

Digital position indicators direct drive

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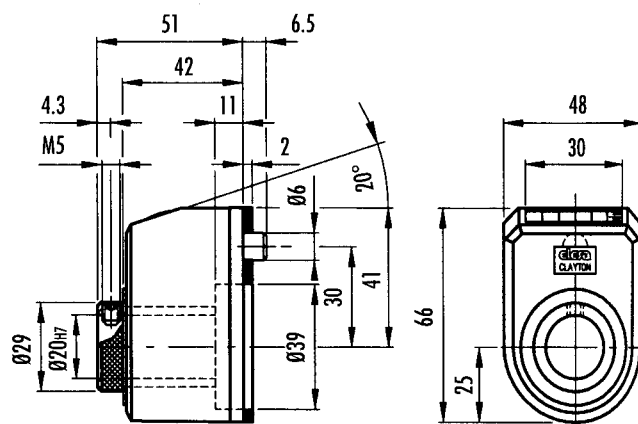
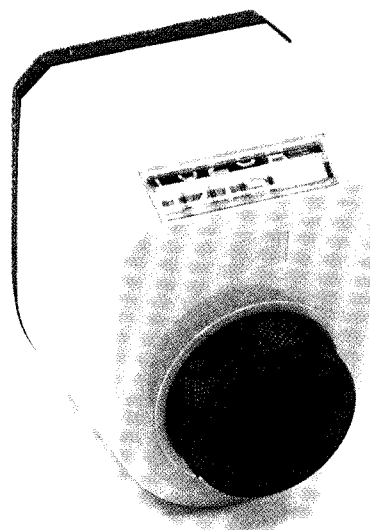
Direct drive indicators

- **Use** mounted on passing through control spindles in any position, for giving actual reading of the positioning of a machine component.
- High impact resistant **technopolymer case**, ultrasonically welded to its support to prevent accidental tampering and dust penetration. Standard colour RAL 2004 orange and RAL 7035 grey. Resistant to solvents, oils, grease and other chemical agents.
- Five figure **digital counter** (4 black units and 1 red decimal or 3 black units and 2 red decimal places). The counter wheels are compact with ergonomically designed numbers for rapid reading. The magnifying window (lens effect) improves the readability. The spring connection with light interference between window and case prevent dust penetration.
- Black oxide **steel insert** with standard $\varnothing 20$ mm H7 tolerance reamed hole (AISI 303 stainless steel inserts supplied on request and for sufficient quantities).
- **Complete with** socket head grub screw with cup end for fitting to shaft (according to UNI 5929-85).
- Rear foam rubber **gasket** (standard accessory).
- Location rear **torque pin** for positioning.
- **Speed:** indicator is designed also for use in motor driven applications (see speed table on page 263).
- Maximum **working temperature** of $80^{\circ}\text{C}^{\circ}$.
- **Weight 130** grams.

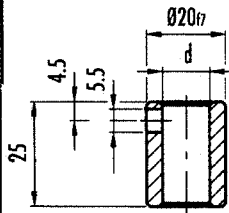
Accessories to be ordered separately:
steel reduction sleeves RB52 (AISI 303 stainless steel available on request and for sufficiently large quantities, technopolymer reduction sleeves RBT.52, front powdertight synthetic rubber gasket BS51 code CE.85900).

Installation instructions:

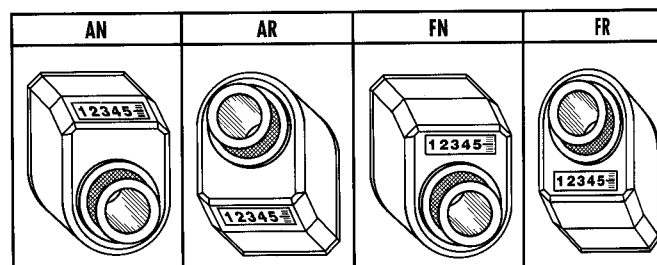
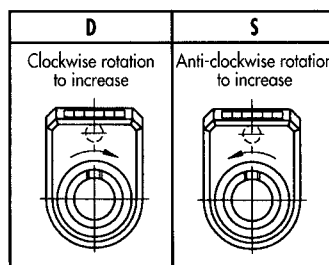
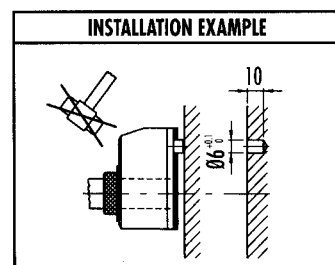
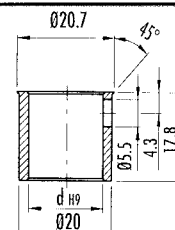
- Pull out the indicator and drill a $\varnothing 6$ mm by 10 mm deep hole with centre distance of 22 mm from the spindle.
- Zero set the spindle.
- Re-fit the zeroed indicator onto the spindle and make sure the rear pin locates into the hole.
- Tighten the socket head grub screw.



