic glass fiber reinforced

- Manual operating element

- Materials:

Wheel: glass fibre reinforced polyamide

Hub: galvanised steel

### Options

- Different bore diameters

- Keyways

- See modification

### Application

- All types of machines

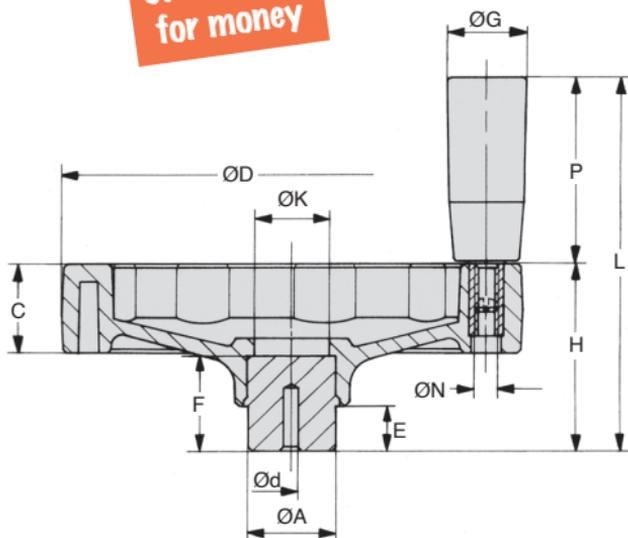


Great value  
for money

### Bore modifications



Price (tome 1 p.110)



### DISCOUNTS

Qty	1+	6+	20+
Disc.	List	-5%	On request

Part number	Ød		H	C	ØA	E	F	ØK	L	ØG	P	ØN	Stock	Price each
	Pre-bore	ØD												1 to 5
SHA-100-PT	4	100	46	20	24	12	24	18	96	21	50	M6	✓	21,54 €
SHA-125-PT	6	125	51	24	24	12	28	20	101	21	50	M6	✓	26,04 €
SHA-160-PT	6	160	61	28	32	15	31	30	131	23	70	M8	✓	33,84 €
SHA-200-PT	6	200	74	32	40	15	40	35	164	26	90	M10	✓	48,62 €

\*Subject to availability - Dimensions in mm



# Solid handwheel with folding handle

## Thermoplastic glass fiber reinforced SHA<sub>PTR</sub>

- Manual operating element
- Materials:
  - Wheel: glass fibre reinforced polyamide
  - Hub: galvanised steel

### Info.

- Revolving handle folds away for safety

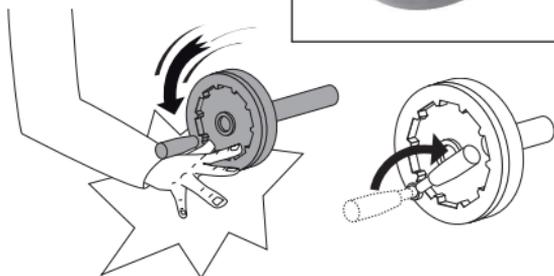
### Options

- Different bore diameters
- Keyways
- See modification

### Application

- All types of machines

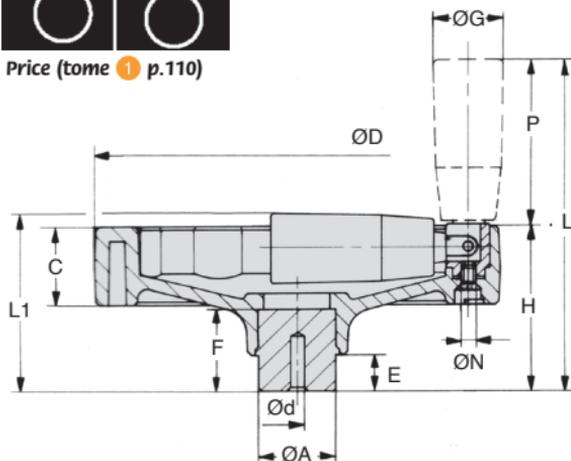
Great value for money



### Bore modifications



Price (tome 1 p.110)



### DISCOUNTS

Qty	1+	6+	20+
Disc.	List	-5%	On request

Part number	Ød		H	C	ØA	E	F	L	L1	ØG	P	ØN	Price each	
	Pre-bore	ØD											Stock*	1 to 5
SHA-100-PTR	4	100	46	20	24	12	24	98	50	21	52	M4	✓	50,78 €
SHA-125-PTR	6	125	51	24	24	12	28	103	54	21	52	M4	✓	56,39 €
SHA-160-PTR	6	160	61	28	32	15	31	133	65	23	72	M5	✓	63,97 €
SHA-200-PTR	6	200	74	32	40	15	40	166	79	26	92	M6	✓	80,19 €

\*Subject to availability - Dimensions in mm

# Solid handwheel **without handle**

## SHA Thermoplastic glass fiber reinforced

- **Manual operating element**
- **Materials:**  
Wheel: glass fibre reinforced polyamide  
Hub: galvanised steel

