

EUROMAP 27-2	Pipe and Profile Extrusion Lines Generic CANopen Interface Part 2: Puller
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see also www.can-cia.org/index.php?id=specifications.

History

Date	Changes
2002-10-22	<i>Publication of version 1.0</i>
2004-02-27	<i>Publication of version 2.0</i> Note: Version 2.0 is not compatible to version 1.0
2007-04-12	<i>Publication of version 3.0</i> Editorial corrections and clarifications Load control function included
2015-05-28	<i>Publication of version 3.1</i> Automatic diameter adaptation added Editorial changes

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1 Scope

The CANopen application profile for extruder downstream devices includes several parts:

- Part 1 specifies general definitions
- Part 2 specifies the device profile for the puller downstream device
- Part 3 specifies the device profile for the corrugator downstream device
- Part 4 specifies the device profile for the saw downstream device
- Part 5 specifies the device profile for the co-extruder device
- Part 6 specifies the device profile for the calibration-table downstream device

This part specifies the CANopen interface for the puller downstream device.

2 References

/CiA420-1/ CiA 420, CANopen profile for extruder downstream devices — Part 1: General definitions

The references given in /CiA420-1/ apply to this specification as well.

3 Abbreviations and definitions

3.1 Abbreviations

The abbreviations given in /CiA420-1/ apply to this specification as well.

3.2 Definitions

The definitions given in /CiA420-1/ apply to this specification as well.

4 Operating principles

4.1 General

The puller downstream device interface shall support all mandatory functions of /CiA301/ and /CiA420-1/ as well as all mandatory functions defined in this specification.

4.2 Load controller function

The load controller function is optional.

5 PDO specification

5.1 Overview

Table 1 shows the process data mapped into TPDOs and RPDOs.

Table 1 – TPDO and RPDO mapping

PDO number	Index/sub-index	Name/description
TPDO 1	6030 00 _h 6000 00 _h 6006 00 xxxx xx	Status word Puller speed actual value Puller load actual value Manufacturer-specific process data
TPDO 2	6004 00 _h 6008 00 _h	Puller speed set echo Product speed
RPDO 1	6020 00 _h	Control word

PDO number	Index/sub-index	Name/description
	6002 00 _h 600B 00 _h xxxx xx	Puller speed set value Puller load set value Manufacturer-specific process data (NOTE)
NOTE The RPDO 1 is able to map one and only one Manufacturer-specific process data		

5.2 First TPDO

This TPDO shall be transmitted to the master-extruder. It contains by default the *status word*, the *puller speed actual value*, and the *puller load actual value*.

Table 2 specifies the object description of the PDO communication parameter and Table 3 specifies the associated entry description. The values are defined in /CiA301/. The sub-index 04_h is reserved for compatibility reasons and shall not be implemented.

Table 2 — Object description

Attribute	Value
Index	1800 _h
Name	TPDO 1 communication parameter
Object code	RECORD
Data type	PDO communication parameter record
Category	Mandatory

Table 3 — Entry description

Attribute	Value
Sub-index	00 _h
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	02 _h to 06 _h
Default value	Manufacturer-specific
Sub-index	01 _h
Description	COB-ID
Entry category	Mandatory
Access	rw
PDO mapping	No
Value range	4000 0180 _h + node-ID or C000 0180 _h + node-ID
Default value	4000 0180 _h + node-ID
Sub-index	02 _h
Description	Transmission type
Entry category	Mandatory
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	01 _h

Attribute	Value
Sub-index	03 _h
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 _h
Sub-index	05 _h
Description	Event timer
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 _h
Sub-index	06 _h
Description	Sync start value
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 _h

Table 4 specifies the object description of the PDO mapping parameter and Table 5 specifies the associated entry description. The values are defined in /CiA301/. The unused bytes in the data field shall only be used for a manufacturer-specific second status word.