Reduction Sleeve		
Code	Description	dH7
CE.87940	RB52-12	12
CE.87950	RB52-14	14
CE.87955	RB52-15	15
CE.87960	RB52-16	16



Reduction Sleeve		
Code	Description	dH9
CE.87970	RBT52-12	12
CE.87985	RBT52-16	16



Pitch	Table of the possible combinations									
	Type	Reading position	Reading after one revolution ◆			Direction of rotation	Colour	Speed (rpm) ▲	Inches reading ◆	Speed (rpm) ▲
0.5	DD52	AN inclined upper		000.50	00050	D clockwise	AR orange	500	00.019(6875)	1270
0.5			0000.5	000.05	00005			1500	00.019(6875)	1270
1.0				001.00	00100			250	00.039(375)	630
1.0			0001.0	000.10	00010			1500	00.039(375)	630
1.25			0001.2(5)	000.12(5)	00012(5)			1500		
1.5			0001.5	000.15	00015			1500		
1.75			0001.7(5)	000.17(5)	00017(5)			1420		
2.0			0002.0	000.20	00020			1250	00.078(75)	310
2.5		AR inclined lower	0002.5	000.25	00025	1000				
2.54			0002.5(4)	000.25(4)	00025(4)	980				
3.0			0003.0	000.30	00030	830				
3.15			0003.1(5)	000.31(5)	00031(5)	790				
3.175			0003.1(75)	000.31(75)	00031(75)	780				
3.5			0003.5	000.35	00035	710				
4.0		FN front upper	0004.0	000.40	00040	625	000.15(75)	1500		
5.0			0005.0	000.50	00050	500	000.19(6875)	1270		
5.08			0005.0(8)	000.50(8)	00050(8)	490				
6.0			0006.0	000.60	00060	415				
6.25			0006.2(5)	000.62(5)	00062(5)	400				
6.35			0006.3(5)	000.63(5)	00063(5)	390				
7.5		FR front lower	0007.5	000.75	00075	S anti-clockwise	NR anthracite	330		
8.0			0008.0	000.80	00080			315		
9.0			0009.0	000.90	00090			270		
10.0			0010.0	001.00	00100			250	000.39(375)	630
12.0			0012.0	001.20	00120			200		
13.0			0013.0	001.30	00130			190		
15.0			0015.0	001.50	00150			160		

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Direct drive indicators

▲ The maximum rotational speed of the indicator corresponds to a maximum rotational speed of 25000 digits per minute of the right hand side wheel. Rotational speed tests have been performed in our laboratory under standard operating conditions.
◆ The internal mechanism takes into account the figures between brackets, even if they do not compare on the display.