**Great value for money**



### Options

- Different bore diameters
- Keyways
- See modification info

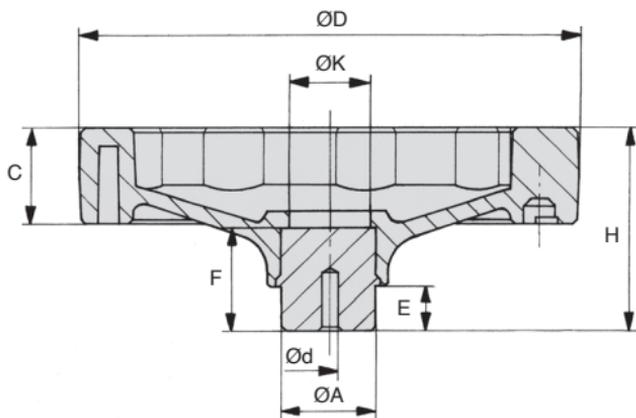
### Application

- All types of machines

### Bore modifications



Price (tome **1** p.110)



### DISCOUNTS

Qty	1+	6+	20+
Disc.	List	-5%	On request

Part number	Ød		ØD	H	C	ØA	E	F	ØK	Stock*	Price each 1 to 5
	Pre-bore										
SHA-100	4		100	46	20	24	12	24	18	✓	14,49 €
SHA-125	6		125	51	24	24	12	28	20	-	17,02 €
SHA-160	6		160	61	28	32	15	31	30	-	25,19 €
SHA-200	6		200	74	32	40	15	40	35	✓	38,17 €

\*Subject to availability - Dimensions in mm



# 3 spoked handwheel without handle

## Thermoplastic glass fiber reinforced V3RA

- Manual operating element
- Materials:
  - Wheel: glass fibre reinforced polyamide
  - Hub: galvanised steel

### Options

- Different bore diameters
- Keyways
- See modification info

### Application

- All types of machines

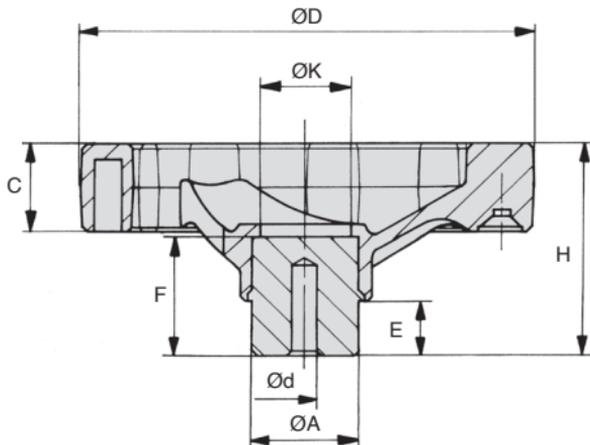


New Ø300  
Ø375

### Bore modifications



Price (tome 1 p.110)



### DISCOUNTS

Qty	1+	6+	20+
Disc.	List	-5%	On request

Part number	Ød pre-bore	ØD	H	C	ØA	E	F	ØK	Stock*	Price each 1 to 5
V3RA-100	4	100	46	20	24	12	24	18	✓	11,65 €
V3RA-125	6	125	51	24	24	12	28	20	✓	14,69 €
V3RA-160	6	160	61	28	32	15	31	30	✓	20,76 €
V3RA-200	6	200	74	32	40	15	40	35	✓	31,30 €
V3RA-250	6	250	83	34	48	17	49	35	-	47,77 €
V3RA-300	6	300	93	36	58	18	53	48	New-	77,73 €
V3RA-375	6	375	104	38	58	18	53	48	New-	115,32 €

\*Subject to availability - Dimensions in mm

# 3 spoked handwheel with revolving handle

## V3RA<sub>PT</sub> Thermoplastic glass fiber reinforced

- **Manual operating element**
- Freely revolving handle for manual operation
- **Materials:**  
Wheel: glass fibre reinforced polyamide  
Hub: galvanised steel

### Options

- Different bore diameters
- Keyways
- See modification info

### Application

- All types of machines

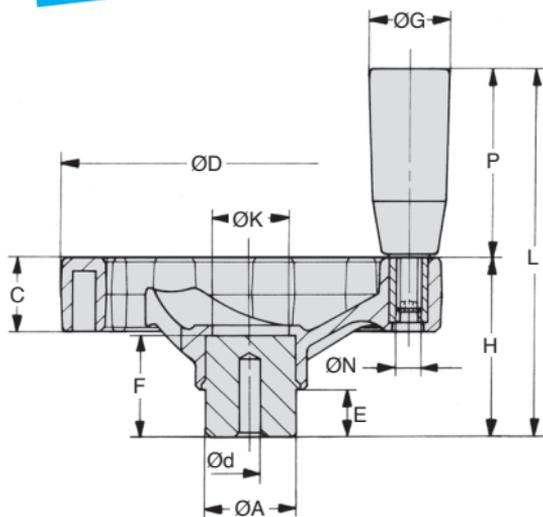
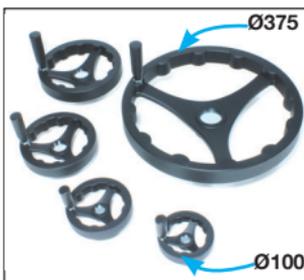