Table 4 — Object description

Attribute	Value
Index	1A00 _h
Name	TPDO 1 mapping parameter
Object code	RECORD
Data type	PDO mapping parameter record
Category	Mandatory

Table 5 — Entry description

Attribute	Value
Sub-index	00 _h
Description	Highest sub-index supported
Entry category	Mandatory
Access	rw (const in NMT operational state)
PDO mapping	No
Value range	00 _h , 03 _h to 04 _h
Default value	Manufacturer-specific
Sub-index	01 _h
Description	1 st application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6030 00 10 _h
Default value	6030 00 10 _h
Sub-index	02 _h
Description	2 nd application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6000 00 10 _h
Default value	6000 00 10 _h
Sub-index	03 _h
Description	3 rd application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6006 00 10 _h
Default value	6006 00 10 _h
Sub-index	04 _h
Description	4 th application object
Entry category	Optional
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	Manufacturer-specific

5.3 Second TPDO

This TPDO shall be transmitted to the master-extruder. It contains by default the *puller speed set echo*, and the *product speed*.

Table 6 specifies the object description of the PDO communication parameter and Table 7 specifies the associated entry description. The values are defined in /CiA301/. The sub-index 04_h is reserved for compatibility reasons and shall not be implemented.

Table 6 — Object description

Attribute	Value
Index	1801 _h
Name	TPDO 2 communication parameter
Object code	RECORD
Data type	PDO communication parameter record
Category	Mandatory

Table 7 — Entry description

Attribute	Value
Sub-index	00 _h
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	02 _h to 06 _h
Default value	Manufacturer-specific
Sub-index	01 _h
Description	COB-ID
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	4000 0280 _h + node-ID
Sub-index	02 _h
Description	Transmission type
Entry category	Mandatory
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	01 _h

Attribute	Value
Sub-index	03 _h
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 _h
Sub-index	05 _h
Description	Event timer
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 _h
Sub-index	06 _h
Description	Sync start value
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 _h

Table 8 specifies the object description of the PDO mapping parameter and Table 9 specifies the associated entry description. The values are defined in /CiA301/.

Table 8 — Object description

Attribute	Value
Index	1A01 _h
Name	TPDO 2 mapping parameter
Object code	RECORD
Data type	PDO mapping parameter record
Category	Mandatory

Table 9 — Entry description

Attribute	Value
Sub-index	00 _h
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	02 _h
Default value	02 _h
Sub-index	01 _h
Description	1 st application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6004 00 10 _h
Default value	6004 00 10 _h
Sub-index	02 _h
Description	2 nd application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6008 00 20 _h
Default value	6008 00 20 _h

5.4 First RPDO

This RPDO shall be received from the master-extruder. It contains by default the *control word*, and the *puller speed set value*. Additionally, it shall contain the *puller load set value* if the puller load control function is implemented.

Table 10 specifies the object description of the PDO communication parameter and Table 11 specifies the associated entry description. The values are defined in /CiA301/. The sub-index 04_h is reserved for compatibility reasons and shall not be implemented.

Table 10 — Object description

Attribute	Value
Index	1400 _h
Name	RPDO 1 communication parameter
Object code	RECORD
Data type	PDO communication parameter record
Category	Mandatory

Table 11 — Entry description

Attribute	Value
Sub-index	00 _n
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	02 _n to 05 _n
Default value	Manufacturer-specific
Sub-index	01 _n
Description	COB-ID
Entry category	Mandatory
Access	rw
PDO mapping	No
Value range	4000 0200 _n + node-ID or C000 0200 _n + node-ID
Default value	4000 0200 _n + node-ID
Sub-index	02 _n
Description	Transmission type
Entry category	Mandatory
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	01 _n
Sub-index	03 _n
Description	Inhibit time
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 _n
Sub-index	05 _n
Description	Event timer
Entry category	Optional
Access	rw
PDO mapping	No
Value range	See /CiA301/
Default value	0000 _n

Table 12 specifies the object description of the PDO mapping parameter and Table 13 specifies the associated entry description. The values are defined in /CiA301/. The unused bytes in the data field shall only be used for a manufacturer-specific second control word.

