

INSTALLATION, OPERATION,
AND MAINTENANCE MANUAL
WITH PARTS LIST



60 SERIES PUMP

MODELS

62 1/2A1 - CH13
62 1/2A1 - CH13 S/G

THE GORMAN-RUPP COMPANY • MANSFIELD, OHIO

GORMAN-RUPP OF CANADA LIMITED • ST. THOMAS, ONTARIO, CANADA

Printed in U.S.A.

©Copyright by the Gorman-Rupp Company

Gorman Pumps Prime Parts Manual

Didier Musso



Gorman Pumps Prime Parts Manual:

Uncover the mysteries within Explore with is enigmatic creation, **Gorman Pumps Prime Parts Manual** . This downloadable ebook, shrouded in suspense, is available in a PDF format (*). Dive into a world of uncertainty and anticipation. Download now to unravel the secrets hidden within the pages.

https://staging.conocer.cide.edu/files/scholarship/default.aspx/kodak_professional_photoguide_pictures.pdf

Table of Contents Gorman Pumps Prime Parts Manual

1. Understanding the eBook Gorman Pumps Prime Parts Manual
 - The Rise of Digital Reading Gorman Pumps Prime Parts Manual
 - Advantages of eBooks Over Traditional Books
2. Identifying Gorman Pumps Prime Parts Manual
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Gorman Pumps Prime Parts Manual
 - User-Friendly Interface
4. Exploring eBook Recommendations from Gorman Pumps Prime Parts Manual
 - Personalized Recommendations
 - Gorman Pumps Prime Parts Manual User Reviews and Ratings
 - Gorman Pumps Prime Parts Manual and Bestseller Lists
5. Accessing Gorman Pumps Prime Parts Manual Free and Paid eBooks
 - Gorman Pumps Prime Parts Manual Public Domain eBooks
 - Gorman Pumps Prime Parts Manual eBook Subscription Services
 - Gorman Pumps Prime Parts Manual Budget-Friendly Options
6. Navigating Gorman Pumps Prime Parts Manual eBook Formats

- ePub, PDF, MOBI, and More
- Gorman Pumps Prime Parts Manual Compatibility with Devices
- Gorman Pumps Prime Parts Manual Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Gorman Pumps Prime Parts Manual
 - Highlighting and Note-Taking Gorman Pumps Prime Parts Manual
 - Interactive Elements Gorman Pumps Prime Parts Manual
- 8. Staying Engaged with Gorman Pumps Prime Parts Manual
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Gorman Pumps Prime Parts Manual
- 9. Balancing eBooks and Physical Books Gorman Pumps Prime Parts Manual
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Gorman Pumps Prime Parts Manual
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Gorman Pumps Prime Parts Manual
 - Setting Reading Goals Gorman Pumps Prime Parts Manual
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Gorman Pumps Prime Parts Manual
 - Fact-Checking eBook Content of Gorman Pumps Prime Parts Manual
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
- 14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

