

## DECLUTCHABLE MANUAL GEARBOX TYPE RMD

#### **MAIN FEATURES**

The declutchable manual gearboxes type RMD are dedicated to the manual operating of  $\frac{1}{4}$  turn actuated valves. The manual gearbox is installed between the valve and the actuator. In the declutched position the valve can be operated thought the handwheel of the gearbox. In the other position, the valve is connected to the actuator. The housing of the gearbox is in cast iron, the pignons are in carbon steel and the lever is in aluminium or in carbon steel. The angle of operation is 90° +/- 5°. The connections to the valve and to the actuator are according to ISO 5211 standard.

	Valve	e side	Actua		
ltem	ISO	Square F	ISO	Square M	Torque
RMD 0A	F5/F7	17	F5	14	125 Nm
RMD 1A	F7/F10	22	F7	17	270 Nm
RMD 2A	F10/F12	27	F12	22	800 Nm
RMD 3A	F12	27	F12	27	1150 Nm
RMD 4A	F14	36	F14	36	2500 Nm

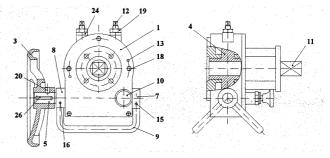


ISO flange valve side

## LIMITS OF USE

TS : - 20°C / + 80°C

#### **CONSTRUCTION**



N°	Description	Material	Stan.	N°	Descr.	Material	Stan.
1	Housing	Cast iron	GG-25	13	Pin	Stainless steel	X20Cr13
3	Handwheel	Aluminium		15	Pin	Stainless steel	X20Cr13
4	Quadrant	Ductile iron	GGG-40	16	Pin	Stainless steel	X20Cr13
5	Worm input shaft	Stainless steel	X20Cr13	18	Screw	Steel – zn plated	Gr 8.8
7	Bushing	Bronze	CuSn6	19	Nut	Steel – zn plated	Gr 8.8
8	Bushing	Bronze	CuSn6	20	Threaded pin	Stainless steel	X20Cr13
9	Lever	Steel – Zn coated		24	Seal. washer	Plastic	
10	Locking screw	Stainless steel	X20Cr13	26	Parallel key	Steel – Zn coated	
11	Driver	Stainless steel	X20Cr13		O-ring	NBR	
12	Set screw	Steel – Zn coated					

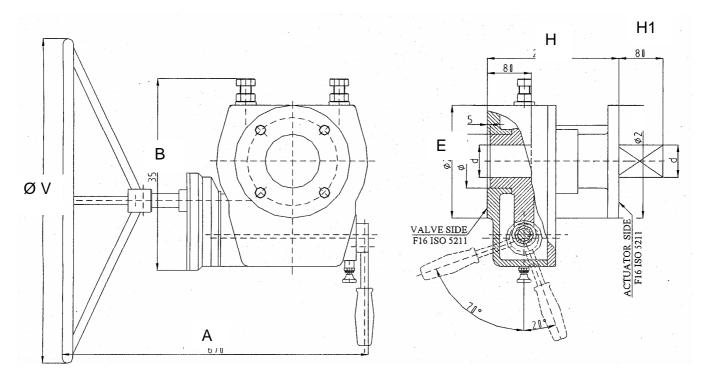
Modifications reserved





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## **DIMENSIONS (mm)**



Item	А	В	V	E	Н	H1
RMD 0A	154	160	135	90	105	30
RMD 1A	140	172	225	125	122	35
RMD 2A	145	210	225	125	138	40
RMD 3A	365	280	350	150	163	45
RMD 4A	540	300	600	175	195	50

#### **INSTALLATION**

The RMD has to be installed between the valve and the actuator.

Modifications reserved