Table 12 — Object description

Attribute	Value
Index	1600 _h
Name	RPDO 1 mapping parameter
Object code	RECORD
Data type	PDO mapping parameter record
Category	Mandatory

Table 13 — Entry description

Attribute	Value
Sub-index	00 _h
Description	Highest sub-index supported
Entry category	Mandatory
Access	rw (const in NMT operational state)
PDO mapping	No
Value range	00 _h , 03 _h to 04 _h
Default value	Manufacturer-specific
Sub-index	01 _h
Description	1 st application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6020 00 10 _h
Default value	6020 00 10 _h
Sub-index	02 _h
Description	2 nd application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	6002 00 10 _h
Default value	6002 00 10 _h

Attribute	Value
Sub-index	03 _h
Description	3 rd application object
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	600B 00 10 _h
Default value	600B 00 10 _h
Sub-index	04 _h
Description	4 th application object
Entry category	Optional
Access	const
PDO mapping	No
Value range	See /CiA301/
Default value	Manufacturer-specific

6 Application object specification

6.1 Object 6000_h: Puller speed actual value

This object shall provide the actual speed value of the puller. The value shall be given in 0,01% of the maximum speed. Negative values shall be given if the direction is reversed.

Table 14 specifies the object description and Table 15 specifies the entry description.

Table 14 — Object description

Attribute	Value
Index	6000 _h
Name	Puller speed actual value
Object code	VAR
Data type	INTEGER16
Category	Mandatory

Table 15 — Entry description

Attribute	Value
Sub-index	00 _h
Access	ro
PDO mapping	Default
Value range	-10000 _a to +10000 _a
Default value	No

6.2 Object 6001_h: Puller speed real maximum

This object shall provide the maximum speed value of the puller based on the real maximum puller speed at 100% set value. The value shall be given in 1 mm/min.

Table 16 specifies the object description and Table 17 specifies the entry description.

Table 16 — Object description

Attribute	Value
Index	6001 _h
Name	Puller speed real maximum
Object code	VAR
Data type	UNSIGNED32
Category	Mandatory

Table 17 — Entry description

Attribute	Value
Sub-index	00 _h
Access	const
PDO mapping	Optional
Value range	UNSIGNED32
Default value	Device specific

6.3 Object 6002_h: Puller speed set value

This object shall indicate the speed set value send by the master-extruder. The value shall be given in 0,01% of the maximum speed. Negative values shall be given if the direction is reversed.

Table 18 specifies the object description and Table 19 specifies the entry description.

Table 18 — Object description

Attribute	Value
Index	6002 _h
Name	Puller speed set value
Object code	VAR
Data type	INTEGER16
Category	Mandatory

Table 19 — Entry description

Attribute	Value
Sub-index	00 _h
Access	rw
PDO mapping	Default
Value range	-10000 _d to +10000 _d
Default value	0 _d

6.4 Object 6003_h: Puller speed set maximum

This object shall indicate the maximum speed set value of the puller. The value shall be given in 1 mm/min.

Table 20 specifies the object description and Table 21 specifies the entry description.

Table 20 — Object description

Attribute	Value
Index	6003 _h
Name	Puller speed set maximum
Object code	VAR
Data type	UNSIGNED32
Category	Mandatory

Table 21 — Entry description

Attribute	Value
Sub-index	00 _h
Access	rw
PDO mapping	Optional
Value range	UNSIGNED32
Default value	Value as given in object 6001 _h

6.5 Object 6004_h: Puller speed set echo

This object shall provide the puller speed set value after recovering from bus-off state. The value shall be given in 0,01% of the maximum speed. Negative values shall be given if the direction is reversed. The scaling is given in object 6003_h.

Table 22 specifies the object description and Table 23 specifies the entry description.

Table 22 — Object description

Attribute	Value
Index	6004 _h
Name	Puller speed set echo
Object code	VAR
Data type	INTEGER16
Category	Mandatory

Table 23 — Entry description

Attribute	Value
Sub-index	00 _h
Access	ro
PDO mapping	Default
Value range	-10000 _d to +10000 _d
Default value	No

6.6 Object 6005_h: Puller speed step

This object shall indicate the size of the first speed change at using increase or decrease key requested by the master-extruder. The value shall be given in 0,01% of the maximum speed. The scaling is given in object 6003_h.

Table 24 specifies the object description and Table 25 specifies the entry description.

Table 24 — Object description

Attribute	Value
Index	6005 _h
Name	Puller speed step
Object code	VAR
Data type	UNSIGNED16
Category	Mandatory

Table 25 — Entry description

Attribute	Value
Sub-index	00 _h
Access	rw
PDO mapping	Optional
Value range	0 _d to 10000 _d
Default value	0 _d

6.7 Object 6006_h: Puller load actual value

This object shall provide the actual value of the puller load. The value shall be given in 0,01% of the maximum load. Negative value shall be given if the load is negative.