Gorman Pumps Prime Parts Manual Introduction

In this digital age, the convenience of accessing information at our fingertips has become a necessity. Whether its research papers, eBooks, or user manuals, PDF files have become the preferred format for sharing and reading documents. However, the cost associated with purchasing PDF files can sometimes be a barrier for many individuals and organizations. Thankfully, there are numerous websites and platforms that allow users to download free PDF files legally. In this article, we will explore some of the best platforms to download free PDFs. One of the most popular platforms to download free PDF files is Project Gutenberg. This online library offers over 60,000 free eBooks that are in the public domain. From classic literature to historical documents, Project Gutenberg provides a wide range of PDF files that can be downloaded and enjoyed on various devices. The website is user-friendly and allows users to search for specific titles or browse through different categories. Another reliable platform for downloading Gorman Pumps Prime Parts Manual free PDF files is Open Library. With its vast collection of over 1 million eBooks, Open Library has something for every reader. The website offers a seamless experience by providing options to borrow or download PDF files. Users simply need to create a free account to access this treasure trove of knowledge. Open Library also allows users to contribute by uploading and sharing their own PDF files, making it a collaborative platform for book enthusiasts. For those interested in academic resources, there are websites dedicated to providing free PDFs of research papers and scientific articles. One such website is Academia.edu, which allows researchers and scholars to share their work with a global audience. Users can download PDF files of research papers, theses, and dissertations covering a wide range of subjects. Academia.edu also provides a platform for discussions and networking within the academic community. When it comes to downloading Gorman Pumps Prime Parts Manual free PDF files of magazines, brochures, and catalogs, Issuu is a popular choice. This digital publishing platform hosts a vast collection of publications from around the world. Users can search for specific titles or explore various categories and genres. Issuu offers a seamless reading experience with its user-friendly interface and allows users to download PDF files for offline reading. Apart from dedicated platforms, search engines also play a crucial role in finding free PDF files. Google, for instance, has an advanced search feature that allows users to filter results by file type. By specifying the file type as "PDF," users can find websites that offer free PDF downloads on a specific topic. While downloading Gorman Pumps Prime Parts Manual free PDF files is convenient, its important to note that copyright laws must be respected. Always ensure that the PDF files you download are legally available for free. Many authors and publishers voluntarily provide free PDF versions of their work, but its essential to be cautious and verify the authenticity of the source before downloading Gorman Pumps Prime Parts Manual. In conclusion, the internet offers numerous platforms and websites that allow users to download free PDF files legally. Whether its classic literature, research papers, or magazines, there is something for everyone. The platforms mentioned in this article, such as Project Gutenberg, Open Library, Academia.edu, and Issuu, provide access to a vast collection of PDF files. However, users

should always be cautious and verify the legality of the source before downloading Gorman Pumps Prime Parts Manual any PDF files. With these platforms, the world of PDF downloads is just a click away.

FAQs About Gorman Pumps Prime Parts Manual Books

How do I know which eBook platform is the best for me? Finding the best eBook platform depends on your reading preferences and device compatibility. Research different platforms, read user reviews, and explore their features before making a choice. Are free eBooks of good quality? Yes, many reputable platforms offer high-quality free eBooks, including classics and public domain works. However, make sure to verify the source to ensure the eBook credibility. Can I read eBooks without an eReader? Absolutely! Most eBook platforms offer webbased readers or mobile apps that allow you to read eBooks on your computer, tablet, or smartphone. How do I avoid digital eye strain while reading eBooks? To prevent digital eye strain, take regular breaks, adjust the font size and background color, and ensure proper lighting while reading eBooks. What the advantage of interactive eBooks? Interactive eBooks incorporate multimedia elements, quizzes, and activities, enhancing the reader engagement and providing a more immersive learning experience. Gorman Pumps Prime Parts Manual is one of the best book in our library for free trial. We provide copy of Gorman Pumps Prime Parts Manual in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Gorman Pumps Prime Parts Manual. Where to download Gorman Pumps Prime Parts Manual online for free? Are you looking for Gorman Pumps Prime Parts Manual PDF? This is definitely going to save you time and cash in something you should think about. If you trying to find then search around for online. Without a doubt there are numerous these available and many of them have the freedom. However without doubt you receive whatever you purchase. An alternate way to get ideas is always to check another Gorman Pumps Prime Parts Manual. This method for see exactly what may be included and adopt these ideas to your book. This site will almost certainly help you save time and effort, money and stress. If you are looking for free books then you really should consider finding to assist you try this. Several of Gorman Pumps Prime Parts Manual are for sale to free while some are payable. If you arent sure if the books you would like to download works with for usage along with your computer, it is possible to download free trials. The free guides make it easy for someone to free access online library for download books to your device. You can get free download on free trial for lots of books categories. Our library is the biggest of these that have literally hundreds of thousands of different products categories represented. You will also see that there are specific sites catered to different product types or categories, brands or niches related with Gorman Pumps Prime Parts Manual. So depending on what exactly you are searching, you will be able to choose e books to suit your own need. Need to access completely for Campbell Biology Seventh Edition book? Access Ebook without any digging. And by having access to our

