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**MATERIAL**

High-resilience polypropylene based (PP) technopolymer, black colour, matte finish.

**BOSS CAP**

Acetal resin based (POM) technopolymer, light-grey colour, push-fit assembly.

**STANDARD EXECUTIONS**

Black-oxide steel boss, standard reamed hole (see page -).

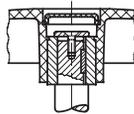
- **VDS+I**: with revolving handle I.621+x (see page 500) in technopolymer.
  - **VDS+IR**: with fold-away handle IR.620 (see page 508) in technopolymer.
  - **VDS+IRS**: with safety fold-away handle IRS.820 (see page 510) in technopolymer.
- AISI 304 stainless steel boss, standard reamed hole.
- **VDS+I-SST**: with revolving handle I.621+x-SST (see page 500) in technopolymer.
  - **VDS+IR-SST**: with fold-away handle IR.620-SST (see page 508) in technopolymer.

**SPECIAL EXECUTIONS ON REQUEST**

Bosses with hole and keyway in compliance with ANSI B17.1-1967 tolerance (see page A-16).  
To order the handwheel with keyway complete code and description with the index -K (i.e. 972671-R-K VDS.100+I A-3/8-K).

**ACCESSORIES ON REQUEST**

- GN 184: axial retaining washer in black-oxide steel (see page 897).
- GN 184.5: axial retaining washer in AISI 303 stainless steel (see page 897).
- ECB.D: glass-fibre reinforced polyamide based (PA) technopolymer boss cap, in Elecolors colours, matte finish, press-fit assembly, available for VDS.125, VDS.150 and VDS.175 (see table).



Assembly example with keyway and axial set screw



ELESA Original design



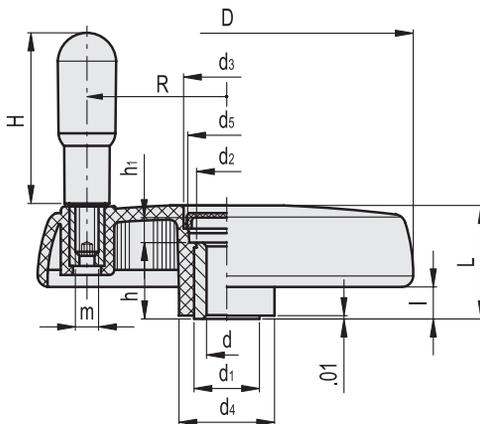
- C1**  
RAL7021
- C2**  
RAL2004
- C3**  
RAL7035
- C4**  
RAL1021
- C5**  
RAL5024
- C6**  
RAL3000

*ECB.D*

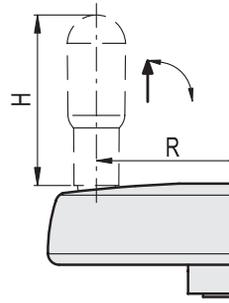
Code	Description	Boss cap for
29582-*	ECB.D2-*	VDS.125
29583-*	ECB.D3-*	VDS.150
29584-*	ECB.D4-*	VDS.175

\* Complete with colour index (C1, ..., C6).

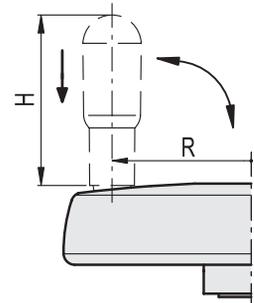
**VDS+I**  
**VDS+I-SST**



**VDS+IR**  
**VDS+IR-SST**



**VDS+IRS**



VDS+I

INCH

Code	Description	D	d	L	d1	d2	d3	d4	d5	l	h	ht	H	m	R	C# [ft lb] [Nm]	L# [ft lb] [J]	
972651-R	VDS.80+I A-5/16	3.27	0.312	1.14	0.71	0.63	0.83	1.02	0.75	0.35	0.67	0.31	1.77	M6	1.2	25	4	0.23
972671-R	VDS.100+I A-3/8	4.02	0.375	1.34	0.87	0.79	1.06	1.18	0.98	0.39	0.87	0.35	2.36	M6	1.54	44	10	0.4
972701-R	VDS.125+I A-3/8	4.92	0.375	1.56	1.02	0.94	1.22	1.38	1.1	0.43	1.06	0.43	2.36	M6	1.93	92	18	0.62
972751-R	VDS.150+I A-1/2	5.91	0.500	1.73	1.02	0.94	1.34	1.5	1.18	0.47	1.18	0.39	2.56	M8	2.22	133	19	0.83
972801-R	VDS.175+I A-1/2	6.93	0.500	1.93	1.38	1.3	1.54	1.73	1.38	0.51	1.1	0.63	3.15	M10	2.76	144	19	1.1
972851-R	VDS.200+I A-5/8	7.87	0.625	2.09	1.57	1.5	1.73	1.97	1.57	0.55	1.42	0.51	3.54	M10	3.19	236	20	1.48
972911-R	VDS.250+I A-5/8	9.84	0.625	2.36	1.57	1.5	1.97	2.24	1.89	0.67	1.42	0.75	3.54	M10	4.09	369	22	2.06