**New Ø300  
Ø375**

### Bore modifications



Price (tome 1 p.110)



### DISCOUNTS

<b>Qty</b>	1+	6+	20+
<b>Disc.</b>	List	-5%	On request

Part number	Ød pre-bore	ØD	H	C	ØA	E	F	ØK	L	ØG	P	ØN	Stock*	Price each 1 to 5
V3RA-100-PT	4	100	46	20	24	12	24	18	96	21	50	M6	✓	19,32 €
V3RA-125-PT	6	125	51	24	24	12	28	20	101	21	50	M6	✓	22,36 €
V3RA-160-PT	6	160	61	28	32	15	31	30	131	23	70	M8	✓	28,81 €
V3RA-200-PT	6	200	74	32	40	15	40	35	164	26	90	M10	✓	40,00 €
V3RA-250-PT	6	250	83	34	48	17	49	35	173	26	90	M10	-	56,80 €
V3RA-300-PT	6	300	93	36	58	18	53	48	183	26	90	M10	New-	90,25 €
V3RA-375-PT	6	375	104	38	58	18	53	48	194	26	90	M10	New-	132,87 €

\*Subject to availability - Dimensions in mm



# 3 spoked handwheel with folding handle

## Thermoplastic glass fiber reinforced V3RA<sub>PTR</sub>

- **Manual operating element**
- Freely revolving handle for manual operation
- **Materials:**  
Wheel: glass fibre reinforced polyamide  
Hub: galvanised steel

### Info.

- Revolving handle folds away for safety

### Options

- Different bore diameters
- Keyways
- See modification info

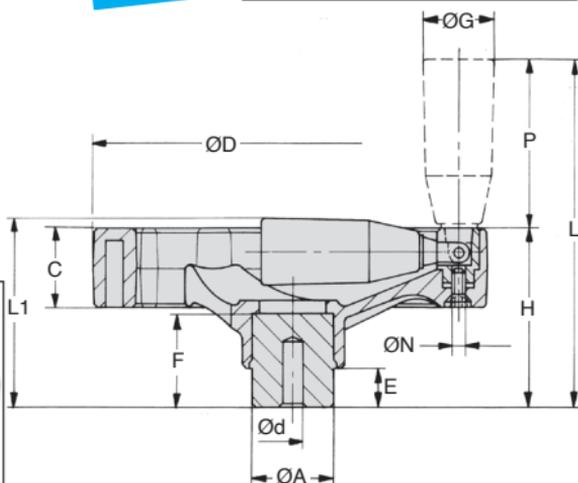
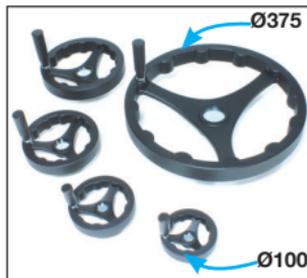
### Application

- All types of machines

### Bore modifications



Price (tome 1 p.110)



### DISCOUNTS

Qty	1+	6+	20+
Disc.	List	-5%	On request

Part number	Ød		H	C	ØA	E	F	L	L1	ØG	P	ØN	Stock*	Price each 1 to 5
	pre-bore	ØD												
V3RA-100-PTR	4	100	46	20	24	12	24	100	50	21	52	M4	✓	45,71 €
V3RA-125-PTR	6	125	51	24	24	12	28	105	54	21	52	M4	✓	50,49 €
V3RA-160-PTR	6	160	61	28	32	15	31	135	65	23	74	M5	✓	57,36 €
V3RA-200-PTR	6	200	74	32	40	15	40	168	79	26	94	M6	✓	68,63 €
V3RA-250-PTR	6	250	83	34	48	17	49	173	89	26	94	M6	-	82,64 €
V3RA-300-PTR	6	300	93	36	58	18	53	184	100	26	94	M6	New	117,01 €
V3RA-375-PTR	6	375	104	38	58	18	53	195	110	26	94	M6	New	148,05 €

\*Subject to availability - Dimensions in mm

# MODIFIED

## HANDWHEELS PLEASE FILL IN THE DETAILS

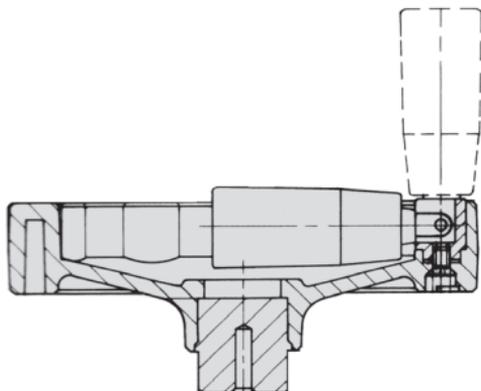
Please complete this form and return it to us!

