



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.

- **VDS+I**: with revolving handle I.621+x (see page 665) in technopolymer.

- **VDS+IR**: with fold-away handle IR.620 (see page 674) in technopolymer.

- **VDS+IRS**: with safety fold-away handle IRS.820 (see page 676) in technopolymer.

AISI 304 stainless steel boss, standard reamed hole.

- **VDS+I-SST**: with revolving handle I.621+x-SST (see page 665) in technopolymer.

- **VDS+IR-SST**: with fold-away handle IR.620-SST (see page 674) in technopolymer.

ACCESSORIES ON REQUEST

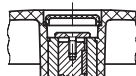
- Axial retaining washer in black-oxide steel GN 184 (see page 1021) or in AISI 303 stainless steel GN 184.5 (vedi pag. 1021).

- VDS.125, VDS.150 and VDS.175 are available also with technopolymer boss cap in one of the Ergostyle colours (see ECB. table).

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).



Assembly example
with keyway and axial set screw

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

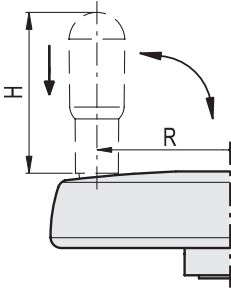
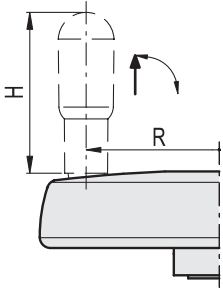
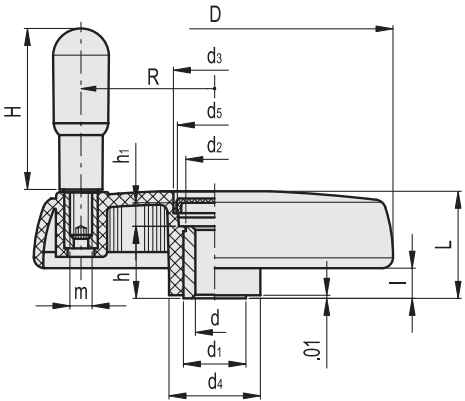
* Complete with colour index (C1, ..., C6).

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

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	h1	H	m	R	C# [ft·lb]	L# [ft·lb]	
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 A-3.

VDS+I-SST

INOX STAINLESS STEEL

INCH

Code	Description	D	d	L	d1	d2	d3	d4	d5	l	h	h1	H	m	R	C# [ft·lb]	L# [ft·lb]	
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	h1	H	R	C# [ft·lb]	L# [ft·lb]	
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	h1	H	R	C# [ft·lb]	L# [ft·lb]	
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	h1	H	R	C# [ft·lb]	L# [ft·lb]	
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 A-3.

