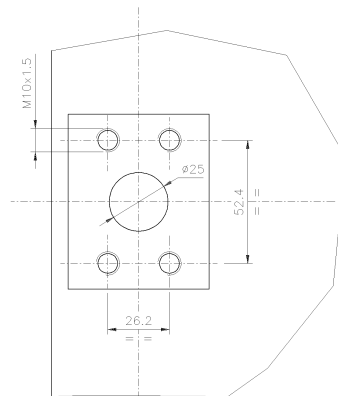
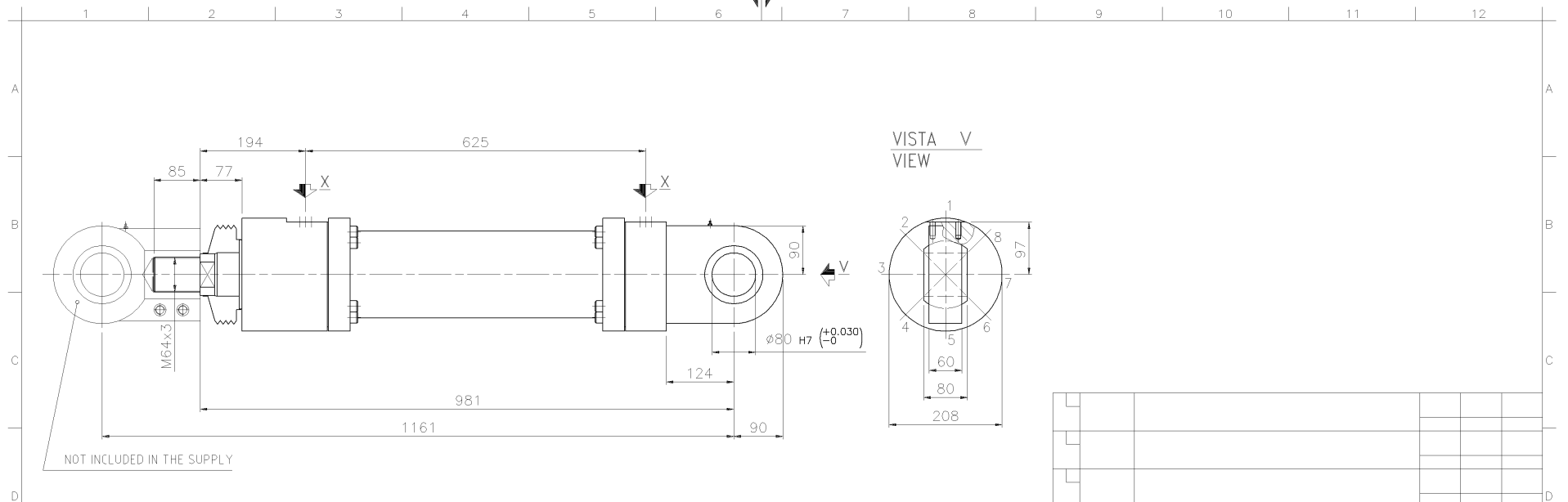




NOT INCLUDED IN THE
SCOPE OF SUPPLY

ACCESSORI/ACCESSORIES:

[illegible]



NOT INCLUDED IN THE SUPPLY

CILINDRO OLEODINAMICO SERVIZIO PESANTE - PRESSIONE NOMINALE 250 BAR
HYDRAULIC CYLINDER HEAVY DUTY - NOMINAL PRESSURE 250 BAR

PRESSIONE DI SISTEMA:
SYSTEM PRESSURE:

200 BAR

PRESSIONE DI ESERCIZIO:
OPERATING PRESSURE:

140 BAR

ALESAGGIO:
BORE:

125 mm

DIAMETRO STELO:
ROD DIAMETER:

80 mm

CORSA:
STROKE:

420 mm

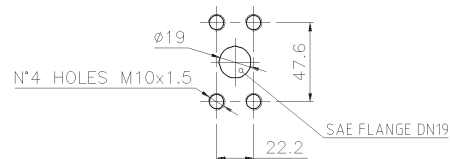
FLUIDO UTILIZZATO: QUINTOLUBRIC 822-220
OPERATING MEDIUM:

POSIZ. ATTACCHI: CONN. LOCATIONS:	AMMORTIZZAMENTO DAMPING	SFIATO ARIA VENTING	VALV.NON RITORNO CHECK VALVE	ATTACCO MANDATA DELIVERY CONN.
LATO CULATTA BOTTOM SIDE	7	3	6	1
LATO STELO PISTON ROD SIDE	7	3	6	1

NOTE/REMARKS:
APPROVIGIONAMENTO SECONDO NORMA DANIELI 2.8.011
PURCHASING AS PER DANIELI STANDARD 2.8.011
DIMENSIONI E TIPI SECONDO ISO 6022 E DIN 24333
DIMENSIONS & STYLES AS PER ISO 6022 & DIN 24333

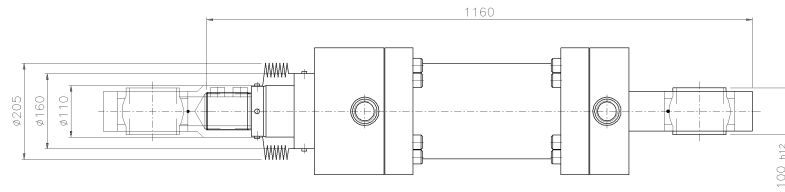
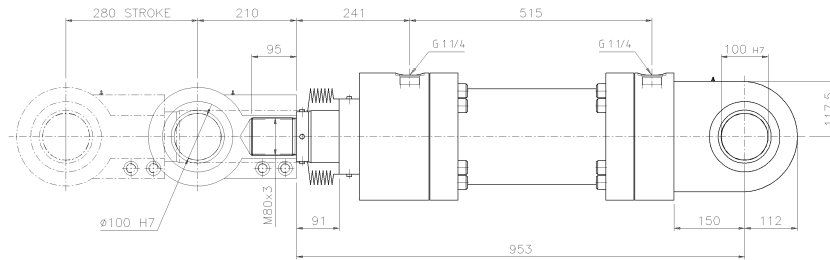
VISTA X
VIEW

Scale: 1:2



HYDRAULIC CYLINDER TYPE MMA STYLE MP5
MANUFACTURE: PARKER OR EQUAL
SPECIAL ACCESSORIES: BELLOW ALLUMIZED FIBER GLASS FABRIC

00	05.08.04	EMESSO PER COSTRUZIONE ISSUED FOR CONSTRUCTION	LEWANDR.MELCHIORI	SANDRIN
Rev.	Date	Revisions description	Drawn	Checked
Job No.		No. of parts	Progr. No.	
Pattern DB.		Pattern code	Unit	Item
Material		DAL COMMERCIO FROM TRADE	Heat treatment	
Classification / symbol		02916	Mass (Kg)	J=m.s ² (Kg m ²)
Title		CILINDRO IDRAULICO HYDRAULIC CYLINDER		
DANIELI drw-number		4.827644.T		
Revision		Nr. of sheets		
00		001		
Sheet		001		
According to law DANIELI & C. SpA considers this document to be a company secret and therefore prohibits any person to reproduce it or make it known in whole or in part to other parties or to competitors without specific written authorization of DANIELI's Management.				
File name: 4.827644.T-001-00				
COP15989-1 DP00038014041 J316 8.271603.X				