Table 26 specifies the object description and Table 27 specifies the entry description.

Table 26 — Object description

Attribute	Value
Index	6006 _h
Name	Puller load actual value
Object code	VAR
Data type	INTEGER16
Category	Mandatory

Table 27 — Entry description

Attribute	Value
Sub-index	00 _h
Access	ro
PDO mapping	Default
Value range	INTEGER16
Default value	No

6.8 Object 6007_h: Scaling factor

This object shall indicate the default factor between counted pulses and length. The value shall be given in pulse/m.

NOTE Pulse/mm does not allow the necessary scaling resolution that is required for calibration.

Table 28 specifies the object description and Table 29 specifies the entry description.

Table 28 — Object description

Attribute	Value
Index	6007 _h
Name	Scaling factor
Object code	VAR
Data type	UNSIGNED32
Category	Mandatory

Table 29 — Entry description

Attribute	Value
Sub-index	00 _h
Access	rw
PDO mapping	Optional
Value range	UNSIGNED32
Default value	Manufacturer-specific

6.9 Object 6008_h: Product speed

This object shall provide the actual value calculated from measuring wheel or motor encoder pulses and time. The accuracy of this value shall be better than 0,3%. The value shall be given in 0,1 mm/min. Negative values shall be given if the direction is reversed.

Table 30 specifies the object description and Table 31 specifies the entry description.

Table 30 — Object description

Attribute	Value
Index	6008 _h
Name	Product speed
Object code	VAR
Data type	INTEGER32
Category	Mandatory

Table 31 — Entry description

Attribute	Value
Sub-index	00 _h
Access	ro
PDO mapping	Default
Value range	INTEGER32
Default value	No

6.10 Object 6009_h: Height adjustments

This object shall indicate the height adjustment values configured by the master-extruder (e.g. the distance from the centerline to the bottom of the product). The values shall be given in 0,1 mm. Positive values shall be given if the distance is above the centerline and negative values shall be given if the distance is below the centerline.

Writing the value 00_h to sub-index 00_h by means of SDO write access shall disable the entire parameter set and object 6009_h is not used by the application. In this case the saw changes the track position locally. Enabling of object 6009_h is done by writing the appropriate highest sub-index supported to object 6009_h sub-index 00_h. In case the object 6009_h is disabled, any access to sub-index 01_h and higher shall be aborted by means of SDO abort code 0800 0022_h - Data cannot be transferred or stored to the application because of the present device state.

Table 32 specifies the object description and Table 33 specifies the entry description.

Table 32 — Object description

Attribute	Value
Index	6009 _h
Name	Height adjustments
Object code	ARRAY
Data type	INTEGER16
Category	Optional

Table 33 — Entry description

Attribute	Value
Sub-index	00 _h
Description	Highest sub-index supported
Entry category	Mandatory
Access	const or rw
PDO mapping	No
Value range	00 _h to 0A _h
Default value	Manufacturer-specific
Sub-index	01 _h
Description	Height adjustment 1
Entry category	Mandatory
Access	rw
PDO mapping	Optional
Value range	INTEGER16
Default value	0000 _h
Sub-index	02 _h
Description	Height adjustment 2
Entry category	Optional
Access	rw
PDO mapping	Optional
Value range	INTEGER16
Default value	0000 _h
to	

Attribute	Value
Sub-index	0A _h
Description	Height adjustment 10
Entry category	Optional
Access	rw
PDO mapping	Optional
Value range	INTEGER16
Default value	0000 _h

6.11 Object 600A_h: Pressure set values

This object shall indicate the pressure set values configured by the master-extruder (e.g. for upper caterpillar). The value shall be given in 0,01% of the maximum pressure.

Table 34 specifies the object description and Table 35 specifies the entry description.

