Shiftable planetary gear reducer

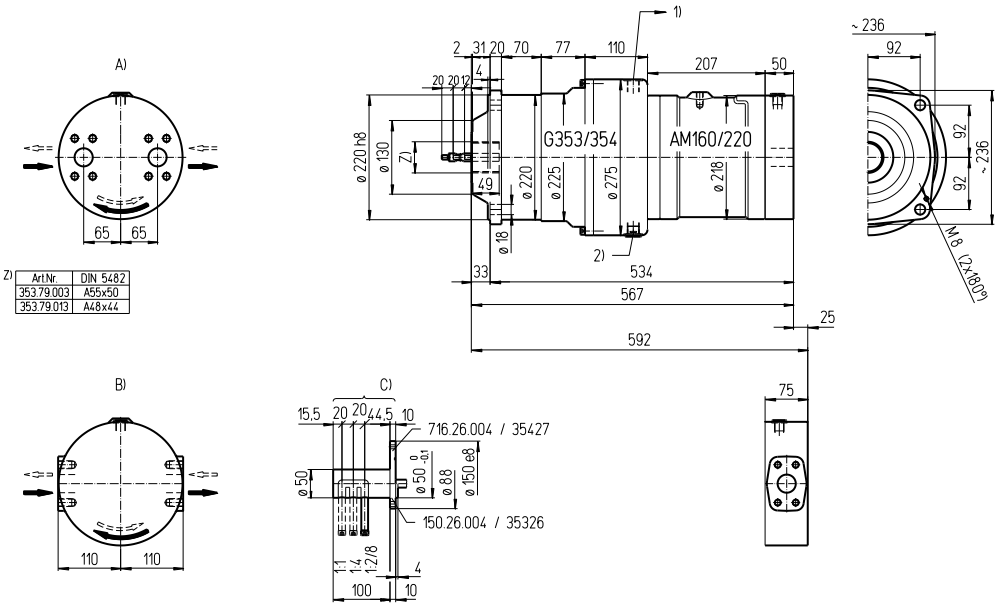
$Md_{cont.\ max}$ 5’100 Nm

$Md_{int.\ max}$ 7’660 Nm

Data sheet

16.353G

english / 20120817/Wa



Oil connections:

A) SAE 1 1/4" (420 bar) axial (16.353G) ISO 6162-2
DN25 42 MPa

B) SAE 1 1/4" (420 bar) radial (16R353G) ISO 6162-2
DN25 42 MPa

1) Drain G1/2

2) Oil-drain plug G1/2

C) Gear shift according drawing no. 203.98.3

Important instructions:

Observe our installation and operating instructions
Before start up fill planetary gear with oil
Oil filling: approx. 8 Liter
Weight: approx. 127 kg
Fastening screw: M16 - 12.9 // Tightening torque: 365 Nm
Gear shifting only while standstill

Possible special design:
- 2 position gear shift
- Fix gear ratio (without gear shift)

Technical data:

Denomination		Output torque Nm						Output speed			Displacement Liter / rev.			Ratio		
		cont. 210 bar			int. 315 bar			min^{-1}								
Type	**EDV-No.**	**I**	**II**	**III**	**I**	**II**	**III**	**I**	**II**	**III**	**I**	**II**	**III**	**I**	**II**	**III**
AM160-1/2/4G AM160R-1/2/4G	16.353G 16R353G	500	1000	1960	750	1500	2950	1500	734	375	0,158	0,323	0,632	1:1	1:2,043	1:4,000
AM160-1/4/8G AM160R-1/4/8G	16.354G 16R354G	500	1960	3730	750	2950	5600	1500	375	197	0,158	0,632	1,202	1:1	1:4,000	1:7,609
AM220-1/2/4G AM220R-1/2/4G	22.353G 22R353G	685	1370	2690	1025	2060	4030	1500	734	375	0,216	0,441	0,864	1:1	1:2,043	1:4,000
AM220-1/4/8G AM220R-1/4/8G	22.354G 22R354G	685	2685	5100	1025	4030	7660	1500	375	197	0,216	0,864	1,644	1:1	1:4,000	1:7,609

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