CILINDRO OLEODINAMICO SERVIZIO PESANTE - PRESSIONE NOMINALE 250 BAR
HYDRAULIC CYLINDER HEAVY DUTY - NOMINAL PRESSURE 250 BAR

PRESSIONE DI SISTEMA: 160 BAR
SYSTEM PRESSURE:
PRESSIONE DI ESERCIZIO: 140 BAR
OPERATING PRESSURE:
ALESAGGIO: 160 mm
BORE:
DIAMETRO STELO: 110 mm
ROD DIAMETER:
CORSO: 280 mm
STROKE:

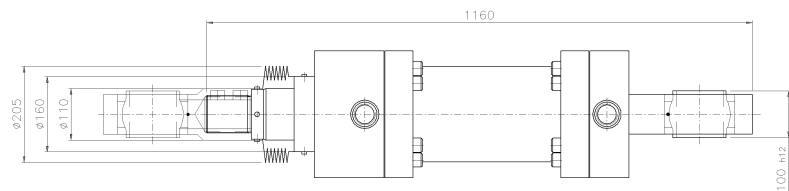
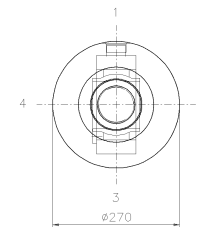
FLUIDO UTILIZZATO: OLIO MINERALE
OPERATING MEDIUM: MINERAL OIL

POSIZ. ATTACCHI: CONN. LOCATIONS:	AMMORTIZZAMENTO DAMPING	SFIATO ARIA VENTING	VALV. NON RITORNO CHECK VALVE	ATTACCO MANDATA DELIVERY CONN.
LATO CULATTA BOTTOM SIDE	4	3	2	1
LATO STELO PISTON ROD SIDE	4	3	2	1

NOTE/REMARKS:
APPROVIGIONAMENTO SECONDO NORMA DANIELI 2.8.011
PURCHASING AS PER DANIELI STANDARD 2.8.011

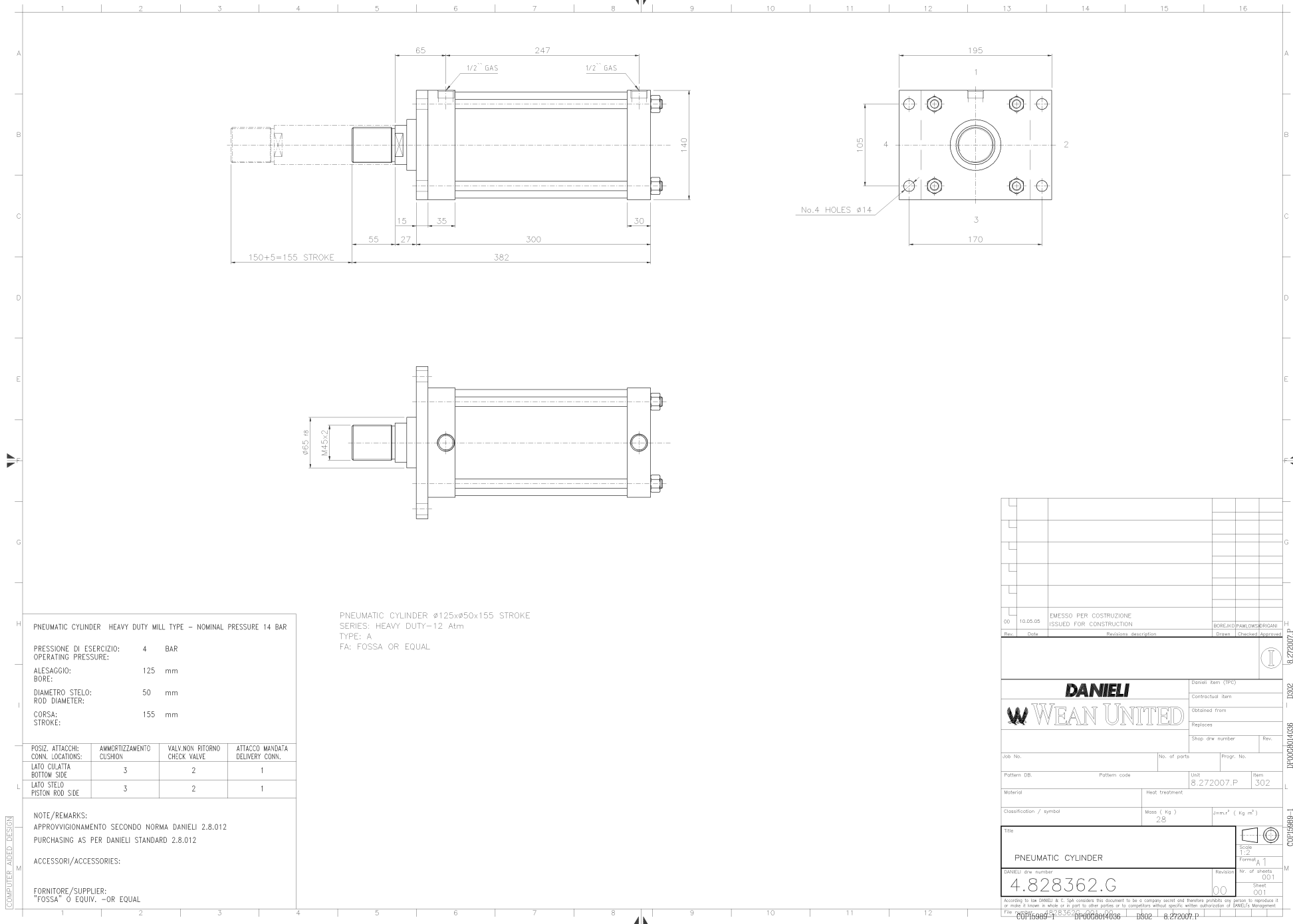
HYDRAULIC CYLINDER $\phi 160/\phi 110 \times 280$ STROKE
SERIES: MMA
TYPE: MP5
MANUFACTURER: PARKER OR EQUAL