Table 34 — Object description

Attribute	Value
Index	600A _h
Name	Pressure set value array
Object code	ARRAY
Data type	UNSIGNED16
Category	Optional

Table 35 — Entry description

Attribute	Value
Sub-index	00 _h
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	01 _h to 0A _h
Default value	Manufacturer-specific
Sub-index	01 _h
Description	Pressure set value 1
Entry category	Mandatory
Access	rw
PDO mapping	Optional
Value range	0 _d to 10000 _d
Default value	0 _d

Table 38 — Value definition

Signal	Value	Definition
s (speed measuring)	0 _b 1 _b	Speed measuring not available Speed measuring available
ha (height adjustment)	0 _b 1 _b	Height adjustment not available Height adjustment available
ps (pressure set values)	0 _b 1 _b	Pressure set values not available Pressure set values available
f1, f2, f3 (auxiliary function)	0 _b 1 _b	Auxiliary function not available Auxiliary function available
lc (load control)	0 _b 1 _b	Load controller not available Load controller available
ada (automatic diameter adaptation)	0 _b 1 _b	automatic diameter adaptation not available automatic diameter adaptation available
r (reserved)	Reserved; always 0	

Table 39 — Object description

Attribute	Value
Index	6010 _h
Name	Configuration word
Object code	VAR
Data type	UNSIGNED32
Category	Mandatory

Table 40 — Entry description

Attribute	Value
Sub-index	00 _h
Access	ro
PDO mapping	No
Value range	See Table 38
Default value	No

6.14 Object 6020_h: Control word

This object shall indicate the commands transmitted by the master-extruder. The master-extruder shall set the bits to 1_b if the corresponding button is pressed but not shorter than 100 ms.

Figure 2 specifies the object structure and Table 41 defines the values. Table 42 specifies the object description and Table 43 specifies the entry description.

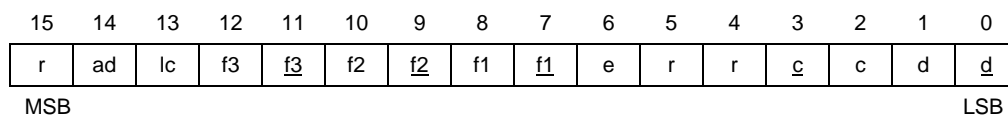


Figure 2 — Object structure

Table 41 — Value definition

Signal	Value	Definition
d (drive stop)	0 _b 1 _b	No command (default value) Stop drive (start prevention)
d (drive start)	0 _b 1 _b	No command (default value) Start drive
c (clamp open)	0 _b 1 _b	No command (default value) Open clamp (close prevention)
c (clamp close)	0 _b 1 _b	No command (default value) Close clamp
e (extruder run)	0 _b 1 _b	Extruder stopped (default value) Extruder is running
f1, f2, f3 (function stop)	0 _b 1 _b	No command (default value) Stop function (start prevention)
f1, f2, f3 (function start)	0 _b 1 _b	No command (default value) Start function
lc (load controller mode)	0 _b 1 _b	Load controller off (default value) Load controller on
ad (automatic diameter adaptation)	0 _b 1 _b	Disable automatic diameter adaptation (NOTE1) Enable automatic diameter adaptation (NOTE2)
r (reserved)	Reserved; always 0	
NOTE1 The extruder disables the automatic diameter adaption. Track position is not adjusted automatically. Only local manual movement is allowed.		
NOTE2 The extruder enables the automatic diameter adaption function (ON also during constant diameter). Track position change is executed according to the settings of object 6009 _h if used. If object 6009 _h is not used (set obj6009 ^h sub00 = 0) the track position is changed locally by the saw.		

Table 42 — Object description

Attribute	Value
Index	6020 _h
Name	Control word
Object code	VAR
Data type	UNSIGNED16
Category	Mandatory

Table 43 — Entry description

Attribute	Value
Sub-index	00 _h
Access	rw
PDO mapping	Default
Value range	See Table 41
Default value	See Table 41

6.15 Object 6030_h: Status word

This object shall provide the status transmitted to the master-extruder. The puller downstream device shall set the bits to 1_b if the corresponding button is pressed but not shorter than 100 ms.

The *speed set mode (sm)* signal shall indicate if the puller takes the *speed set value* object (remote mode) as defined in clause 6.3 or if the puller adjusts the speed locally (local mode). In local mode, the puller reports its speed set by the *puller speed set echo* object (see clause 6.5).