STANDARD COMBINATIONS

DD52 - AN			DD52 - AR			DD52 - FN			DD52 - FR		
Code		Description	Code		Description	Code		Description	Code		Description
Grey	Orange		Grey	Orange		Grey	Orange		Grey	Orange	
CE.86101	CE.86103	DD52-AN-000.50-D	CE.86601	CE.86603	DD52-AR-000.50-D	CE.87101	CE.87103	DD52-FN-000.50-D	CE.87601	CE.87603	DD52-FR-000.50-D
CE.86102	CE.86104	DD52-AN-000.50-S	CE.86602	CE.86604	DD52-AR-000.50-S	CE.87102	CE.87104	DD52-FN-000.50-S	CE.87602	CE.87604	DD52-FR-000.50-S
CE.86131	CE.86133	DD52-AN-001.00-D	CE.86631	CE.86633	DD52-AR-001.00-D	CE.87131	CE.87133	DD52-FN-001.00-D	CE.87631	CE.87633	DD52-FR-001.00-D
CE.86132	CE.86134	DD52-AN-001.00-S	CE.86632	CE.86634	DD52-AR-001.00-S	CE.87132	CE.87134	DD52-FN-001.00-S	CE.87632	CE.87634	DD52-FR-001.00-S
CE.86151	CE.86153	DD52-AN-0001.0-D	CE.86651	CE.86653	DD52-AR-0001.0-D	CE.87151	CE.87153	DD52-FN-0001.0-D	CE.87651	CE.87653	DD52-FR-0001.0-D
CE.86152	CE.86154	DD52-AN-0001.0-S	CE.86652	CE.86654	DD52-AR-0001.0-S	CE.87152	CE.87154	DD52-FN-0001.0-S	CE.87652	CE.87654	DD52-FR-0001.0-S
CE.86181	CE.86183	DD52-AN-0002.0-D	CE.86681	CE.86683	DD52-AR-0002.0-D	CE.87181	CE.87183	DD52-FN-0002.0-D	CE.87681	CE.87683	DD52-FR-0002.0-D
CE.86182	CE.86184	DD52-AN-0002.0-S	CE.86682	CE.86684	DD52-AR-0002.0-S	CE.87182	CE.87184	DD52-FN-0002.0-S	CE.87682	CE.87684	DD52-FR-0002.0-S
CE.86197	CE.86199	DD52-AN-0002.5-D	CE.86697	CE.86699	DD52-AR-0002.5-D	CE.87197	CE.87199	DD52-FN-0002.5-D	CE.87697	CE.87699	DD52-FR-0002.5-D
CE.86198	CE.86200	DD52-AN-0002.5-S	CE.86698	CE.86700	DD52-AR-0002.5-S	CE.87198	CE.87200	DD52-FN-0002.5-S	CE.87698	CE.87700	DD52-FR-0002.5-S
CE.86211	CE.86213	DD52-AN-0003.0-D	CE.86711	CE.86713	DD52-AR-0003.0-D	CE.87211	CE.87213	DD52-FN-0003.0-D	CE.87711	CE.87713	DD52-FR-0003.0-D
CE.86212	CE.86214	DD52-AN-0003.0-S	CE.86712	CE.86714	DD52-AR-0003.0-S	CE.87212	CE.87214	DD52-FN-0003.0-S	CE.87712	CE.87714	DD52-FR-0003.0-S
CE.86231	CE.86233	DD52-AN-0004.0-D	CE.86731	CE.86733	DD52-AR-0004.0-D	CE.87231	CE.87233	DD52-FN-0004.0-D	CE.87731	CE.87733	DD52-FR-0004.0-D
CE.86232	CE.86234	DD52-AN-0004.0-S	CE.86732	CE.86734	DD52-AR-0004.0-S	CE.87232	CE.87234	DD52-FN-0004.0-S	CE.87732	CE.87734	DD52-FR-0004.0-S
CE.86251	CE.86253	DD52-AN-0005.0-D	CE.86751	CE.86753	DD52-AR-0005.0-D	CE.87251	CE.87253	DD52-FN-0005.0-D	CE.87751	CE.87753	DD52-FR-0005.0-D
CE.86252	CE.86254	DD52-AN-0005.0-S	CE.86752	CE.86754	DD52-AR-0005.0-S	CE.87252	CE.87254	DD52-FN-0005.0-S	CE.87752	CE.87754	DD52-FR-0005.0-S
CE.86263	CE.86265	DD52-AN-0006.0-D	CE.86763	CE.86765	DD52-AR-0006.0-D	CE.87263	CE.87265	DD52-FN-0006.0-D	CE.87763	CE.87765	DD52-FR-0006.0-D
CE.86264	CE.86266	DD52-AN-0006.0-S	CE.86764	CE.86766	DD52-AR-0006.0-S	CE.87264	CE.87266	DD52-FN-0006.0-S	CE.87764	CE.87766	DD52-FR-0006.0-S
CE.86291	CE.86293	DD52-AN-0010.0-D	CE.86791	CE.86793	DD52-AR-0010.0-D	CE.87291	CE.87293	DD52-FN-0010.0-D	CE.87791	CE.87793	DD52-FR-0010.0-D
CE.86292	CE.86294	DD52-AN-0010.0-S	CE.86792	CE.86794	DD52-AR-0010.0-S	CE.87292	CE.87294	DD52-FN-0010.0-S	CE.87792	CE.87794	DD52-FR-0010.0-S

Special options on request

Special readings after one revolution (for use with spindles having their pitch in mm or inches), stainless steel insert, special reduction sleeves.