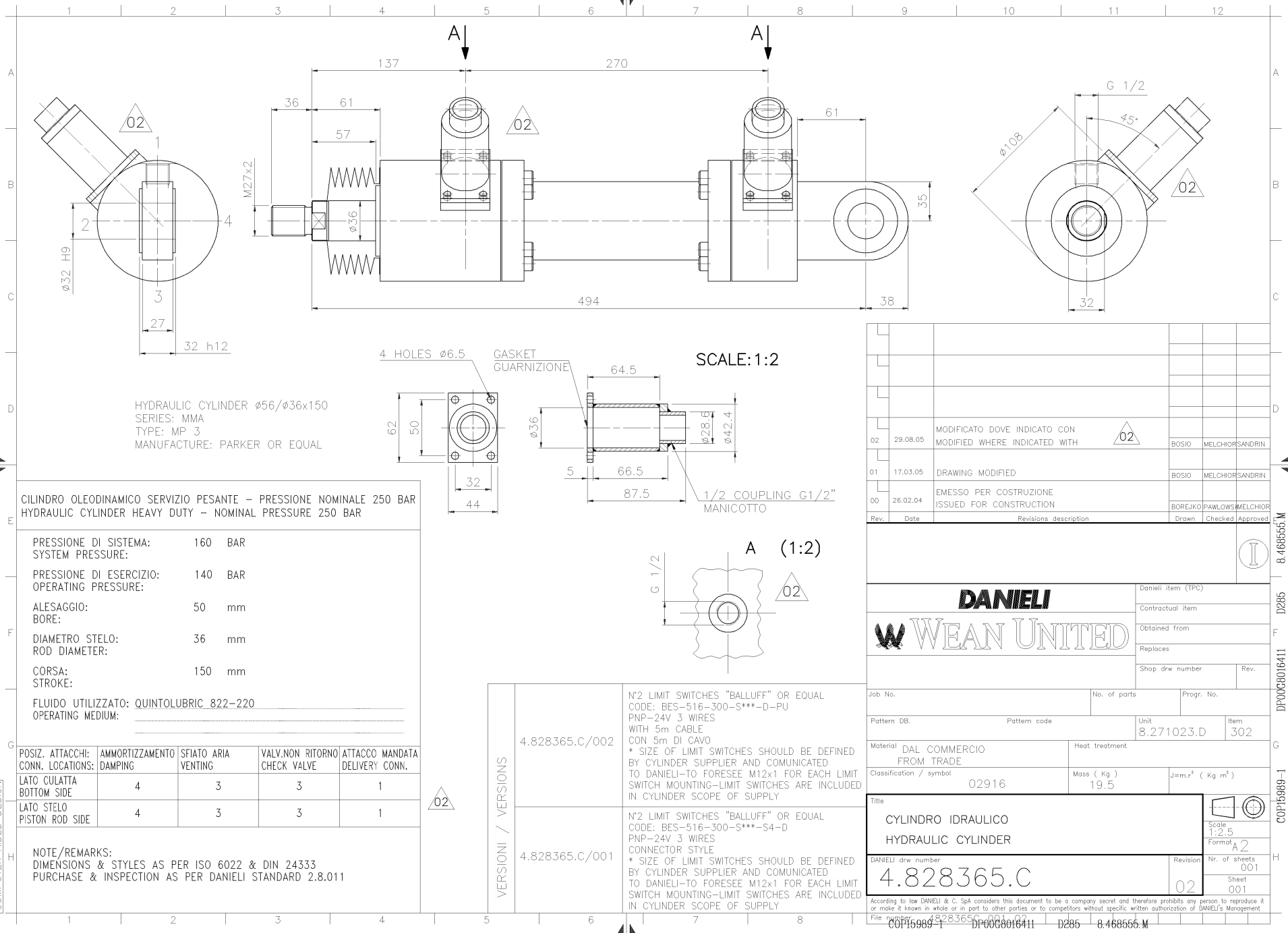
Rev.	Date	Revisions description	Drawn	Checked	Approved
00	24.02.04	EMESSO PER COSTRUZIONE ISSUED FOR CONSTRUCTION	BOREKHO PAULOWSKI	BOREKHO PAULOWSKI	BOREKHO PAULOWSKI
DANIELI WEAN UNITED Danieli Item (IPC) Contractual Item Obtained from Replaces Shop draw number Rev.					
Job No.		No. of parts	Progr. No.		
Pattern DB		Pattern code	Unit	Item	
			8.272006.N	301	
Material		Heat treatment			
FROM TRADE					
Classification / symbol		02912	Mass (kg)	25.3	Unit (kg m³)
Title CILINDRO IDRAULICO HYDRAULIC CYLINDER DANIELI draw number 4.828360.K Revision 00 Sheet 001					
According to law DANIELI & C. SpA considers this document to be a company secret and therefore prohibits any person to reproduce it or make it known in whole or in part to other parties or to competitors without specific written authorization of DANIELI Management File register: 4.828360.K CP015909-1 BP00000016411 D283 8.468555.M					

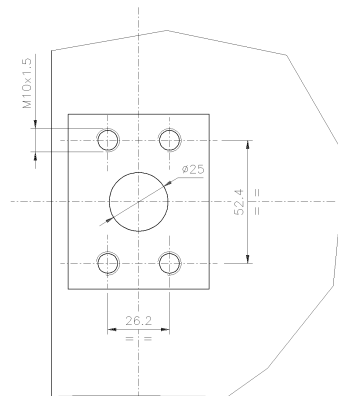


COMPUTER AIDED DESIGN

[illegible]



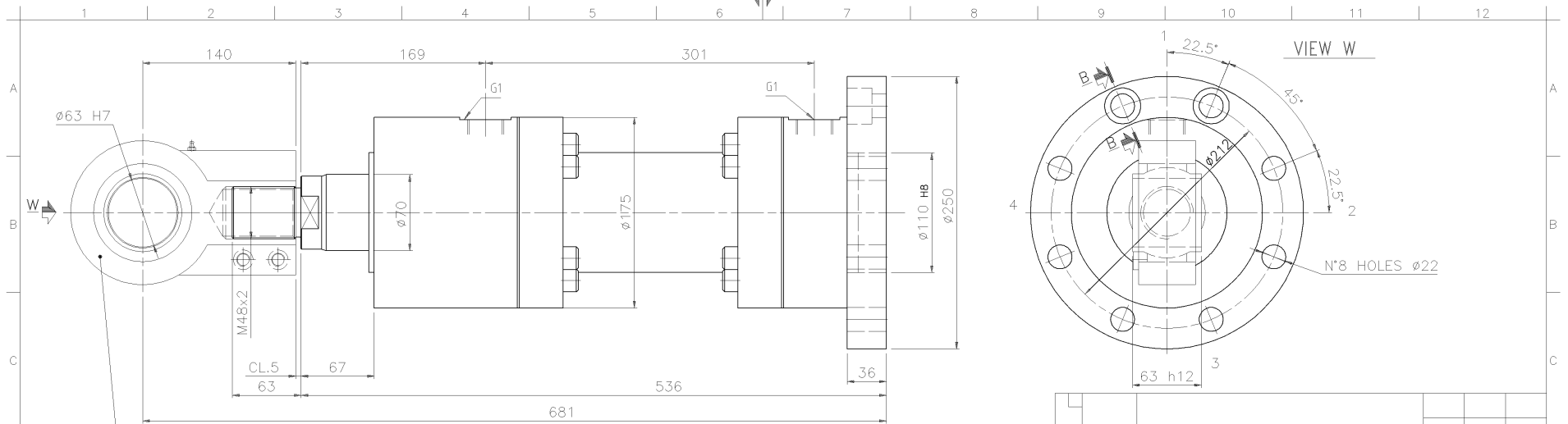




NOT INCLUDED IN THE
SCOPE OF SUPPLY

ACCESSORI/ACCESSORIES:

[illegible]



NOT INCLUDED IN THE SUPPLY

CILINDRO OLEODINAMICO SERVIZIO PESANTE - PRESSIONE NOMINALE 250 BAR
HYDRAULIC CYLINDER HEAVY DUTY - NOMINAL PRESSURE 250 BAR

PRESSIONE DI SISTEMA: 250 BAR
SYSTEM PRESSURE:

PRESSIONE DI ESERCIZIO: 140 BAR
OPERATING PRESSURE:

ALESAGGIO: 100 mm
BORE:

DIAMETRO STELO: 70 mm
ROD DIAMETER:

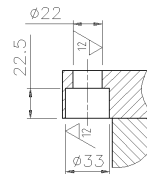
CORSA: 130 mm
STROKE:

FLUIDO UTILIZZATO: HFD-QUINTOLUBRIC 822-220
OPERATING MEDIUM:

POSIZ. ATTACCHI: CONN. LOCATIONS:	AMMORTIZZAMENTO DAMPING	SFIATO ARIA VENTING	VALV.NON RITORNO CHECK VALVE	ATTACCO MANDATA DELIVERY CONN.
LATO CULATTA BOTTOM SIDE	2	4	3	1
LATO STELO PISTON ROD SIDE	2	4	3	1

NOTE/REMARKS:
APPROVIGIONAMENTO SECONDO NORMA DANIELI 2.8.011
PURCHASING AS PER DANIELI STANDARD 2.8.011
DIMENSIONI E TIPI SECONDO ISO 6022 E DIN 24333
DIMENSIONS & STYLES AS PER ISO 6022 & DIN 24333