Email address: [cial2@hpceurope.com](mailto:cial2@hpceurope.com)

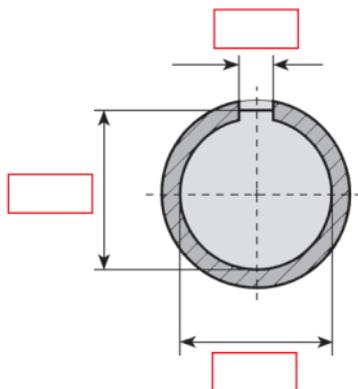
Tel: +33(0)4 37 496 496

### Wheel diameter

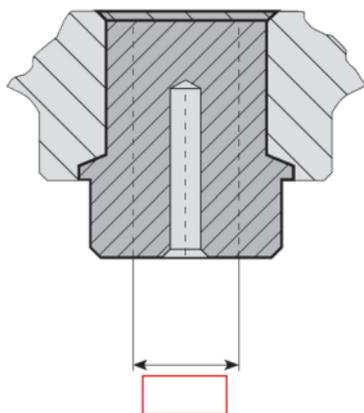
Ø50		Ø200	
Ø65		Ø250	
Ø80		Ø300	
Ø100		Ø375	
Ø125			
Ø150			



### Keyway

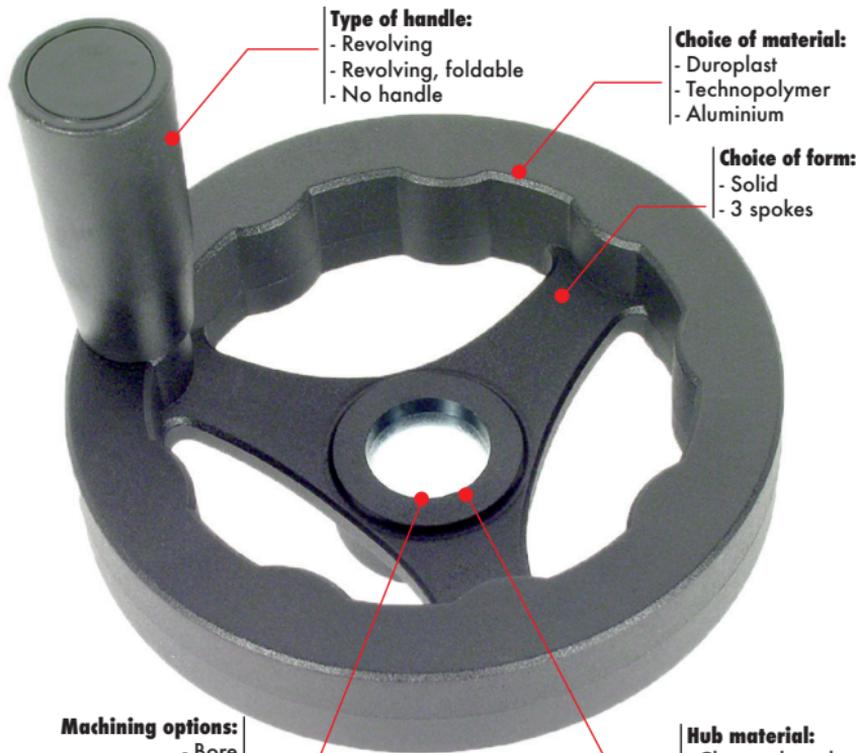


### Bore modifications



# MODIFIED

## HANDWHEELS



EXAMPLES OF HAND  
WHEELS ALREADY  
SUPPLIED



# Handwheels and cranks

## MH VPRA

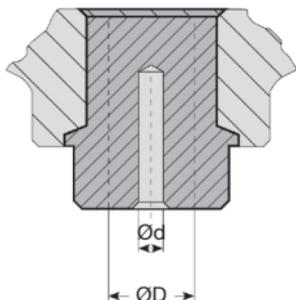
## Bore modifications

### Info.

Bore modifications valid for VPRA series handwheels and MH cranks.

### Order example:

**VPRA-100-M-14:** Handwheel with rotating handle, ext. diam. 100mm, bore diam. 14mm



### DISCOUNTS MH

Qty	1+	10+	20+
Disc.	List	-5%	On request

### DISCOUNTS VPRA

Qty	1+	6+	20+
Disc.	List	-5%	On request

Part number	Ød Pre-bore	ØD Max. bore	ØD Possible	Price each
<b>Crank</b>				
MH65	4	14	6-8-9-10-12-14	27,73 €
MH80	4	16	6-8-9-10-12-14	30,41 €
			15-16	31,84 €
MH100	4	18	6-8-9-10-12-14	33,23 €
			15-16-18	34,66 €
MH130	6	20	8-9-10-12-13-14	43,36 F
			15-16-18-20	44,79 €
MH160	6	25	10-12-13-14	52,85 €
			15-16-18-20	54,27 €
			22-24-25	64,53 €
<b>Handwheel</b>				
VPRA50	4	10	6-8-9-10	22,19 €
VPRA65	4	10	6-8-9-10	25,00 €
VPRA80	4	10	6-8-9-10	26,84 €
VPRA100	4	15	8-9-10-12-13-14	31,95 €
			15	32,90 €
VPRA125	6	18	8-9-10-12-14	39,18 €
			15-16-18	40,13 €
VPRA150	6	20	8-9-10-12-14	47,08 €
			15-16-18-19-20	48,03 €
VPRA200	6	26	15-16-18-19-20	72,24 €
			22-24-25	79,00 €
VPRA250	6	30	26	82,86 €
			15-16-18-19-20	99,45 €
VPRA300	6	46	22-24-25	106,22 €
			26-28-30	110,09 €
			22-25	157,42 €
			26-28-30	161,28 €

