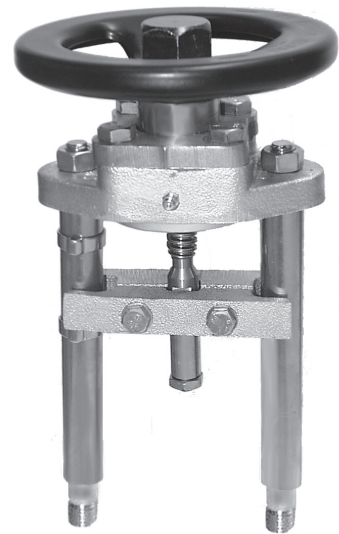
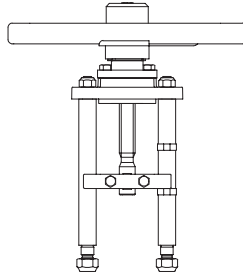


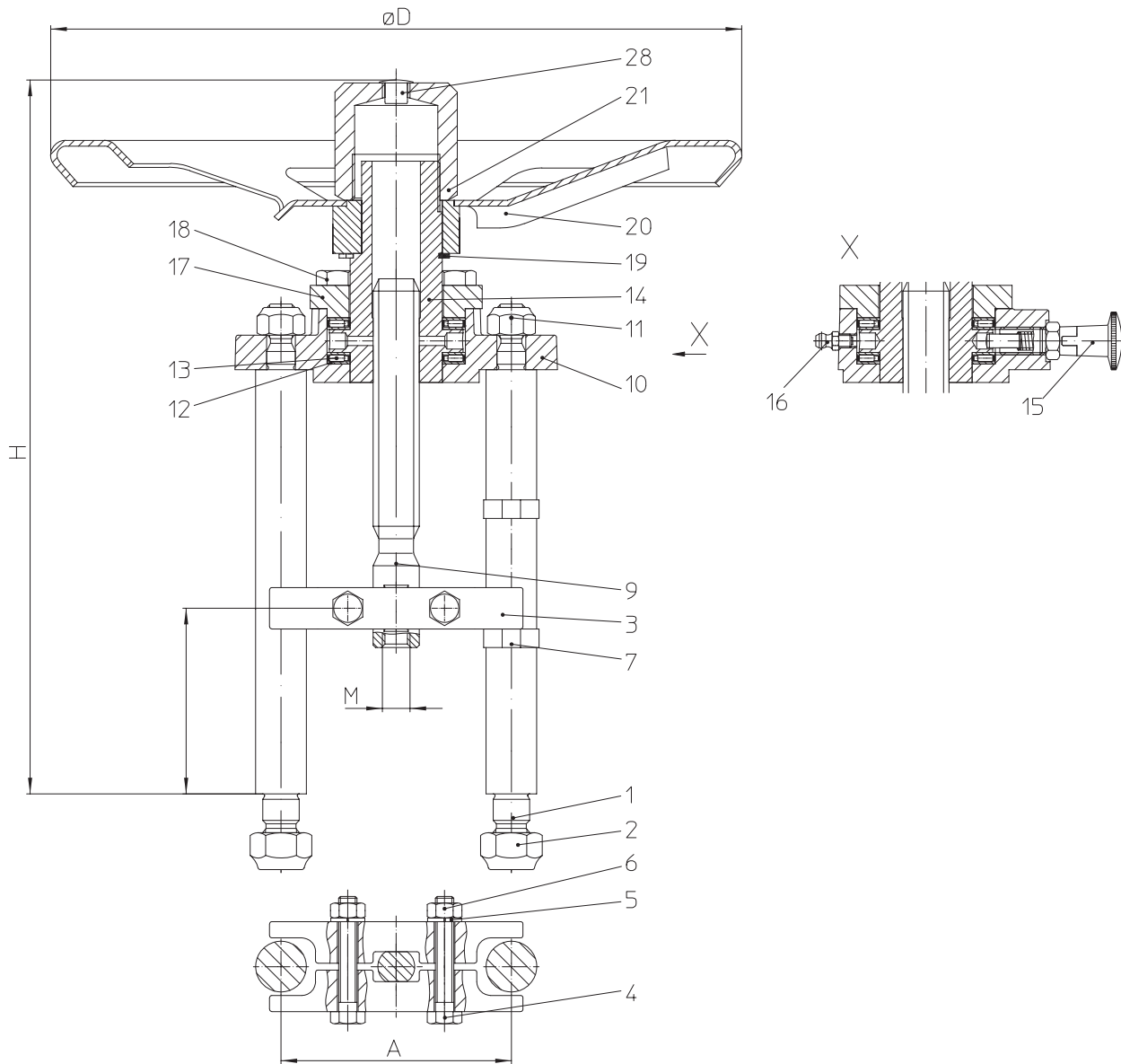
Manual handwheel actuator for control valves