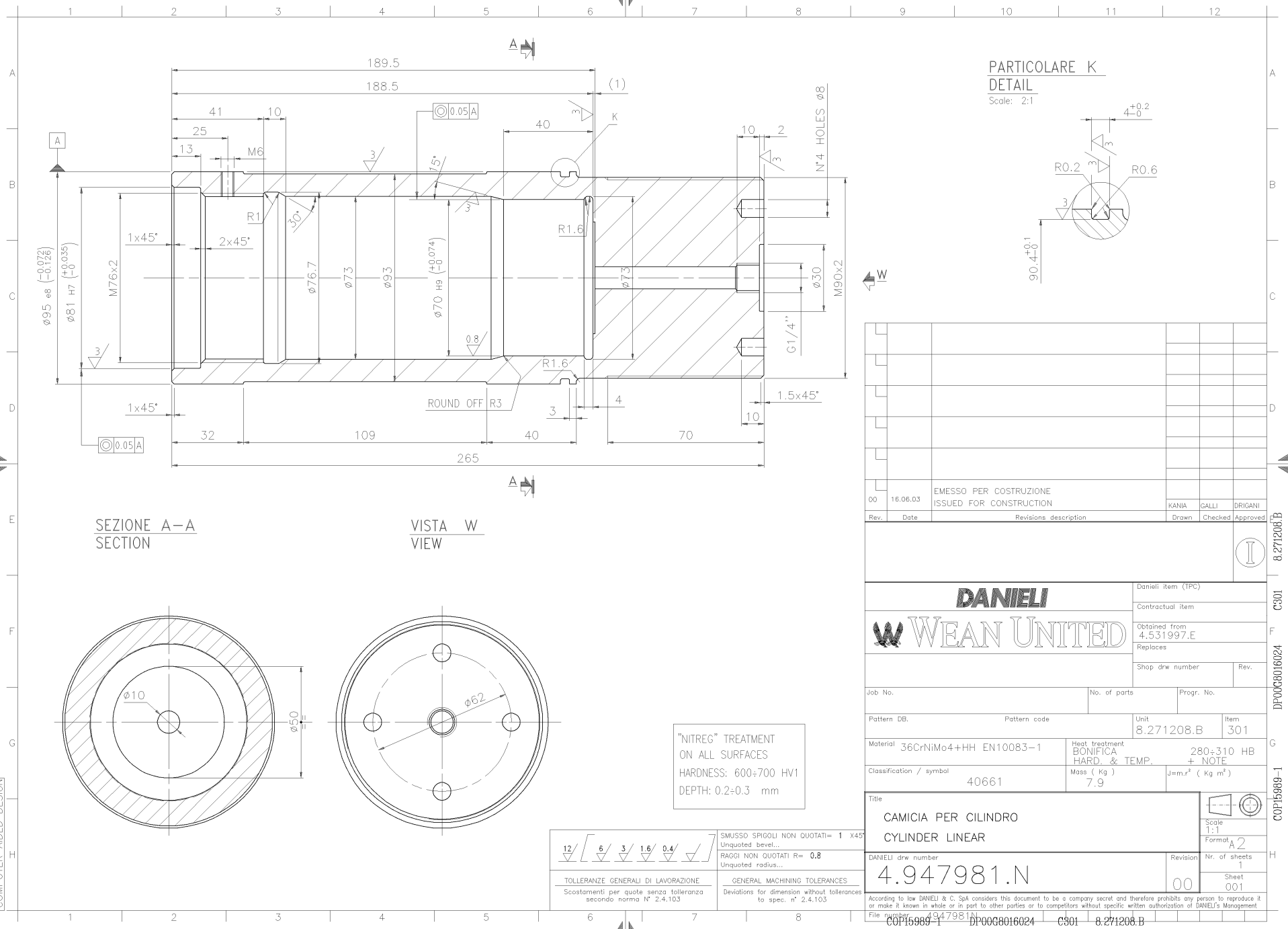
SEZIONE B-B
SECTION

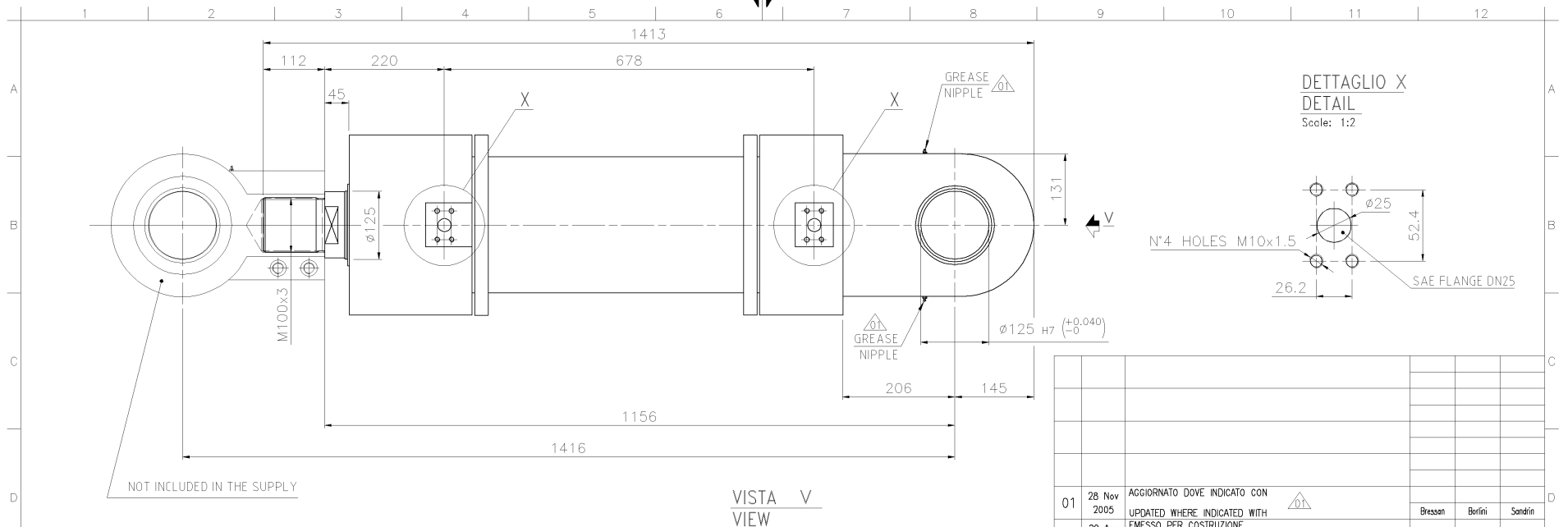


HYDRAULIC CYLINDER TYPE MMA STYLE MF4
ROUND FLANGE MOUNTINGS
MANUFACTURE: PARKER OR EQUAL

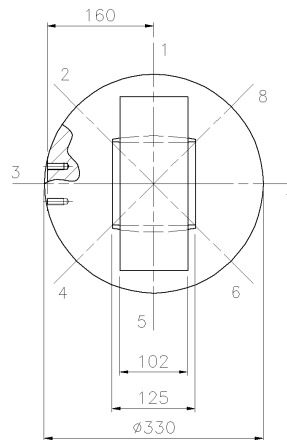
00	08.06.05	EMESSO PER COSTRUZIONE ISSUED FOR CONSTRUCTION	Bresson	BORLINI	SANDRINI
Rev.	Date	Revisions description	Drawn	Checked	Approved
DANIELI WEAN UNITED Obtained from 4.996580.K Replaces Shop drw number Rev.					
Job No.		No. of parts	Progr. No.		
Pattern DB.		Pattern code	Unit	Item	
			8.272153.M	302	
Material		DAL COMMERCIO FROM TRADE		Heat treatment	
Classification / symbol		02916		Mass (Kg) 76	
				J=m.s ² (Kg m ²)	
Title CYLINDRO IDRAULICO HYDRAULIC CYLINDER DANIELI drw number 4.830851.S Revision 00 Nr. of sheets 1 Sheet 001					
According to law DANIELI & C. SpA considers this document to be a company secret and therefore prohibits any person to reproduce it or make it known in whole or in part to other parties or to competitors without specific written authorization of DANIELI's Management. File name: 4.830851.S COP15989-1 DP00C8014501 F302 8.272153.M					

COMPUTER AIDED DESIGN





VISTA V
VIEW



CILINDRO OLEODINAMICO SERVIZIO PESANTE - PRESSIONE NOMINALE 250 BAR
HYDRAULIC CYLINDER HEAVY DUTY - NOMINAL PRESSURE 250 BAR

PRESSIONE DI SISTEMA:
SYSTEM PRESSURE:

200 BAR

PRESSIONE DI ESERCIZIO:
OPERATING PRESSURE:

140 BAR

ALESAGGIO:
BORE:

200 mm

DIAMETRO STELO:
ROD DIAMETER:

125 mm

CORSA:
STROKE:

400 mm

FLUIDO UTILIZZATO: OLIO MINERALE
OPERATING MEDIUM: MINERAL OIL

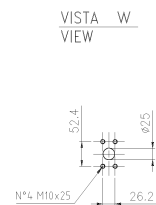
POSIZ. ATTACCHI: CONN. LOCATIONS:	AMMORTIZZAMENTO DAMPING	SFIATO ARIA VENTING	VALV.NON RITORNO CHECK VALVE	ATTACCO MANDATA DELIVERY CONN.
LATO CULATTA BOTTOM SIDE	1	7	8	3
LATO STELO PISTON ROD SIDE	1	7	8	3

NOTE/REMARKS:
APPROVIGIONAMENTO SECONDO NORMA DANIELI 2.8.011
PURCHASING AS PER DANIELI STANDARD 2.8.011
DIMENSIONI E TIPI SECONDO ISO 6022 E DIN 24333
DIMENSIONS & STYLES AS PER ISO 6022 & DIN 24333

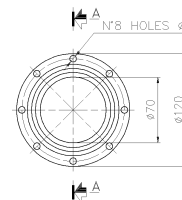
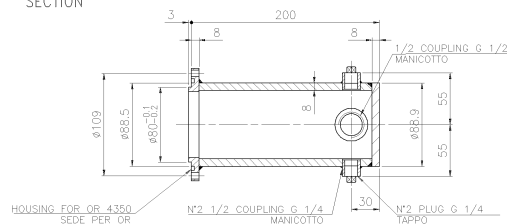
MANUFACTURE: PARKER OR EQUAL
HYDRAULIC CYLINDER TYPE MMA STYLE MP5

01	28 Nov 2005	AGGIORNATO DOVE INDICATO CON UPDATED WHERE INDICATED WITH EMESSO PER COSTRUZIONE ISSUED FOR CONSTRUCTION	Bressan	Borlini	Sandrin
00	29 Apr 2003		Kania	Calli	Origani
Rev.	Date	Revisions description	Drawn by	Checked by	Approved by
Material 1 (where not indicated on drawing) MAT.L FROM TRADE As per Supplier					
Material 2					
Material 3					
Heat Treatment					
On Drawing Symbol, if required,					
Coating					
On Drawing Symbol, if required,					
Unquoted radius (mm)	Unquoted bevels (mm)	Dimensions without tolerance as per	Machinings	Max. Welding Class	
Project Name					
			Job nr Obtained from Replaces		
			Family code/Machine code Weight (Kg)		
Title CILINDRO IDRAULICO HYDRAULIC CYLINDER			02916 465 (Kg/m ³)		
DANIELI Shop number 4.950753.P			Revision 01		
DANIELI diag number			Revision 001		
According to law DANIELI & C. SpA considers this document to be a company secret and therefore prohibits any person to reproduce or disclose it or make it known in whole or in part to other parties or to competitors without specific written authorization of DANIELI's Management					
File nr					