ebook online or by storing it on your computer, you have convenient answers with Gorman Pumps Prime Parts Manual To get started finding Gorman Pumps Prime Parts Manual, you are right to find our website which has a comprehensive collection of books online. Our library is the biggest of these that have literally hundreds of thousands of different products represented. You will also see that there are specific sites catered to different categories or niches related with Gorman Pumps Prime Parts Manual So depending on what exactly you are searching, you will be able to choose ebook to suit your own need. Thank you for reading Gorman Pumps Prime Parts Manual. Maybe you have knowledge that, people have search numerous times for their favorite readings like this Gorman Pumps Prime Parts Manual, but end up in harmful downloads. Rather than reading a good book with a cup of coffee in the afternoon, instead they juggled with some harmful bugs inside their laptop. Gorman Pumps Prime Parts Manual is available in our book collection an online access to it is set as public so you can download it instantly. Our digital library spans in multiple locations, allowing you to get the most less latency time to download any of our books like this one. Merely said, Gorman Pumps Prime Parts Manual is universally compatible with any devices to read.

Find Gorman Pumps Prime Parts Manual :

[kodak professional photoguide pictures](#)

kodak sv7user guide

komatsu pc20r 8 hydraulic excavator illustrated parts catalog manual

[komori press operation manual](#)

[konica c284 manual](#)

konica copier error codes

komatsu pc300lc 7 factory service repair manual

~~komatsu d155ax 6 dozer bulldozer service repair manual 80001 and up~~

[konica minolta bizhub 600 user manual](#)

kohler m16 service manual

[komatsu fb18 forklift service manual](#)

komatsu 6d170 1 series diesel engine service workshop manual

[konica c450 user manual](#)

[komatsu wa380 3 shop manual](#)

kodak zuser guide

Gorman Pumps Prime Parts Manual :

department of veterans affairs va veterans health administration vha - Aug 01 2022

web apr 7 2020 department of veterans affairs va veterans health administration vha april 8 2020 standard operating procedure sop interim guidance for acute medical management of covid 19 patients purpose and authority the purpose of this document is to outline standard guidance for the acute medical management of

vha publications veterans affairs - Jan 06 2023

web jan 19 1993 09 10 2012 manual m 1 part i chapter 21 chapter 21 authorized non va hospitalization in the u s m 1 operations part i medical administration activities 13b deputy to the aush for community care 01 12 1995 manual m 1 part i chapter 22 chapter 22 unauthorized medical services m 1 operations part i medical

department of veterans affairs - Oct 03 2022

web department of veterans affairs personnel and accounting integrated data paid user manual version 4 0 march 2018 product development march 2018 paid v 4 0 user manual time attendance i preface this manual is designed as a reference guide for payroll supervisors payroll clerks

va launchpad veterans user manual - Aug 13 2023

web u s department of veterans affairs va launchpad for veterans user manual 1 overview the department of veterans affairs va launchpad is designed to house all mobile applications apps for veterans that connect to va s electronic health record ehr and access your personal va health information

your guide to starting a virtual assistant business - May 30 2022

web it s time to consider starting your own virtual assistant va business find out how to do so via this guidebook inside this ebook you ll find an overview of what vas do and where you can fit in a step by step guide to starting up your va business marketing tips tricks to make your business credible more secrets from our experience of

vista imaging system clinical capture user manual veterans affairs - Mar 08 2023

web clinical capture user manual rev 9 11 introduction this manual explains how to configure and use the clinical capture software for image capture clinical capture is a part of the vista imaging system this manual is intended for use by clinical and administrative staff responsible for incorporating captured images

cprs health summary user manual veterans affairs - Jun 11 2023

web the health summary user manual provides information for three types of users health summary users who only need to view health summaries on a screen or in printed form

computerized patient record system cprs version veterans affairs - Oct 15 2023

web 1 1 overview the computerized patient record system cprs is a veterans health information systems and technology

architecture vista suite of application packages cprs enables you to enter review and continuously update information connected with a

va guidance documents veterans affairs - Dec 05 2022

web sep 16 2022 1 800 827 1000 health care 1 877 222 vets 8387 va inspector general 1 800 488 8244 veterans crisis line 1 800 273 8255 press 1 apply for and manage the va benefits and services you ve earned as a veteran servicemember or family member like health care disability education and more