Dimensions in mm

# Handwheels dans cranks

## Bore modification and keyways

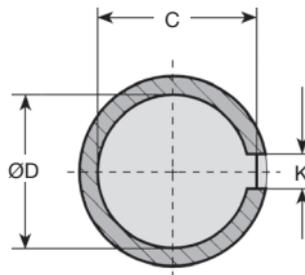
MH  
VPRA

### Info.

Bore modifications valid for VPRA series handwheels and MH cranks.

### Order example:

**VPRA-100-M-14K** : Handwheel with rotating handle, ext. diam. 100mm, bore diam. 14mm, normal keyway 5mm.



### DISCOUNTS MH

Qty	1+	10+	20+
Disc.	List	-5%	On request

### DISCOUNTS VPRA

Qty	1+	6+	20+
Disc.	List	-5%	On request

Part number	Ød Pre-bore	ØD Max. bore	Maxi. K	Maxi. C 0/+0,1	ØD Possible	Price each
<b>Crank</b>						
MH65	4	12	4	13,8	6-8-9-10-12	57,72 €
MH80	4	12	4	13,8	6-8-9-10-12	60,39 €
MH100	4	14	5	16,3	6-8-9-10-12-14	63,21 €
MH130	6	18	6	20,8	8-9-10-12-13-14 15-16-18	73,34 € 78,10 €
MH160	6	20	6	22,8	10-12-13-14 15-16-18-20	82,83 € 87,59 €
<b>Handwheel</b>						
VPRA50	4	6	2	8	6	42,00 €
VPRA65	4	8	2	9	6-8	44,80 €
VPRA80	4	8	2	9	6-8	46,64 €
VPRA100	4	12	4	13,8	8-9-10-12	55,90 €
VPRA125	6	14	5	16,8	8-9-10-12-14	61,19 €
VPRA150	6	18	6	20,8	8-9-10-12-14-15-16 15-16-18	69,08 € 70,03 €
VPRA200	6	20	6	22,8	15-16-18-19-20 15-16-18-19-20	94,24 € 121,46 €
VPRA250	6	26	8	29,3	22-24-25 26	128,23 € 132,09 €
VPRA300	6	42	12	45,7	20-22-25 26-28-30 32-35-40-42	183,82 € 187,69 € On request

Dimensions in mm

# Hand wheels

## V3RA SHA

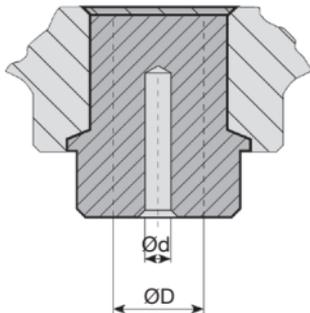
### Modification to bores

#### Info.

It is possible to modify the bores of the V3RA and SHA series to suit your requirements. This is possible for versions without a handle, with a revolving handle and with a folding revolving handle.

#### Ordering example

**V3RA-125-PT-16:** A 3 spoke hand wheel with revolving handle, external diameter 125mm and 16mm bore diameter



#### DISCOUNTS

Qty	1+	6+	20+
Disc.	List	-5%	On request

Part number	Ød Pre-bore	ØD Max. bore	Bore	Price each 1 to 5
V3RA-100	4	18	8-9-10-11-12-13-14	20,30 €
			15-16-17-18	21,42 €
V3RA-125	6	18	8-9-10-11-12-13-14	22,53 €
			15-16-17-18	23,69 €
V3RA-160	6	24	8-9-10-11-12-13-14	28,61 €
			15-16-17-18-19-20	29,74 €
			21-22-23-24	39,26 €
V3RA-200	6	32	8-9-10-11-12-13-14	39,21 €
			15-16-17-18-19-20	40,36 €
			21-22-23-24-25	49,83 €
			26-27-28-29-30	55,22 €
V3RA-250	6	36	15-16-17-18-19-20	New 52,76 €
			21-22-23-24-25	New 59,52 €
			26-27-28-29-30-32	New 63,38 €
V3RA-300	6	36	15-16-17-18-19-20	New 84,10 €
			21-22-23-24-25	New 90,87 €
			26-27-28-29-30-32	New 94,72 €
V3RA-375	6	36	15-16-17-18-19-20	New 121,69 €
			21-22-23-24-25	New 128,45 €
			26-27-28-29-30-32	New 132,31 €
SHA-100	4	18	8-9-10-11-12-13-14	22,36 €
			15-16-17-18	23,50 €
SHA-125	6	18	8-9-10-11-12-13-14	24,89 €
			15-16-17-18	26,02 €
SHA-160	6	24	8-9-10-11-12-13-14	33,08 €
			15-16-17-18-19-20	34,19 €
			21-22-23-24	43,71 €
SHA-200	6	32	8-9-10-11-12-13-14	46,06 €
			15-16-17-18-19-20	47,20 €
			21-22-23-24-25	56,69 €
			26-27-28-29-30	62,10 €