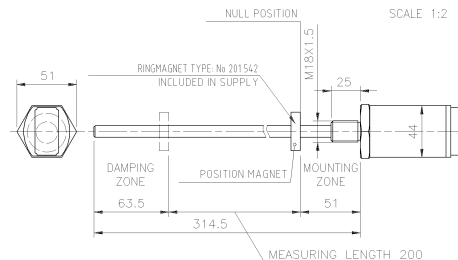
COP15989-1 DP00G8016411 D407 8.468555.M



DETAIL OF LINEAR TRANSDUCER GUARD
PROTECTION - IP67
SCALE 1:2.5



DETTAGLIO TRASDUTTORE LINEARE TEMPOSONIC
DETAIL OF LINEAR TRANSDUCER TEMPOSONIC



NOTE/REMARKS:
APPROVIGIONAMENTO SECONDO NORMA DANIELI 2.8.011
PURCHASING AS PER DANIELI STANDARD 2.8.011

VERSION I / VERSIONS	4.976588.S/002	HYDRAULIC CYLINDER WITH PROVISION FOR LINEAR TRANSDUCER "TEMPOSONIC III" MOD. RH-M-020M-070-1-S1G11 AND RELEVANT MAGNET. MAGNET INCLUDED IN THE SCOPE OF SUPPLY TRANSDUCER NOT INCLUDED IN THE SCOPE OF SUPPLY
	4.976588.S/001	HYDRAULIC CYLINDER SUPPLIED WITH LINEAR TRANSDUCER "TEMPOSONIC III" MOD. RH-M-020M-070-1-S1G11; RELEVANT MAGNET AND CONNECTOR. TRANSDUCER, MAGNET AND CABLE (LENGTH 10m) WITH CONNECTOR ALREADY INSTALLED AND TESTED (CONNECTOR: TYPE 2, POLES = MTS-ST, C00131007)

00	11.11.04	EMESSO PER COSTRUZIONE ISSUED FOR CONSTRUCTION	BOSSO	MILCHIORISANDRINI
Rev.	Date	Revisions description	Drawing	Checked/Approved





Danieli Item (EPC)

Contracted Item

Obtained from
4.951284.W
Replaces

Shop draw number

Rev.

Job No.

No. of parts

Progr. No.

Pattern DB

Pattern code

Unit

Item

Material
DAL COMERCIO
FROM TRADE

Heat treatment

Mass (Kg)

Unit

Item

Classification / symbol

02916

Mass (Kg)

328

Dim. (Kg m³)

Size

CILINDRO IDRAULICO
HYDRAULIC CYLINDER

DANIELI draw number

4.976588.S



Scale
1:10

Format A

Revision

Nr. of sheets

Sheet

001

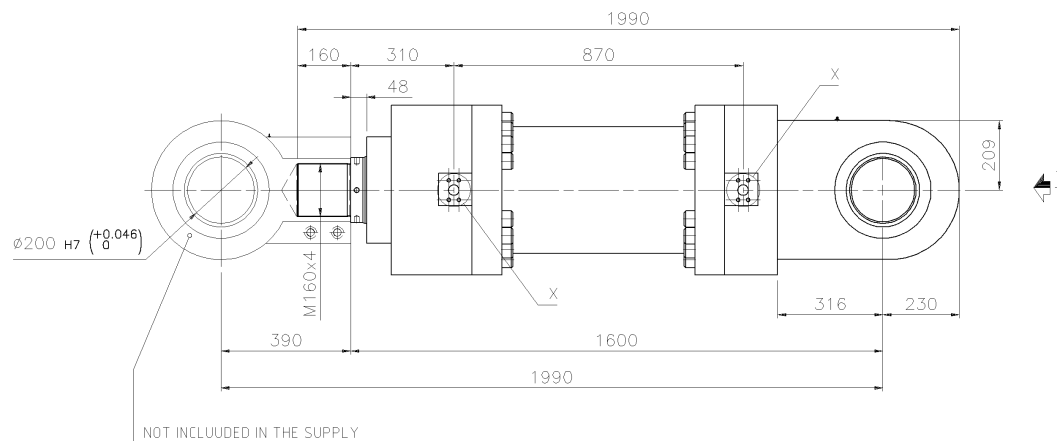
According to law DANIELI & C. SpA considers this document to be a company secret and therefore prohibits any person to reproduce it or make it known in whole or in part to other parties or to competitors without specific written authorization of DANIELI Management

Firma 2015/06/03 17:55:58

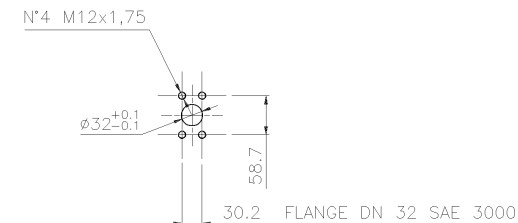
000000016411

D492

B 468555 M



DETTAGLIO X
DETAIL
Scale: 1:5



CILINDRO OLEODINAMICO SERVIZIO PESANTE – PRESSIONE NOMINALE 250 BAR
HYDRAULIC CYLINDER HEAVY DUTY – NOMINAL PRESSURE 250 BAR

PRESSIONE DI SISTEMA:
SYSTEM PRESSURE:

160 BAR

PRESSIONE DI ESERCIZIO:
OPERATING PRESSURE:

140 BAR

ALESAGGIO:
BORE:

320 mm

DIAMETRO STELO:
ROD DIAMETER:

200 mm

CORSA:
STROKE:

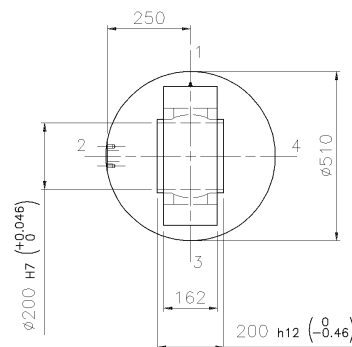
520 mm

FLUIDO UTILIZZATO: HFD-QUINTOLUBRIC 822-220
OPERATING MEDIUM:

POSIZ. ATTACCHI: CONN. LOCATIONS:	AMMORTIZZAMENTO DAMPING	SFIATO ARIA VENTING	VALV.NON RITORNO CHECK VALVE	ATTACCO MANDATA DELIVERY CONN.
LATO CULATTA BOTTOM SIDE	4	1	3	2
LATO STELO PISTON ROD SIDE	4	1	3	2

NOTE/REMARKS:
APPROVIGIONAMENTO SECONDO NORMA DANIELI 2.8.011
PURCHASING AS PER DANIELI STANDARD 2.8.011
DIMENSIONI E TIPI SECONDO ISO 6022 E DIN 24333
DIMENSIONS & STYLES AS PER ISO 6022 & DIN 24333