va software document library veterans affairs - Apr 09 2023

web oct 2 2018 inbound eprescribing user manual unit 3 part 2 pso 7 617 and pso 7 670 2021 12 14 2021 12 30 docx 27 24 mb pdf 9 60 mb inbound eprescribing user manual unit 4 part 1 pso 7 617 and pso 7 670 2021 12 14 2021 12 30 docx 19 55 mb pdf 4 76 mb inbound eprescribing user manual unit 4 part 2

va online scheduling user manual - May 10 2023

web u s department of veterans affairs va online scheduling user manual 1 overview va online scheduling formerly known as the veteran appointment request var app allows veterans who are in the department of veterans affairs va health care system to self schedule and request appointments at va facilities and within the community

department of veterans affairs vistaweb version 7 user manual - Jul 12 2023

web department of veterans affairs office of information technology product development ii vistaweb version 16 1 88 2 user manual august 2016july 2015 revision history date patch page s change s project manager technical

department of veterans affairs va handbook 5005 128 march - Jun 30 2022

web march 5 2020 va handbook 5005 128 part ii appendix g35 ii g35 3 4 employees who are retained as a mrt cancer registrar under this provision and subsequently leave the occupation lose protected status and must meet the full va qualification standard requirements in effect at the time of reentry as a mrt cancer registrar d

department of veterans affairs vistaweb version 7 user manual - Sep 02 2022

web in addition this patch also makes several updates to this vistaweb user manual vistaweb version 16 1 8 2 webv 1 34 incorporates changes which include the display of c cda structured documents and displays c cda unstructured documents *vava va vd009 user manual pdf download manualslib* - Mar 28 2022

web view and download vava va vd009 user manual online 2k dual dash cam va vd009 dash cameras pdf manual download instruction manual flow sensor va 550 cs instruments - Apr 28 2022

web this instruction manual has to be available at any time at the operation site of the va 550 ensure that the va 550 operates within the permissible and listed limits on the nameplate otherwise there is a risk to human and material and it may occur functional and operational

[user guide template veterans affairs](#) - Nov 04 2022

web webgly or lgy hub will submit a case as a registered user these users include the following va internal users logging in via access va external va partners logging in via access va 2 if the user is having trouble logging in or does not currently have access to any of those va applications the user will submit a case as a guest user

va software document library veterans affairs - Sep 14 2023

web jun 16 2016 vista imaging exchange vix production operations manual pom 2023 05 19 2023 05 19 docx 336 77 kb pdf 401 92 kb vista imaging release notes 2002 03 01 2021 06 16 docx 73 09 kb pdf 271 88 kb vista imaging system background processor user manual 2018 08 28 2022 12 20 docx 5 24 mb pdf

vava va ih006bu user manual pdf download manualslib - Feb 24 2022

web view and download vava va ih006bu user manual online va ih006bu baby monitor pdf manual download also for va ih006pu

[my va health app user manual](#) - Feb 07 2023

web overview the department of veterans affairs va my va health app allows you to access your official va medical record and enter information about your health with the app you can store contact information and health and military histories as well as record your wellness goals monitor your mood and create entries about a variety of

[icm sub editing examination past papers answers](#) - May 31 2023

web simply stated the icm sub editing examination past papers answers is universally suitable with any devices to read in some cases you likewise accomplish

icm sub editing examination past papers answers - Apr 29 2023

web 2023 06 14 description of the product 100 updated with 4 shifts fully solved 2023 january april papers extensive practice no of questions physics 1000 chemistry

icm sub editing examination past papers answers 2022 - Sep 22 2022

web icm sub editing examination past papers answers oswaal isc question bank class 12 biology book 2024 exam oswaal editorial board 2023 05 12 description of the

icm sub editing examination past papers answers - Nov 12 2021

[institute of commercial management icm past exams question](#) - Dec 26 2022

web icm sub editing examination past papers answers golden education world book document id b47cafbd golden education world book icm sub editing examination

icm past papers 2023 2024 with answers download free - Oct 04 2023

web download icm past papers 2023 2024 with answers for free icm past papers 2023 2024 icm past papers december 2023
icm past papers 2018 september icm