Fig. 93.00....

- with handwheel
ø 150
ø 225
ø 300



Manual handwheel for control valves



The handwheel is locked by the locking device (15). This prevents the handwheel from turning. To engage the handwheel, the locking device must first be pulled out. Lubricate with grease using lubricating nipple (16).

Pos.	Description	Material
1	Distance column	X20Cr13+QT, 1.4021+QT
2	Hexagon nut	8-A3B
3	Clamp ledge	EN-JS1049, EN-GJS-400-18U-LT
4	Hexagon screw	8.8-A4G
5	Washer	FSt-A4G
6	Hexagon nut	8-A4G
7	Travel indicator	St
9	Driving spindle	X20Cr13+QT, 1.4021+QT
10	Traverse HNV	EN-JS1049, EN-GJS-400-18U-LT
11	Hexagon nut	8-A4G
12	Axial-washer	St
13	Axial-dial ring	St
14	Threaded bushing	CuZn35Ni3Mn2AlPb-R490, CW710R-R490
15	Catch pin	St/Cu
16	Lubricating nipple	5.8-A4G
17	Cover HNV	X20Cr13+QT, 1.4021+QT
18	Hexagon screw	8.8-A4G
19	Retaining ring	FST
20	Handwheel	EN-JL1040, EN-GJL-250
21	Safety cap	11SMn30+C, 1.0715+C
28	Sealing plug	PE-SOFT

Manual handwheel actuator to valve allocation

Figure	9300002001		9300000001		9300100001		9300200001	9300210011		9300211011		9300211041		9300201051		
M (Connection thread)	M 10		M 12		M 12		M 12	M 14 x 1,5		M 16 x 1,5		M 16 x 1,5		M 16		
Stem excess length (mm)	83		83		83		83	83		83		83		83		
Valve type	470	405 440/445 450	460 471 ¹⁾	441/446 451	460 470 471	441/446 451	460	405 440/445 450	471	470	450 (VT)	405 440/445 470/471 450 (M)	441 446 451	460	462 463	
DN (Nominal diameter) ²⁾	15-32	15-50	15-32	15-50	40-65	65-100	80-125	65-100	80-100	80-100	125-150	125-150	125-150	125-150	150-250	200-250
Nom. travel max. (mm)	20		20		30		50	30		30		65		65		
Rotations / Nom. Travel	5 (TR 16 x 4 - LH)		5 (TR 16 x 4 - LH)		7,5 (TR 20 x 4 - LH)		12,5 (TR 20 x 4 - LH)	7,5 (TR 20 x 4 - LH)		7,5 (TR 20 x 4 - LH)		12,5 (TR 20 x 4 - LH)		16,25 (TR 20 x 4 - LH)		
max. permissible thrust (kN)	12		18		18		18	25	40	40		40		35		

Dimensions and weights

Figure		9300002001	9300000001	9300100001	9300200001	9300210011	9300211011	9300211041	9300201051
D	(mm)	150	150	225	300	300	300	300	300
H	(mm)	247	247	310	310	310	310	336	336
A	(mm)	100	100	100	100	100	100	100	100
Weight	(kg)	4	4	5	5	6	6	6,5	6,5

¹⁾ max. permissible thrust: 12 kN

²⁾ for larger nominal diameters: manual handwheel actuators with handwheel- \varnothing 400 on request



Technology for the Future.
GERMAN QUALITY VALVES