Dimensions in mm

## Modification to bores

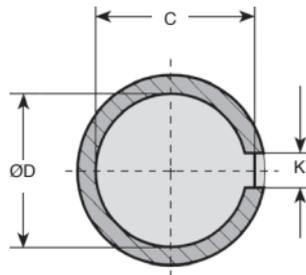
# V3RA SHA

### Info.

It is possible to modify the bores and keyways of the V3RA and SHA series to suit your requirements. This is possible for versions without a handle, with a revolving handle and with a folding revolving handle

### Ordering example

**V3RA-125-PT-14K:** A 3 spoke hand wheel with revolving handle, external diameter 125mm, 14mm bore diameter and 5mm standardised keyway



### DISCOUNTS

Qty	1+	6+	20+
Disc.	List	-5%	On request

Part number	Ød Pre-bore	ØD Max. bore	K max.	C 0/+0,1 max.	Bore	Price each 1 to 5
V3RA-100	4	14	5	16,3	8-9-10-11-12-13-14	51,16 €
V3RA-125	6	14	5	16,3	8-9-10-11-12-13-14	53,41 €
V3RA-160	6	20	6	22,8	8-9-10-11-12-13-14 15-16-17-18-19-20	59,43 € 60,60 €
V3RA-200	6	28	8	31,3	8-9-10-11-12-13-14 15-16-17-18-19-20 21-22-23-24-25 26-27-28	70,06 € 71,18 € 80,69 € 86,12 €
V3RA-250	6	32	10	35,3	15-16-17-18-19-20 21-22-23-24-25 26-27-28-29-30-32	New 74,72 € New 81,48 € New 85,33 €
V3RA-300	6	32	10	35,3	15-16-17-18-19-20 21-22-23-24-25 26-27-28-29-30-32	New 106,06 € New 112,83 € New 116,68 €
V3RA-375	6	32	10	35,3	15-16-17-18-19-20 21-22-23-24-25 26-27-28-29-30-32	New 143,65 € New 150,41 € New 154,27 €
SHA-100	4	14	5	16,3	8-9-10-11-12-13-14	53,24 €
SHA-125	6	14	5	16,3	8-9-10-11-12-13-14	55,74 €
SHA-160	6	20	6	22,8	8-9-10-11-12-13-14 15-16-17-18-19-20	63,90 € 34,19 €
SHA-200	6	28	8	31,3	8-9-10-11-12-13-14 15-16-17-18-19-20 21-22-23-24-25 26-27-28	76,91 € 78,04 € 87,59 € 93,01 €

Dimensions in mm

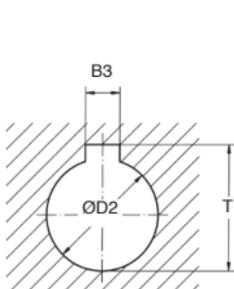
- Hand wheel
- Material: aluminium
- Finish: edges machined and polished
- Keyway conforms to DIN6885-1

### Advantages

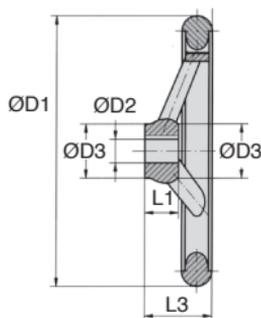
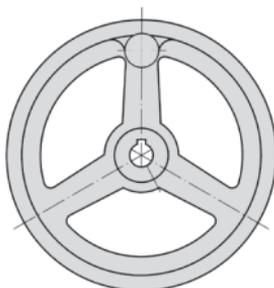
- Light

### Options

- A version with a revolving handle exists, see HLU<sup>T</sup> (tome 1 p.113)