icm sub editing examination past papers answers pdf - Jun 19 2022

web icm sub editing examination past papers answers past titanic sub passenger on danger of dive you know going in how
very dangerous this is for school and office work and

icm sub editing examination past papers answers - Jul 01 2023

web icm sub editing examination past papers answers author benno kesselman from orientation sutd edu sg subject icm sub
editing examination past papers

get the free sub editing icm past papers form pdf - Aug 02 2023

web icm sub editing examination past papers answers author reinhard schmeichel from orientation sutd edu sg subject icm
sub editing examination past papers

icm sub editing examination past papers answers medair - Oct 24 2022

web mar 13 2023 download ebook icm sub editing examination past papers answers read pdf free sqa nq past papers and
marking instructions apr 09 2020 web for

icm sub editing examination past papers answers florida - Apr 17 2022

web mar 1 2023 icm sub editing examination past papers answers yeah reviewing a ebook icm sub editing examination past
papers answers could ensue your close

icm examination past papers project management book - Dec 14 2021

icm sub editing examination past papers answers - Mar 29 2023

web download icm past papers 2018 2019 with answers for free past icm exams sub editing design past icm exams sub
editing exam preparation resources

icm sub editing examination past papers answers download - Jul 21 2022

web sub editing icm past papers check out how easy it is to complete and esign documents online using fillable templates and
a powerful editor get everything done in minutes

icm uk professional examination past questions - Feb 25 2023

web institute of commercial management icm past exams question papers find institute of commercial management icm past
papers here feel free to use all the available

downloadable free pdfs icm sub editing examination past - Mar 17 2022

web taxmann s cracker for financial reporting paper 1 fr covering past exam questions arranged sub topic wise answers

along with rtps mtps of icaai ca

icm sub editing examination past papers answers download - Jan 27 2023

web icm sub editing examination past papers answers author aaron bodenstein from orientation sutd edu sg subject icm sub editing examination past papers answers

sub editing icm past papers form signnow - May 19 2022

web icm sub editing examination past papers answers the making of the oxford english dictionary sep 17 2022 this book tells the history of the oxford english dictionary from

icm past papers and answers free download pdf answers for - Sep 03 2023

web question answer 1 c 31 a 2 e 32 a 3 a 33 c

download ebook icm sub editing examination past papers - Aug 22 2022

web mar 10 2023 exam success perfect answers with board scheme of valuation hand written toppers answers for exam oriented preparation includes solved board model

icm accounting and finance examination past papers - Jan 15 2022

web icm sub editing examination past papers answers icm sub editing examination past papers answers golden education world book document id b47cafbid golden

icm sub editing examination past papers answers - Nov 24 2022

web icm sub editing examination past papers answers 1 icm sub editing examination past papers answers all exam question papers past papers in kenya school

download free icm sub editing examination past papers answers - Feb 13 2022

web these tests provide candidates with an excellent opportunity to familiarise themselves with pet and to develop exam techniques and all round confidence using genuine past

ingenieursgrafika en ontwerp kursusse egd learning - Feb 26 2022

web oct 27 2020 die ontwerpe van william morris n kuns en kunsvlyt ontwerper

ontwerp national department of basic education - Aug 15 2023

web word aanvaar dat kandidate kennis en begrip van die inhoud het wat vir graad 10 en 11 uiteengesit word in graad 12 poog ontwerp leerders om die vermoë te ontwikkel om te kan analiseer en artikuleer vindingryk en innoverend te wees asook visuele taal te kan bou