Figure 3 specifies the object structure and Table 44 defines the values. Table 45 specifies the object description and Table 46 specifies the entry description.

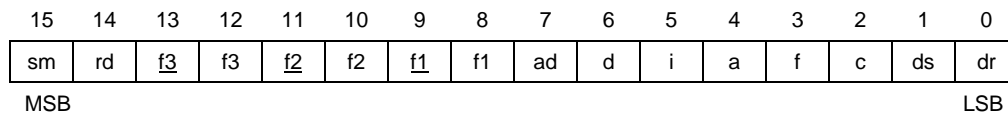


Figure 3 — Object structure

Table 44 — Value definition

Signal	Value	Definition
dr (drive run)	0 _b 1 _b	Drive is not running (drive controller disabled) (see Note 1) Drive is running (drive controller enabled) (see Note 2)
ds (drive ready to start)	0 _b 1 _b	Drive is not ready to start Drive is ready to start
c (clamp closed)	0 _b 1 _b	Clamp opened Clamp closed
f (fault downstream equipment)	0 _b 1 _b	No fault Fault (puller switched-off and start prevention of puller)
a (alarm downstream equipment)	0 _b 1 _b	No alarm Alarm (puller not switched-off, puller start still permitted)
i (increase set value)	0 _b 1 _b	No request Increase speed request (Example: Is the signal shorter than 1 s only one step takes place. A longer signal activates one step and after the first second the selected ramp is used to increase the speed)
d (decrease set value)	0 _b 1 _b	No request Decrease speed request (Example: Is the signal shorter than 1 s only one step takes place. A longer signal activates one step and after the first second the selected ramp is used to decrease the speed)
rd (reverse direction)	0 _b 1 _b	Normal direction Reverse direction
f1, f2, f3 (function run)	0 _b 1 _b	Function is not running Function is running
f1, f2, f3 (function ready to start)	0 _b 1 _b	Function is blocked Function is ready to start
sm (speed set mode)	0 _b 1 _b	Remote mode Local mode
ad (automatic diameter adaptation)	0 _b 1 _b	automatic diameter adaptation disabled automatic diameter adaptation enabled
NOTE 1 Independent of the actual speed.		
NOTE 2 Independent of the speed settings.		

Table 45 — Object description

Attribute	Value
Index	6030 _h
Name	Status word
Object code	VAR
Data type	UNSIGNED16
Category	Mandatory

Table 46 — Entry description

Attribute	Value
Sub-index	00 _h
Access	ro
PDO mapping	Default
Value range	See Table 44
Default value	No

6.16 Object 6031_h: Actual tracks diameter

This object shall provide the actual tracks diameter values to the master-extruder. The values shall be given in 0,1 mm.

Table 47 specifies the object description and Table 48 specifies the entry description.

Table 47 — Object description

Attribute	Value
Index	6031 _h
Name	Actual tracks diameter
Object code	ARRAY
Data type	INTEGER16
Category	Optional

Table 48 — Entry description

Attribute	Value
Sub-index	00 _h
Description	Highest sub-index supported
Entry category	Mandatory
Access	const
PDO mapping	No
Value range	01 _h to 0A _h
Default value	Manufacturer-specific

Attribute	Value
Sub-index	01 _h
Description	Diameter 1
Entry category	Mandatory
Access	ro
PDO mapping	Optional
Value range	INTEGER16
Default value	No
to	
Sub-index	02 _h
Description	Diameter 2
Entry category	Optional
Access	ro
PDO mapping	Optional
Value range	INTEGER16
Default value	No
to	
Sub-index	0A _h
Description	Diameter 10
Entry category	Optional
Access	ro
PDO mapping	Optional
Value range	INTEGER16
Default value	No

6.17 Object 6032_h: Maximum pressure

This object shall provide the device's maximum pressure. The value shall be given in 0,1Bar.

Table 49 specifies the object description and Table 50 specifies the entry description.

Table 49 — Object description

Attribute	Value
Index	6032 _h
Name	Maximum pressure
Object code	VAR
Data type	UNSIGNED16
Category	Optional

Table 50 — Entry description

Attribute	Value
Sub-index	00 _h
Access	ro
PDO mapping	No
Value range	UNSIGNED16
Default value	No

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