Keyway



### DISCOUNTS

Qty	1+	6+	15+	20+
Disc.	List	-5%	-10%	On request

Part number with keyway	Part number without keyway	ØD1	ØD2 (H7)	ØD3	L1	L3	B3 (P9)	T	Stock* with keyway	Stock* without keyway	Price each 1 to 5 with keyway	Price each 1 to 5 without keyway
<b>With 3 spokes</b>												
HLU80-10K	HLU80-10	80	10	24	16	29	3	11,4	-	-	22,36 €	19,09 €
HLU100-10K	HLU100-10	100	10	26	17	33	3	11,4	✓	-	24,52 €	20,85 €
HLU125-12K	HLU125-12	125	12	28	18	36	4	13,8	✓	✓	30,08 €	26,18 €
HLU140-14K	HLU140-14	140	14	30	19	39	5	16,3	✓	-	35,25 €	31,25 €
HLU160-14K	HLU160-14	160	14	32	20	40	5	16,3	-	-	41,26 €	37,05 €
HLU180-16K	HLU180-16	180	16	35	22	43	5	18,3	-	-	49,00 €	44,74 €
HLU200-18K	HLU200-18	200	18	38	24	45	6	20,8	✓	-	59,93 €	55,37 €
<b>With 5 spokes</b>												
HLU250-22K	HLU250-22	250	22	45	28	50	6	24,8	-	✓	96,87 €	90,90 €
HLU315-26K	HLU315-26	315	26	53	33	56	8	29,3	-	-	151,63 €	145,82 €
HLU400-30K	HLU400-30	400	30	65	38	63	8	33,3	-	-	277,93 €	269,17 €
HLU500-34K	HLU500-34	500	34	78	45	72	10	37,3	-	-	464,60 €	453,77 €

\*Subject to availability - Dimensions in mm



# Handwheel with revolving handle

Aluminium

HLUT

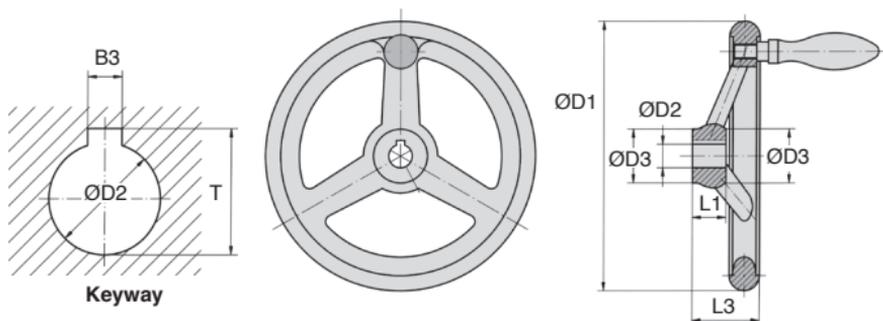
- Hand wheel with revolving handle
- Materials:
  - Wheel: aluminium
  - Handle: aluminium with steel axle
- Finish: edges machined and polished
- Keyway conforms to DIN6885-1

## Advantages

- Light

## Options

- Handwheel without handle HLU (tome 1 p.112)



## DISCOUNTS

Qty	1+	6+	15+	20+
Disc.	List	-5%	-10%	On request

Part number	With keyway	Without keyway	Revolving handle	ØD2	ØD1 (H7)	B3	ØD3	L1	L3 (P9)	T	Stock*	Stock*	Price each 1 to 5		
											With keyway	Without keyway	With keyway	Without keyway	
<b>With 3 spokes</b>															
HLUT80-10K	HLUT80-10			Ø16xM6x54,5	80	10	24	16	29	3	11,4	✓	-	46,34 €	42,86 €
HLUT100-10K	HLUT100-10			Ø16xM6x54,5	100	10	26	17	33	3	11,4	✓	-	49,38 €	44,52 €
HLUT125-12K	HLUT125-12			Ø20xM8x67,0	125	12	28	18	36	4	13,8	✓	-	59,49 €	54,14 €
HLUT140-14K	HLUT140-14			Ø20xM8x67,0	140	14	30	19	39	5	16,3	✓	-	66,37 €	60,73 €
HLUT160-14K	HLUT160-14			Ø25xM10x83,0	160	14	32	20	40	5	16,3	✓	✓	77,73 €	73,74 €
HLUT180-16K	HLUT180-16			Ø25xM10x83,0	180	16	35	22	43	5	18,3	✓	-	89,70 €	85,56 €
HLUT200-18K	HLUT200-18			Ø25xM10x83,0	200	18	38	24	45	6	20,8	✓	✓	100,66 €	95,68 €
<b>With 5 spokes</b>															
HLUT250-22K	HLUT250-22			Ø32xM12x105,5	250	22	45	28	50	6	24,8	-	✓	151,02 €	145,42 €
HLUT315-26K	HLUT315-26			Ø32xM12x105,5	315	26	53	33	56	8	29,3	-	-	206,16 €	200,33 €
HLUT400-30K	HLUT400-30			Ø36xM16x117,0	400	30	65	38	63	8	33,3	-	-	340,86 €	334,28 €
HLUT500-34K	HLUT500-34			Ø36xM16x117,0	500	34	78	45	72	10	37,3	-	-	531,93 €	518,91 €