2021 kurrikulum en assesserings herstelplanne - May 12 2023

web jan 27 2015 ingenieursgrafika en ontwerp graad 10 12 kurrikulum en assesseringsbeleidsverklaring kabv departement van basiese onderwys

antwoorde skaal 1 1 graad 10 nkabv all copy publishers - Apr 30 2022

web nov 2 2018 view gr 10 igo 02 nov 2018 memo pdf from egd 223 at university of south africa

novembereksamenmemorandum 2018 g10 ingenieursgrafika en ontwerp v2 2

ontwerp graad 10 yudu publisher - Dec 07 2022

web aug 1 2020 graad 10 s vakkeuses 2021 ingenieursgrafika en ontwerp maakdiekeuse kinderssepassie geeraad

ingenieursgrafika en ontwerp onderwysersgids vir graad 10 - Jan 08 2023

web nov 11 2020 summary ontwerp graad 10 opsomming course ontwerp institution 10 kleurvolle opsommings van die vak

ontwerp vir graad 10 preview 4 out of 21 pages

pdf ingenieursgrafika en ontwerp dokumen tips - Sep 23 2021

gr 10 igo 02 nov 2018 memo pdf - Jan 28 2022

web ingenieursgrafika en ontwerp engineering graphics gc co za vraestelle en punte indeling twee drie uur vraestelle in

graad 12 beide vraestelle tel uit 200 punte wat

ontwerp gr 10 k4 w3 wced eportal - Nov 25 2021

ingenieursgrafika en ontwerp national department - Apr 11 2023

web grade 10 pat 2021 a mechanical design project scenario many families complain about dogs are ravaging the refuse bags and spilling the rubbish a

hersieningspakket ingenieurs grafika en ontwerp gr - Feb 09 2023

web wat is ontwerp 45 module 1 kwartaal 1 n inleiding tot die wêreld van ontwerp n loopbaan in ontwerp alle mensgemaakte objekte kan geklassifiseer word

ingenieursgrafika en ontwerp engineering graphics vraestel - Oct 25 2021

ingenieurs grafika en ontwerp graad 10 pat 2021 - Mar 10 2023

web ingenieursgrafika en ontwerp onderwysersgids vir graad 10 worldcat org ingenieursgrafika en ontwerp onderwysersgids vir graad 10 author johan

ingenieursgrafika en ontwerp leerderboek vir graad 10 kabv - Dec 27 2021

web ingenieursgrafika en ontwerp graad 10 12 kurrikulum en assesseringsbeleidsverklaring kabv departement van basiese

ingenieursgrafika en ontwerp pnhs - Aug 03 2022

web ingenieursgrafika en ontwerp antwoorde skaal 1 1 graad 10 nkabv skrywers jacques van leeuwen daniel du plooy

uitgewers allcopy publishers posbus 963

textbooks hsecc co za - Jun 01 2022

web graad 10 ingenieursgrafika en ontwerp leermateriaal 2023 jaarlikse intekening pakket r 599

g raad 10 ontwerp kwartaal 2 slideshare - Nov 06 2022

web ingenieursgrafika en ontwerp bied die fundamentele kennis en vaardighede vir die volgende beroepsmoontlikhede
argitektuur ingenieurswese siviël meganiese elektries

gr 10 igoegd werkboekworkbook by impaq issuu - Jun 13 2023

web ingenieursgrafika en ontwerp graad 10 11 12 implementering Januarie 2021 aanbiedingskets 2021 inhoudsoorsig vir die
fase 2021 igo jaarplan jp yp

2020 hersiene kurrikulum en assesserings planne - Jul 02 2022

web blaai om asseblief ingenieursgrafika en ontwerp igo inhoud en konsepte vir die November 2009 en Maart 2010 graad 12
nss eksamen en die

summary ontwerp graad 10 opsomming ontwerp stuvia sa - Oct 05 2022

web opsomming wysigings aan die inhoudsoorsig vir die fase ingenieursgrafika en ontwerp graad 10 graad 11 graad 12
perspektief tekeninge wysiging aan

graad 10 s vakkeuses 2021 ingenieursgrafika en ontwerp - Sep 04 2022

web the grade 10 to grade 12 textbooks comply with the curriculum assessment policy statement caps hse also has a
textbook for the senior secondary phase the book

ingenieursgrafika en ontwerp - Mar 30 2022

web ingenieursgrafika en ontwerp leerderboek vir graad 10 kabv isbn 978 1 920581 03 9 hse

kurrikulum en assesseringsbeleidsverklaring national - Jul 14 2023

web Jan 27 2015 ontwerp graad 10 12 6 kurrikulum en assesseringsbeleidsverklaring kabv 1 4 tydstoekenning 1 4 1