VISTA V
VIEW

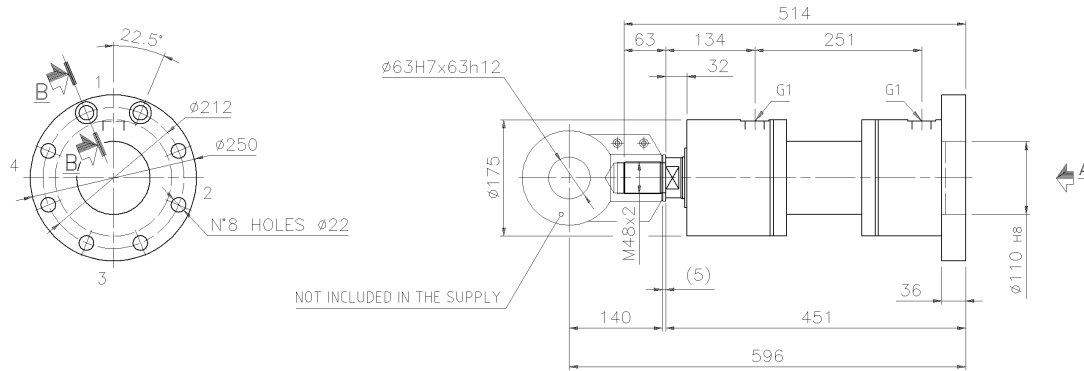


HYDRAULIC CYLINDER TYPE: MMA
STYLE: MP5-320/200x520
MANUF.: PARKER OR EQUAL

00	31.08.04	EMESSO PER COSTRUZIONE ISSUED FOR CONSTRUCTION	ROJ	PAWLOW	MELCHIOR
Rev.	Date	Revisions description	Drawn	Checked	Approved
8.468555.M					
DANIELI WEAN UNITED			Danieli item (TPC) Contractual item Obtained from Replaces Shop drw number Rev.		
Job No.		No. of parts	Progr. No.		
Pattern DB.		Pattern code	Unit	Item	
			8.295068.K	304	
Material		DAL COMMERCIO FROM TRADE		Heat treatment	
Classification / symbol		02916		Mass (Kg)	J=m.r ² (Kg m ²)
				1560	
Title CYLINDRO IDRAULICO HYDRAULIC CYLINDER Scale 1:10 Format A2					
DANIELI drw number 4.996563.M				Revision	Nr. of sheets
				00	1
				Sheet	001
According to law DANIELI & C. SpA considers this document to be a company secret and therefore prohibits any person to reproduce it or make it known in whole or in part to other parties or to competitors without specific written authorization of DANIELI's Management. File number: 4996563.M					
COP15989-1 D540 8.468555.M					

COMPUTER AIDED DESIGN

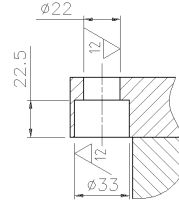
VISTA A
VIEW



NOT INCLUDED IN THE SUPPLY

SEZIONE B-B
SECTION

Scale: 1:2



CILINDRO OLEODINAMICO SERVIZIO PESANTE - PRESSIONE NOMINALE 250 BAR
HYDRAULIC CYLINDER HEAVY DUTY - NOMINAL PRESSURE 250 BAR

PRESSIONE DI SISTEMA:
SYSTEM PRESSURE:

200 BAR

PRESSIONE DI ESERCIZIO:
OPERATING PRESSURE:

140 BAR

ALESAGGIO:
BORE:

100 mm

DIAMETRO STELO:
ROD DIAMETER:

63 mm

CORSA:
STROKE:

80 mm

FLUIDO UTILIZZATO: HFD-QUINTOLUBRIC 822-220
OPERATING MEDIUM:

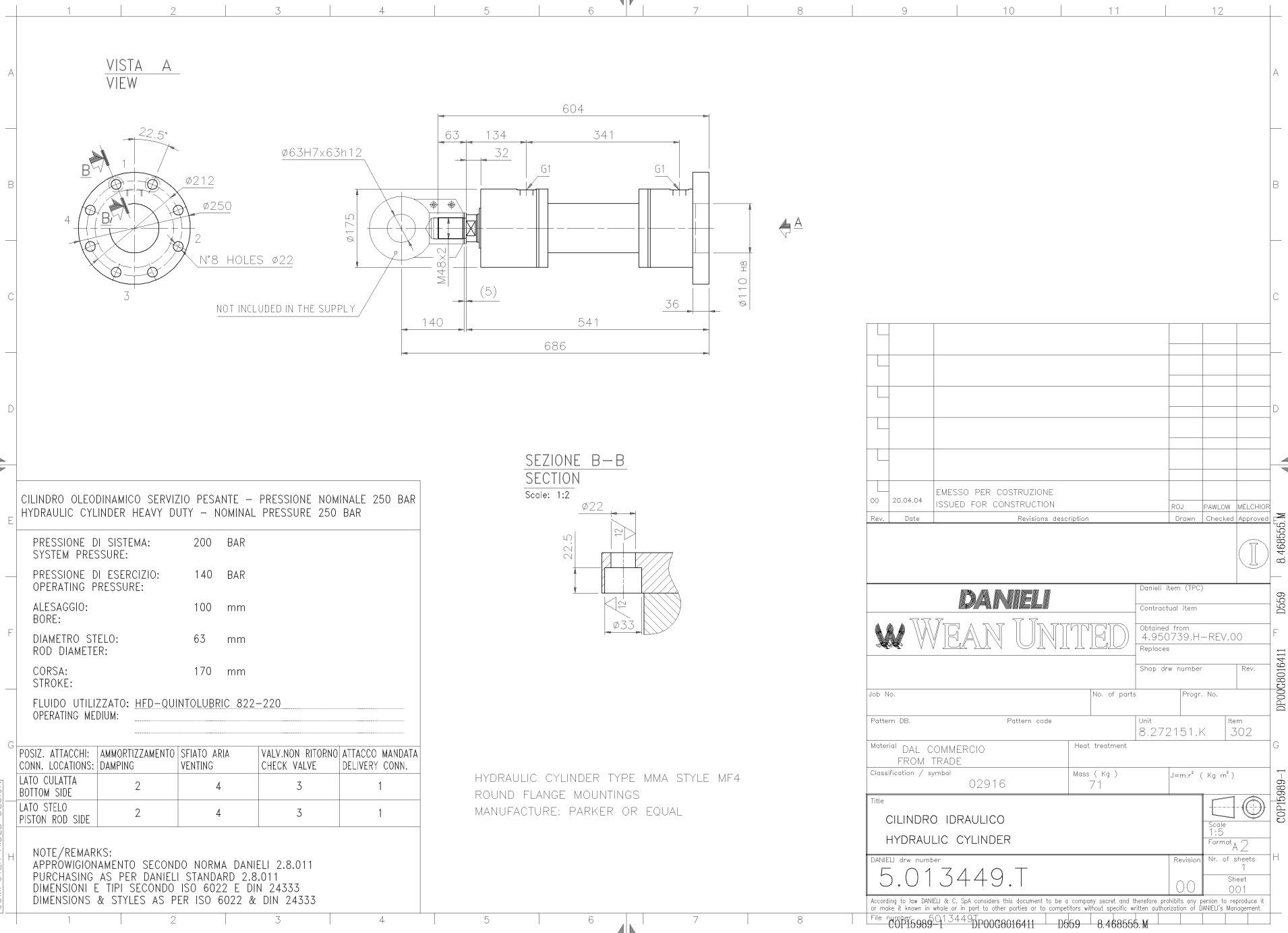
POSIZ. ATTACCHI: CONN. LOCATIONS:	AMMORTIZZAMENTO DAMPING	SFIATO ARIA VENTING	VALV.NON RITORNO CHECK VALVE	ATTACCO MANDATA DELIVERY CONN.
LATO CULATTA BOTTOM SIDE	2	4	3	1
LATO STELO PISTON ROD SIDE	2	4	3	1