# For maximum torque (C) and impact strength (L) see Technical Data on page .

VDS+I-SST

INOX STAINLESS STEEL

INCH

Code	Description	D	d	L	d1	d2	d3	d4	d5	l	h	ht	H	m	R	C# [ft lb] [Nm]	L# [ft lb] [J]	
972656-R	VDS.80+I-SST-A 5/16	3.27	0.312	1.14	0.71	0.63	0.83	1.02	0.75	0.35	0.67	0.31	1.77	M6	1.2	25	4	0.23
972676-R	VDS.100+I-SST-A-3/8	4.02	0.375	1.34	0.87	0.79	1.06	1.18	0.98	0.39	0.87	0.35	2.36	M6	1.54	44	10	0.4
972706-R	VDS.125+I-SST-A-3/8	4.92	0.375	1.56	1.02	0.94	1.22	1.38	1.1	0.43	1.06	0.43	2.36	M6	1.93	92	18	0.62
972756-R	VDS.150+I-SST-A-1/2	5.91	0.500	1.73	1.02	0.94	1.34	1.5	1.18	0.47	1.18	0.39	2.56	M8	2.22	133	19	0.83
972856-R	VDS.200+I-SST-A-5/8	7.87	0.625	2.09	1.57	1.5	1.73	1.97	1.57	0.55	1.42	0.51	3.54	M10	3.19	236	20	1.48

VDS+IR

INCH

Code	Description	D	d	L	d1	d2	d3	d4	d5	l	h	ht	H	R	C# [ft lb] [Nm]	L# [ft lb] [J]	
972661-R	VDS.80+IR A-5/16	3.27	0.312	1.5	0.71	0.63	0.65	0.98	0.53	0.73	0.67	0.14	1.77	1.1	25	4	0.29
972681-R	VDS.100+IR A-3/8	4.02	0.375	1.34	0.87	0.79	1.06	1.18	0.98	0.39	0.87	0.35	1.77	1.54	44	10	0.37
972711-R	VDS.125+IR A-3/8	4.92	0.375	1.56	1.02	0.94	1.22	1.38	1.1	0.43	1.06	0.43	2.36	1.93	92	10	0.68
972761-R	VDS.150+IR A-1/2	5.91	0.500	1.73	1.02	0.94	1.34	1.5	1.18	0.47	1.18	0.39	2.56	2.22	133	11	0.95
972811-R	VDS.175+IR A-1/2	6.93	0.500	1.93	1.38	1.3	1.54	1.73	1.38	0.51	1.1	0.63	3.15	2.76	144	15	1.27
972861-R	VDS.200+IR A-5/8	7.87	0.625	2.09	1.57	1.5	1.73	1.97	1.57	0.55	1.42	0.51	3.54	3.19	236	20	1.56
972921-R	VDS.250+IR A-5/8	9.84	0.625	2.36	1.57	1.5	1.97	2.24	1.89	0.67	1.42	0.75	3.54	4.09	369	22	2.2

VDS+IR-SST

INOX STAINLESS STEEL

INCH

Code	Description	D	d	L	d1	d2	d3	d4	d5	l	h	ht	H	R	C# [ft lb] [Nm]	L# [ft lb] [J]	
972666-R	VDS.80+IR-SST-A-5/16	3.27	0.312	1.5	0.71	0.63	0.65	0.98	0.53	0.73	0.67	0.14	1.77	1.1	25	4	0.29
972686-R	VDS.100+IR-SST-A-3/8	4.02	0.375	1.34	0.87	0.79	1.06	1.18	0.98	0.39	0.87	0.35	1.77	1.54	44	10	0.37
972716-R	VDS.125+IR-SST-A-3/8	4.92	0.375	1.56	1.02	0.94	1.22	1.38	1.1	0.43	1.06	0.43	2.36	1.93	92	10	0.68
972766-R	VDS.150+IR-SST-A-1/2	5.91	0.500	1.73	1.02	0.94	1.34	1.5	1.18	0.47	1.18	0.39	2.56	2.22	133	11	0.95
972866-R	VDS.200+IR-SST-A-5/8	7.87	0.625	2.09	1.57	1.5	1.73	1.97	1.57	0.55	1.42	0.51	3.54	3.19	236	20	1.56

VDS+IRS

INCH

Code	Description	D	d	L	d1	d2	d3	d4	d5	l	h	ht	H	R	C# [ft lb] [Nm]	L# [ft lb] [J]	
972821-R	VDS.175+IRS A-1/2	6.93	0.500	1.93	1.38	1.3	1.54	1.73	1.38	0.51	1.1	0.63	3.15	2.76	144	15	1.28
972871-R	VDS.200+IRS A-5/8	7.87	0.625	2.09	1.57	1.5	1.73	1.97	1.57	0.55	1.42	0.51	3.54	3.19	236	20	1.61
972931-R	VDS.250+IRS A-5/8	9.84	0.625	2.36	1.57	1.5	1.97	2.24	1.89	0.67	1.42	0.75	3.54	4.09	369	22	2.1

# For maximum torque (C) and impact strength (L) see Technical Data on page .