\*Subject to availability - Dimensions in mm

# Spoked handwheel



## HLUss

## 316 stainless steel

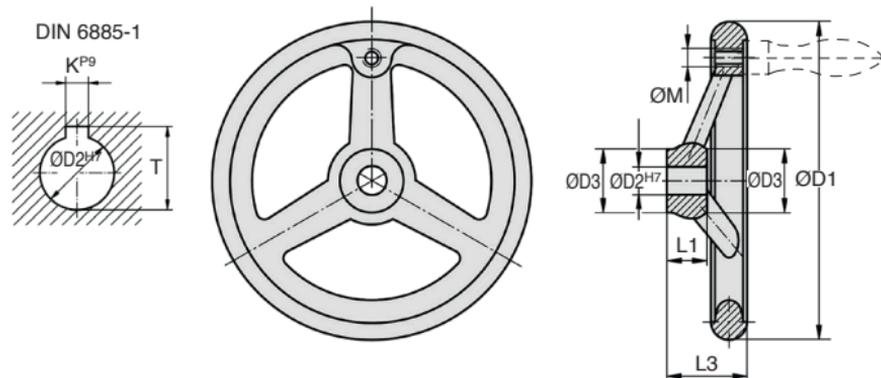
- Handwheel (only)
- Conforms to DIN950
- Versions with and without DIN6885-1 keyways
- Material:  
Stainless steel 1.4401 (316)  
Finish: turned and polished

### 316 stainless steel



### Accessory

- HLUss rotating handle (tome 1 p.115)



### DISCOUNTS

Qty	1+	3+	5+	10+
Disc.	List	-5%	-10%	On request

Part number	ØD1	ØD2	ØD3	L1	L3	M	K	T	N° of spokes	Price each 1 to 2
<b>No keyway</b>										
HLU100-10/SS	100	10	26	17	33	M6	-	-	3	65,57 €
HLU125-12/SS	125	12	28	18	36	M8	-	-	3	94,02 €
HLU160-16/SS	160	16	32	20	40	M10	-	-	3	138,63 €
HLU200-18/SS	200	18	38	24	45	M10	-	-	3	243,37 €
<b>With keyway</b>										
HLU100-10K/SS	100	10	26	17	33	M6	3	11,4	3	68,85 €
HLU125-12K/SS	125	12	28	18	36	M8	4	13,8	3	97,34 €
HLU160-16K/SS	160	16	32	20	40	M10	5	18,3	3	141,92 €
HLU200-18K/SS	200	18	38	24	45	M10	6	20,8	3	248,25 €

All dimensions in mm

316 stainless steel

HLUMss

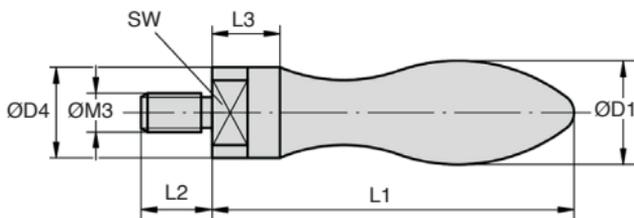
- Rotating handle (only)
- Similar to DIN98
- Material:  
1.4401 (316) stainless steel  
Polished finish

### Accessory

- See stainless steel spoked handwheel  
HLUss (tome 1 p.114)



316 stainless steel



### DISCOUNTS

Qty	1+	3+	5+	10+
Disc.	List	-5%	-10%	On request

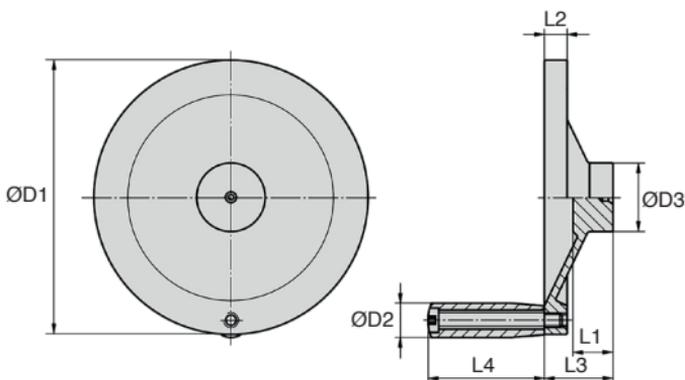
Part number	ØD1	ØM3	ØD4	L1	L2	L3	SW	Price each
								1 to 2
HLUM-M6/SS	16	M6	11	57	12	11,45	8	27,20 €
HLUM-M8/SS	21	M8	14	71	14	13,45	10	34,38 €
HLUM-M10/SS	25	M10	16	86	16	14,45	11	44,15 €

All dimensions in mm

## VPPTss

## 304 stainless steel

- Handwheel with rotating handle
- Finish: turned, natural
- Solid hub with centering point
- Material:  
1.4301 stainless steel



### DISCOUNTS

Qty	1+	3+	5+	10+
Disc.	List	-5%	-10%	On request

Part number	ØD1	ØD2	ØD3	L1	L2	L3	L4	Price each 1 to 2
VPPT76/SS	76,20	9,91	22,1	17,02	6,10	27,9	37,90	76,63 €
VPPT101/SS	101,60	11,94	25,9	18,03	7,87	31,7	39,88	86,12 €
VPPT151/SS	152,40	19,05	38,1	22,10	12,70	38,1	63,50	171,31 €
VPPT203/SS	203,20	22,10	45,7	24,13	14,22	45,7	76,20	220,71 €
VPPT254/SS	254,00	22,10	50,8	26,67	15,75	50,8	76,20	344,83 €

All dimensions in mm