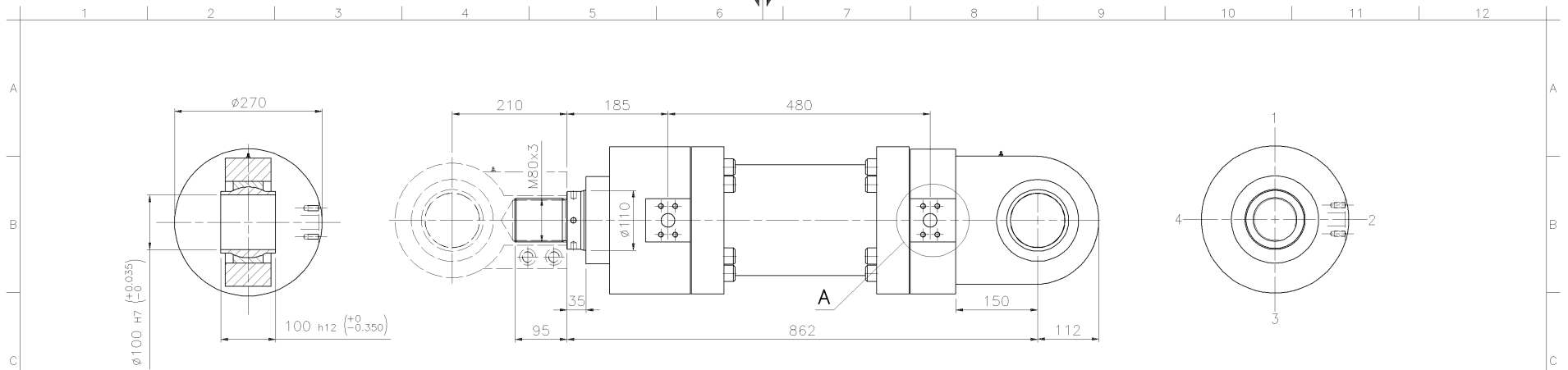
NOTE/REMARKS:
APPROVIGIONAMENTO SECONDO NORMA DANIELI 2.8.011
PURCHASING AS PER DANIELI STANDARD 2.8.011
DIMENSIONI E TIPI SECONDO ISO 6022 E DIN 24333
DIMENSIONS & STYLES AS PER ISO 6022 & DIN 24333

HYDRAULIC CYLINDER TYPE MMA STYLE MF4
ROUND FLANGE MOUNTINGS
MANUFACTURE: PARKER OR EQUAL

00	20.04.04	EMESSO PER COSTRUZIONE ISSUED FOR CONSTRUCTION	ROJ	PAWLOW	MELCHIOR
Rev.	Date	Revisions description	Drawn	Checked	Approved
DANIELI WEAN UNITED Danieli item (TPC) Contractual item Obtained from 4.950770.V-REV.00 Replaces Shop drw number Rev.					
Job No.		No. of parts	Progr. No.		
Pattern DB.		Pattern code	Unit	Item	
			8.272151.K	301	
Material		Heat treatment			
DAL COMMERCIO FROM TRADE					
Classification / symbol		Mass (Kg)	J=m.s ² (Kg m ²)		
02916		67			
Title CILINDRO IDRAULICO HYDRAULIC CYLINDER					
DANIELI drw number				Revision	Nr. of sheets
5.013448.S				00	001
				Sheet	001
According to law DANIELI & C. SpA considers this document to be a company secret and therefore prohibits any person to reproduce it or make it known in whole or in part to other parties or to competitors without specific written authorization of DANIELI's Management.					
File name	5.013448.S				
COP15989-1	DP00C8016411	D558	8.468555.M		

COMPUTER AIDED DESIGN





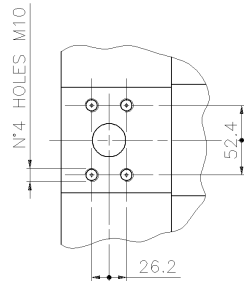
CILINDRO OLEODINAMICO - PRESSIONE NOMINALE 250 BAR - SERIE ISO 6022
HYDRAULIC CYLINDER - NOMINAL PRESSURE 250 BAR - SERIES ISO 6022

PRESSIONE DI SISTEMA: 160 BAR
SYSTEM PRESSURE:
PRESSIONE DI ESERCIZIO: 130 BAR
OPERATING PRESSURE:
ALESAGGIO: 160 mm
BORE:
DIAMETRO STELO: 110 mm
ROD DIAMETER:
CORSA: 245 mm
STROKE:
FLUIDO UTILIZZATO: HFD-QUINTOLUBRIC 822-220
OPERATING MEDIUM:
ATTACCHI: 4 BOLT-FLANGE SAE 3000 PSI - DN25
CONNECTION:
CONSTRUTTORE: PARKER 160/110-245 MP5 - MMA
O EQUIVALENTE
MANUFACTURE: PARKER 160/110-245 MP5 - MMA
OR EQUAL

POSIZ. ATTACCHI: CONN. LOCATIONS:	AMMORTIZZAMENTO CUSHION	SFIATO ARIA VENTING	VALV.NON RITORNO CHECK VALVE	ATTACCO MANDATA DELIVERY CONN.
LATO CULATTA BOTTOM SIDE	4	1	1	2
LATO STELO PISTON ROD SIDE	4	1	1	2

NOTE/REMARKS:
APPROVVIGIONAMENTO SECONDO NORMA DANIELI 2.8.011
PURCHASING AS DANIELI STANDARD 2.8.011

DETAIL A (1:2.5)



00	16.11.05	EMESSO PER COSTRUZIONE ISSUED FOR CONSTRUCTION	Borejka	Pawlowski	Melchior
Rev.	Date	Revisions description	Drawn	Checked	Approved
DANIELI WEAN UNITED			Danieli item (TPC) Contractual item Obtained from 4.551616.S Replaces Shop drw number Rev.		
Job No.		No. of parts	Progr. No.		
Pattern DB.		Pattern code	Unit	Item	
			8.239283.N	301	
Material		Heat treatment			
DAL COMMERCIO FROM TRADE					
Classification / symbol		Massa (Kg)	J=m.s ² (Kg m ²)		
02916		240			
Title			Scale		
CYLINDRO IDRAULICO			1:5		
HYDRAULIC CYLINDER			Format A2		
DANIELI drw-number			Revision		
5.020063.X			00		
Nr. of sheets			Sheet		
1			001		
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COMPUTER AIDED DESIGN

