



## ← Slewing Drives

For the swing drive of all types of excavators and cranes for ship unloading equipmen, for forestry equipmen and for all applications where precise positioning is necessary  
Output torques from 15 to 480 kNm  
Larger versions available on request  
Ratio from 15 to 1026

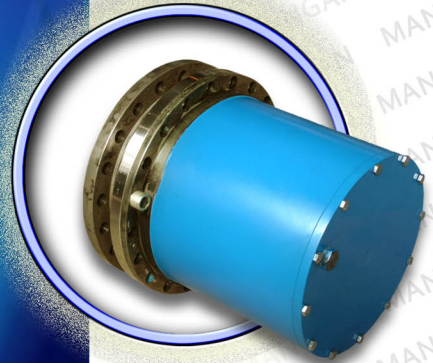
## Shrink Disk Drives - - - →

For all applications which require excellent true running at low speed, e.g for shredders continuous casting plants, conveyor systems mining machines, offshore systems, roller mills and many others  
Output torques from 15 to 480 kNm  
Ratios from 15 to 1026



## Hoisting Drives - - - →

For installation in the winch drum of all kinds of hoisting gear, e.g. in mobile and crawler cranes, in railway cranes harbor and container cranes in deck  
Output torques from 15 to 480 kNm  
Ratio from 15 to 1026



## Traveling Drives - - - →

For travel drives in tracked and wheeled vehicles Also suitable for other applications sequences, drum drives, e.g. rotary motion  
Output torques from 15 to 480 kNm  
Larger versions available on request  
Ratios from 15 to 1026



## ← Flang Mounted and Foot mounted Drives

Planetary gearboxes are reliable transmission components for use in various sectors of industry The gears are available as one, two or three stage designs and transmit output torque ranging Between 15 KNm and 480 KNm for almost any mounting configuration needs the unit's coaxial Design will be most convenient



**MANGAN**  
Industrial Group

- ✓ Compact two - or three stage planetary gearboxes
- ✓ Robust bearing to accommodate the rope pull force
- ✓ Optimized seals
- ✓ Integrated multi-disc parking brake
- ✓ Optional with A2FM/E fixed motor or A6VM/E variable motor available
- ✓ Easy mounting
- ✓ Easy oil change
- ✓ Low-noise operation

# Output tips

Type	Range of Ratios	TC	TA	HA	SA	SB	DA	CA	FA	GA
30A	2 Stage	15-34	15000	•	•	•	•	•	•	•
	3 Stage	52-180								
	4 Stage	180-1026								
35A	2 Stage	15-34	24000	•	•	•	•	•	•	•
	3 Stage	52-180								
	4 Stage	180-1026								
40A	2 Stage	15-34	36000	•	•	•	•	•	•	•
	3 Stage	52-180								
	4 Stage	180-1026								
45A	2 Stage	15-34	51000	•	•	•	•	•	•	•
	3 Stage	52-180								
	4 Stage	180-1026								
50A	2 Stage	15-34	72000	•	•	•	•	•	•	•
	3 Stage	52-180								
	4 Stage	180-1026								
55A	2 Stage	15-34	96000	•	•	•	•	•	•	•
	3 Stage	52-180								
	4 Stage	180-1026								
60A	2 Stage	15-34	126000	•	•	•	•	•	•	•
	3 Stage	52-180								
	4 Stage	180-1026								
65A	2 Stage	15-34	156000	•	•	•	•	•	•	•
	3 Stage	52-180								
	4 Stage	180-1026								
70A	2 Stage	15-34	192000	•	•	•	•	•	•	•
	3 Stage	52-180								
	4 Stage	180-1026								
80A	2 Stage	15-34	288000	•	•	•	•	•	•	•
	3 Stage	52-180								
	4 Stage	180-1026								

## Ratio

2 - Stages	15	16	19	21	24	28	34	
3 - Stages	52	56	66	71	73	83	84	89
	93	97	105	117	123	132	154	186
4 - Stages	180	193	228	245	254	287	289	308
	310	321	334	364	366	390	404	407
	423	457	461	790	511	532	536	579
	643	674	728	816	847	1026		